

# 2022 ANNUAL HYDROLOGIC REPORT



BOWIE RESOURCES, LLC  
BOWIE NO. 2 MINE  
P.O. BOX 483  
PAONIA, COLORADO 81428  
PERMIT C-1996-083

PREPARED BY:



**2022Annual Hydrology Report**

**Bowie Resources, LLC**

**Bowie No. 2 Mine**

**Permit Number C-1996-083**

**Paonia, Colorado**

## Introduction

The Bowie No. 2 Mine was built and opened by Bowie Resources during the spring and summer months of 1997 with coal production/development beginning on August 15, 1997. This room and pillar operation began developing a main and submain system of underground entries to provide the ventilation, haulage and coal conveyor support for years to come. These entries are driven carefully on projections, held to minimum widths with larger than normal coal pillars left in place to assure adequate support for the life of the mine. The mine began longwall production during November 1999.

The following 2022 Annual Hydrology Report describes the hydrologic monitoring for surface and ground water within the permit and adjacent area of the Bowie No. 2 Mine and presents baseline data for the natural mine plan progression.

In this report, springs, ponds and streams (including ditches, rivers, and canals) are considered surface water. Alluvial wells and drill holes are sampled and analyzed as ground water. Please refer to the permit application for a discussion of the methods employed during the gathering of field parameters. Permit Map-09 (attached as an exhibit in this report) indicates the location of all monitoring points referred to in this report.

At the request of the Division, we have included baseline data for all Springs, Streams, Drill Holes and Alluvial Wells on the annual tabulation figures. Previously, parameters not tested and tested but found below the Method Detection Limit (MDL) were left blank. Blank cells represent a "not tested" condition, while a "<MDL" notation is made for the condition where a parameter falls below the Method Detection Limit. Additional requests from the Division during the approval process for PR-04 have added other improvements to the tables, including minimum/maximum/average values for the baseline period and minimum/maximum/average values for the operational influenced period of the monitoring point.

Table 1 (immediately following this narrative) defines the monitoring points by type and sample frequency, field parameter sampling schedule and laboratory parameter sampling schedule.

Table 2 contains a listing of the laboratory parameters for surface and ground water to be tested in accordance with the mining permit application. Laboratory analysis are performed by ACZ Laboratories, INC., 2773 Downhill Dr, Steamboat Springs, CO 80407 and Enviro-Chem Analytical, Inc., 685 West Gunnison Avenue, Grand Junction, CO.

Table 3 contains a listing of the field parameters and their application to the Springs, Streams, Drill Holes and Ponds within the permit boundary. Flow readings for springs and small streams are reported in gallons per minute. Stream and river flows are reported in cubic feet per second.

Table 4 contains local precipitation data for the year. This data is available from the internet at [www.wrcc.dri.edu/summary/Climsmco.html](http://www.wrcc.dri.edu/summary/Climsmco.html) select Paonia 1 SW (056306). The average precipitation for the period of record (1893 through 2016) is 15.39 inches. Precipitation during 2016 totaled 11.61 inches which is below average. Data recorded at the Bowie no. 2 mine site through December 31, 2022 is 12.16 inches. That number does not necessarily reflect the total snowfall received at the mine, overall the precipitation was above average when snowfall is taken into account.

Table 5 contains a listing of all monitoring points, with descriptions of their locations and a reference to the Monitoring Point Figure that contains this year's monitoring data. The included charts are given a figure number. During 2015 and 2016, approval of Technical Revision Nos. 103 and 107 eliminated, or temporarily suspended forty-seven (47) monitoring points. Table 5 hi-lights the changes to the monitoring program.

Monitoring point figures follow this introduction. Each Monitoring Point has an individual table which tabulates the annual data collection and reports Minimum, Maximum, Average and Baseline data. A reference in each footnote explains the period used for baseline data.

Flow data for the North Fork of the Gunnison River is obtained from the USGS from a website <http://nwis-colo.cr.usgs.gov/historic.html>. This flow reading is obtained telemetrically from a station near Somerset, CO and is reflective of upper river flows only. This monitoring point is identified by the USGS as 09132500.

Flow data for the Fire Mountain Canal is obtained from Mr. Trey Dennison, member of the Fire Mountain Canal and Reservoir Company, whose phone number is (970) 527-5166 or cell (970) 589-2857. This flow is representative of the upper and lower flows.

Monitoring point identifiers near the mine portals are historic and follow no specific naming convention. Monitoring points located in other areas typically follow a convention where the first letter(s) designates a water source type, such as "S" for Spring or "SP" for Spring and Pond. The numeral(s) following the first letter designate what Section the water source is located, for instance, SP34-2 would be a spring and pond in Section 34. The numeral separated with a dash indicates an index number for that point. SP34-2 would be the second monitoring point found in Section 34.

### **CDPS Monitoring Points**

DMRs are submitted monthly to the Colorado Department of Public Health and Environment with copies to the Division of Reclamation, Mining and Safety and are included herein by reference.

### **North Fork Alluvium Monitoring Wells**

Alluvial monitoring wells AW-1 through AW-6 are located near the mine entrance along the north side of Bowie Road. These wells are monitored quarterly for field parameters and semi-annually for full suite laboratory parameters during the second and fourth quarters in accordance with the permit application. Alluvial monitoring wells AW-7 through AW-9 are located near the mine entrance along the south side of Bowie Road. AW-10 cannot be reliably sampled due to a collapse of the casing, and was eliminated from the monitoring plan. These wells were installed as a requirement of PR-03 which allowed the mine operator to relocate Sediment Pond B to the south side of the highway. Alluvial Wells 11 through 13 were installed during the fall of 2000 to monitor the alluvium in the area where the new coal loadout (PR-06) was constructed. Alluvial well 13 was eliminated by the construction of the unit train loadout. Alluvial well 14 was installed during 2003 west of Pond K. Alluvial wells 15 through 17 were installed during the fourth quarter of 2003 and are located north of Bowie Road below coal mine waste disposal area #2.

The 2022 sampling season provides results consistent with baseline information provided in the permit application, showing no adverse impact to groundwater during the construction of the mine, however 2022 was relatively dry through the summer and beginning of summer, so laboratory samples were not obtained for many well sites. There has not been any significant degradation of alluvial wells 11 and 12 which are located below gob pile #3. Alluvial well 6 continued have high conductivity values this year, and the values have been trending higher. Alluvial well 3's conductivity values are also trending higher. The well is located below the coal stockpile pad, which has not held a significant amount of coal for the last two years. However, looking at the chart associated with AW-3, since November 1996 it too has been trending higher.

### **Surface Water Monitoring Stations: PONDS**

Ponds were sampled for water quality when discharging or inflows/outflows were occurring. Ponds are typically spring-fed or seep-fed and exhibit diffuse non-concentrated areas of inflow. Often the pond outlets present the only point of concentrated flow at which flow measurements and field parameters can be obtained. Where possible, quality measurements are obtained at the pond inlet. Stagnant water

in ponds is not sampled since water quality results would show the effects of evaporation and stock use and could not be used to evaluate potential mine affects. Ponds are monitored quarterly. The following information is collected for the ponds; 1) inflow; 2) outflow; and 3) water level below spillway outlet or depth of water in pond measured from the bottom of the pond. Field data collected during the 2022 sampling season is consistent with baseline information provided in the permit application.

#### **Surface Water Monitoring Stations: SPRINGS**

Forty-nine springs and springs with ponds were monitored during the 2022 monitoring season in accordance with the Hydrologic Monitoring Plan. This plan indicates that identified springs will be inspected quarterly for field parameters with full suite laboratory parameters required on springs with flows greater than five (5) gallons per minute. During the construction phase of the mine, four (4) springs (S-6, S-7, S-9 and S-15) were eliminated by road and portal bench construction activities. The 2022 field and laboratory analysis are consistent with baseline data provided in the permit application. There has been a trend in many of the springs that shows the conductivity increases as the flow decreases. This trend is most likely caused by the increased time the water is in contact with the alluvium because of the lower flows.

#### **Surface Water Monitoring Stations: STREAMS AND DITCHES**

Twenty-three surface water monitoring stations including the North Fork of the Gunnison, Terror Creek, Hubbard Creek, Freeman Gulch, the Deer Trail Ditch, Stephens Draw, and the Fire Mountain Canal are monitored quarterly for field parameters and semi-annually for full suite analysis. The results of the 2022 field and laboratory studies are consistent with baseline information supplied in the permit application.

The USGS, with right of way permission from the USDA-Forest Service, installed continuous monitoring stations on both Hubbard and Terror Creeks. Similar stations are installed near each creek's confluence with the North Fork of the Gunnison River. These stations have been calibrated by the USGS's hydrology department and now provide accurate readings for the Annual Hydrology Reports. The USGS did not collect flow data for their station during 2022. Flow data for the creeks were determined by Bowie Resources, LLC during 2022.

#### **Surface Water Monitoring Stations: SMALL AREA EXEMPTIONS**

The locations of the small area exemptions are presented on Map 20. The Applicant will monitor the flow from the small area exemptions to assure compliance with 4.05.2(3). The Applicant will use its best efforts to obtain samples. The samples will be analyzed for pH, conductivity and total settleable solids. Samples will be in compliance

if they contain settleable solid levels of 0.5 ml/l or less and the pH is greater than 6.5 and less than 9.0. No small area exemption sampling was performed during the year.

### **Coal Member of Mesaverde**

Eleven bedrock wells were monitored during the 2022 sampling season. These holes were monitored quarterly for field parameters and semi-annually for full suite laboratory analysis. Data collected and evaluated is consistent with the baseline information provided in the permit application except for DH-39 which is adjacent to the repaired DH-15. DH-39 had slightly higher than average conductivity for the one quarter it was monitored, but not as high as in 2022. The trend in increased conductivity began after DH-15 was sealed and replaced with DH-15A, see description in the following paragraph. The mine construction work during 1997 required the elimination of four monitored drill holes. These holes are DH 42, DH 52, DH 54 and DH 55 and were located near the mine portals. Drill Holes DH-13 and DH-34b were eliminated by mining. Drill hole DH-34c was damaged by ground movement. DH-16 is blocked at 60-feet so no monitoring can be performed. Drill Holes DH-57, 57a and DH-58, 58a were added in conjunction with the Terror Creek Coal Exploration Plan, with monitoring beginning in the fall of 1999. Drill holes DH-57 and DH57a were destroyed by longwall mining during 2001. DH-58 and 58a were eliminated by mining during late 2003 so they are no longer monitored.

D-Seam monitoring wells DH-15, DH-25 and DH-38 can no longer be monitored since all three have damaged well casings. During 2016, DH-15 was sealed and replaced by new D-Seam monitoring well DH-15A. The new well is located near the old monitoring well. Monitoring of DH-15A began the fourth quarter of 2016. Conductivity was once again high at DH15A during the 2Q both in the field and laboratory data, but not significantly higher than in 2022. TDS, sulfate, dissolved Calcium and Nitrogen/Ammonia were slightly high although not significantly higher than in 2022. It is unknown why these data points are high but will be monitored in next years' report to determine if there is a trend. It may be that these values are the new normal based on drilling and installing DH-15A.

Drill holes DH-65, DH-66, DH-67D, DH-67blw and DH-67abv were added in conjunction with the Iron Point Federal coal lease, with some monitoring beginning during the fall of 2000. DH-67D was damaged during 2003 so no monitoring was performed. The DH-67 holes were refurbished during 2004. DH-66 was eliminated by mining during early 2004 so it is no longer monitored. DH-67blw had a pinched casing so a new DH-67blw was drilled during 2014. The Operator was able to obtain a sample from DH 67B this year during the second quarter. The site was not accessible during the 1Q.

Drill holes DD-NM4X98-27, 28 and 29 were in-mine monitoring holes which were added

to the monitoring program during 2003. The three monitoring points were abandoned when the mine activity retreated from the east mains in mid 2004. TC-03-01, 02 and 03 were added to the monitoring program during 2003. TC-03-03 was sealed in 2010 because a ventilation shaft was constructed where TC-03-03 was located. Monitoring wells TC-03-01 and TC-03-02 could not be rehabilitated during 2014. The wells could be used as water level piezometers but the wells are not functional for water quality data. Monitoring results for these well is of questionable value.

Drill holes CWI-DH-58 and CWI-DH-60 were added to the monitoring program in 2011 with the approval of permit revision 12 to cover the area west of Terror Creek. Monitoring well CWI-DH-60 was cleaned and rehabilitated between August 20 and August 23, 2014. On August 22, 2014, the well was evacuated using the airlift and bailing techniques and the water quality showed a pH of 7.70 s.u., conductivity of 863  $\mu\text{S}/\text{cm}$ , and temperature of 20.5° C. After a 12 hour recovery period, the SWL was measured at 892.0 feet btoc (August 23, 2014).

A new well CWI-DH-58a was drilled to replace CWI-DH-58 late in 2014. The Applicant drilled DH-2010-1SS and DH-2010-1B during 2011. DH-2010-1B is completed in the B-Seam and DH-2010-1SS is completed in a water bearing zone above the B-Seam. Drill hole 2010-1B was refurbished during 2014. After the 2014 well rehabilitation work, 2010-1B had the following water quality: pH 9.75 su, conductivity 277 umhos/cm, total iron 4.31 mg/l, manganese 0.0621 mg/l.

## **Conclusion**

The results of the hydrologic monitoring conducted during the 2022 season indicate consistent chemical and physical properties when compared with the baseline values provided in the permit application. Longwall mining is the focus of all mining operations at Bowie No. 2 Mine. Longwall mining ceased February 26, 2016 so there was no mining during the calendar year. Prior mining has not affected the local hydrology during the current year. Water quality at all monitored sites remains good overall and no chemical or physical impacts have been noted. Except as noted above, none of the field or laboratory parameter results indicate an adverse impact associated with the mining operations of the Bowie No. 2 Mine on the local hydrology.

Many sites require four quarters of sampling for field parameters (Terror Creek Drainage system, Dove Gulch, nearly all of the Ponds, many of the S-Series Springs, etc.). However, due to drought conditions and or/snow during the winter months, many sites did not have water available to obtain samples for field or laboratory parameters. In those cases, if there were field parameters obtained and no laboratory data listed, it



means there was not enough water to obtain a sample to send to the lab.

### Summary of Hydrology Monitoring Stations

| Station Number                                | Station Name                   | Elevation (ft.) | Depth (ft.) | Frequency of Measurements |           | Report Frequency | Report Format |     | Comments                                          |
|-----------------------------------------------|--------------------------------|-----------------|-------------|---------------------------|-----------|------------------|---------------|-----|---------------------------------------------------|
|                                               |                                |                 |             | Field Par.                | Lab. Par. |                  | AHR           | DMR |                                                   |
| Surface Water Monitoring - SPRINGS WITH PONDS |                                |                 |             |                           |           |                  |               |     |                                                   |
| SP5-1                                         | Terror Creek-Spring/Pond 5-1   | 7400            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP6-4                                         | Terror Creek-Spring/Pond 6-4   | 8040            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| SP7-1                                         | Terror Creek-Spring/Pond 7-1   | 7780            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP7-5                                         | Stevens Gulch-Spring/Pond 7-5  | 8300            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP12-4                                        | Stevens Gulch-Spring/Pond12-4  | 8040            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | Permanently Suspended TR-103                      |
| SP16                                          | Terror Creek-Spring/Pond 16    | 7780            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| SP17                                          | Terror Creek-Spring/Pond 17    | 7520            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP18                                          | Terror Creek-Spring/Pond 18    | 7280            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP19                                          | Stevens Gulch-Spring/Pond 19   | 8240            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP20                                          | Terror Creek-Spring/Pond 20    | 7840            | 4           | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP22                                          | Terror Creek-Spring/Pond 22    | 7560            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP23                                          | Stevens Gulch-Spring/Pond 23   | 7480            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| SP34-11                                       | Sheep Corral-Spring/Pond 34-11 | 7440            | 3           | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| ST36-2                                        | Flat Tanks                     | 8160            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| ST36-4                                        | Oak Hills Spring Lower Tank    | 8040            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| ST36-5                                        | Oak Hiles Spring Upper Tank    | 8240            |             | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| Surface Water Monitoring - SPRINGS            |                                |                 |             |                           |           |                  |               |     |                                                   |
| S-1                                           | B Gulch-Spring 1               | 6990            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-2                                           | Freeman Gulch-Spring 2         | 7920            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-3                                           | Freeman Gulch-Spring 3         | 7920            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-4                                           | Terror Creek-Spring 4          | 7880            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-4a                                          | Terror Creek-Spring 4a         | 7910            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-5                                           | Sheep Corral-Spring 5          | 7800            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-5a                                          | Sheep Corral-Spring 5a         | 7860            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-5b                                          | Sheep Corral-Spring 5b         | 7860            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-8                                           | C Gulch-Spring 8               | 7220            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-10                                          | Steven's Draw-Spring 10        | 7550            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-11                                          | Steven's Draw-Spring 11        | 7940            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-12                                          | B Gulch-Spring 12              | 7650            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-13                                          | Freeman Gulch-Spring 13        | 7500            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-14                                          | Steven's Draw-Spring 14        | 7100            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-16                                          | Terror Creek-Spring 16         | 7750            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-17                                          | Freeman Gulch-Spring 17        | 7110            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S-18                                          | Terror Creek-Spring 18         | 7750            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |

**Summary of Hydrology Monitoring Stations (Continued)**

| Station Number                                      | Station Name                     | Elevation (ft.) | Depth (ft.) | Frequency of Measurements |           | Report Frequency | Report Format |     | Comments                                          |
|-----------------------------------------------------|----------------------------------|-----------------|-------------|---------------------------|-----------|------------------|---------------|-----|---------------------------------------------------|
|                                                     |                                  |                 |             | Field Par.                | Lab. Par. |                  | AHR           | DMR |                                                   |
| Surface Water Monitoring Stations - SPRINGS (cont.) |                                  |                 |             |                           |           |                  |               |     |                                                   |
| S1-3                                                | Terror Creek-Spring 1-3          | 7860            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| S1-5                                                | Terror Creek-Spring 1-5          | 8020            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| S2-2                                                | Hubbard Creek-Spring 2-2         | 6740            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S2-3                                                | Hubbard Creek-Spring 2-3         | 6740            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S2-9                                                | Hubbard Creek-Spring 2-9         | 6320            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S2-10                                               | Hubbard Creek-Spring 2-10        | 6320            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S3-1                                                | Sheep Corral-Spring 3-1          | 6840            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S5-2                                                | Seep West of Terror Creek Road   | 7200            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S5-3                                                | Red's Spring & Pipeline          | 7200            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S5-4                                                | Hugh's Family Pipe & Spring      | 7320            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S6-1                                                | Terror Creek-Spring 6-1          | 7720            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| S6-6                                                | Terror Creek-Spring 6-6          | 7860            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S6-7                                                | West Fork Terror Ck Concrete Box | 7600            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S7-4                                                | Stevens Gulch-Spring 7-4         | 8190            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S7-9                                                | Terror Creek-Spring 7-9          | 7800            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S7-10                                               | Terror Creek-Spring 7-10         | 7880            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S8-5                                                | Terror Creek-Spring 8-5          | 7800            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S21                                                 | Terror Creek-Spring 21           | 7100            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S33-4                                               | Sheep Corral-Spring 33-4         | 7790            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-7                                               | Sheep Corral-Spring 34-7         | 7390            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-10                                              | Dove Gulch-Spring 34-10          | 6640            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-19                                              | Hubbard Creek-Spring 34-19       | 6460            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-20                                              | Hubbard Creek-Spring 34-20       | 6440            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-21                                              | Hubbard Creek-Spring 34-21       | 6430            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-22                                              | Hubbard Creek-Spring 34-22       | 6700            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-23                                              | Hubbard Creek-Spring 34-23       | 6650            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-24                                              | Hubbard Creek-Spring 34-24       | 6390            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S34-25                                              | Dove Gulch-Spring 34-25          | 6680            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | No winter monitoring - Lab analysis >5gpm, List 1 |
| S36-7                                               | Seeps 11 Below Stevens Gulch Rd  | 8120            | N/A         | Quarterly                 | Quarterly | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |

### Summary of Hydrology Monitoring Stations (Continued)

| Station Number                                          | Station Name                     | Elevation (ft.) | Depth (ft.) | Frequency of Measurements |               | Report Frequency | Report Format |     | Comments                                           |
|---------------------------------------------------------|----------------------------------|-----------------|-------------|---------------------------|---------------|------------------|---------------|-----|----------------------------------------------------|
|                                                         |                                  |                 |             | Field Par.                | Lab. Par.     |                  | AHR           | DMR |                                                    |
| Surface Water Monitoring Stations - STREAMS AND DITCHES |                                  |                 |             |                           |               |                  |               |     |                                                    |
| A-Gulch-lo                                              | Drainage System                  | 5960            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| B-Gulch-lo                                              | Drainage System                  | 5960            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| B-Gulch-up                                              | Drainage System                  | 7080            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| C-Gulch-lo                                              | Drainage System                  | 5960            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| C-Gulch-up                                              | Drainage System                  | 7120            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| D2-1                                                    | Sheep Corral-Drainage System     | 6360            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| D21-1                                                   | Terror Creek-Confluence w/NFG    | 5760            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monit-2nd & 4th Qrt, List 1-Flow USGS    |
| D32-4                                                   | Terror Creek-Drainage System     | 7480            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monit-2nd & 4th Qrt, List 1-Flow USGS    |
| D33-14                                                  | Upper Sheep Corral Gulch         | 7320            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| D34-13                                                  | Dove Gulch-Drainage System       | 6440            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| D34-14                                                  | Hubbard Creek-Drainage System    | 6560            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monit-2nd & 4th Qrt, List 1-Flow USGS    |
| Deer-low                                                | Canal-Deer Trail Ditch           | 5920            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monit-2nd & 4th Qrt, List 1-Aug, List 2  |
| Deer-up                                                 | Canal-Deer Trail Ditch           | 5960            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monit-2nd & 4th Qrt, List 1-Aug, List 2  |
| D-Gulch-lo                                              | Drainage System                  | 5960            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| D-Gulch-up                                              | Drainage System                  | 7160            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| FMC-Low                                                 | Canal-Fire Mountain Canal        | 5920            | N/A         | May/Jul/Sep               | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 1st & 3rd Qrt, List 1       |
| FMC-up                                                  | Canal-Fire Mountain Canal        | 5960            | N/A         | May/Jul/Sep               | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 1st & 3rd Qrt, List 1       |
| Free-low                                                | Freeman Gulch-Drainage System    | 7560            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| Free-up                                                 | Freeman Gulch-Drainage System    | 6360            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| Hub-low                                                 | Hubbard Creek-Drainage System    | 5880            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monit-2nd & 4th Qrt, List 1-Flow USGS    |
| Hub-up                                                  | Hubbard Creek-Drainage System    | 6320            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                       |
| NFG-low                                                 | North Fork-Drainage System       | 5680            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | 2nd & 4th Qrt, List 1 - August, List 2 - Flow USGS |
| NFG-up                                                  | North Fork-Drainage System       | 5880            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | 2nd & 4th Qrt, List 1 - August, List 2 - Flow USGS |
| Steph-low                                               | Steven's Draw-Drainage System    | 7000            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| Steph-up                                                | Steven's Draw-Drainage System    | 7920            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-01                                                   | West Fork Terror Ck-Downstream   | 7140            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-02                                                   | Terror Creek-Mid Stream          | 7040            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-04                                                   | West Terror Creek Trib -Upstream | 7880            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-05                                                   | Stevens Gulch-Downstream         | 6600            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-10                                                   | Terror Ditch                     | 6480            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-11                                                   | Stevens Gulch-Upstream           | 8084            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| SW-12                                                   | West Fork Terror Ck-Upstream     | 7920            | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| EF-1                                                    | West Fork Ephemeral Channels     | Varies          | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |
| EF-2 thru 9                                             | West Fork Ephemeral Channels     | Varies          | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Temporarily Suspended TR-103                       |
| EF-7 thru 9                                             | West Fork Ephemeral Channels     | Varies          | N/A         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring - 2nd & 4th Qrt, List 1       |

### Summary of Hydrology Monitoring Stations (Continued)

| Station Number                       | Station Name                         | Elevation (ft.) | Depth (ft.) | Frequency of Measurements |               | Report Frequency | Report Format |     | Comments                                         |
|--------------------------------------|--------------------------------------|-----------------|-------------|---------------------------|---------------|------------------|---------------|-----|--------------------------------------------------|
|                                      |                                      |                 |             | Field Par.                | Lab. Par.     |                  | AHR           | DMR |                                                  |
| Coal Member of Mesaverde             |                                      |                 |             |                           |               |                  |               |     |                                                  |
| DH-15                                | Steven's Draw-Drill Hole             | 7143            | 218         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                     |
| DH-25                                | C Gulch-Drill Hole                   | 7144            | 325         | Quarterly                 | N/A           | Annually         | Yes           | No  | Permanently Suspended TR-103                     |
| DH-38                                | D Gulch-Drill Hole                   | 7245            | 454         | Quarterly                 | N/A           | Annually         | Yes           | No  | Permanently Suspended TR-103                     |
| DH-15a                               | Steven's Draw-Drill Hole             | 7143            | 218         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                     |
| DH-39                                | Steven's Draw-Drill Hole             | 7143            | 181         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH-49                                | B Gulch-Drill Hole                   | 7203            | 324         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH-67B                               | Hubbard Creek-Monitoring Well        | 6451            | 594         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH-67D                               | Hubbard Creek-Monitoring Well        | 6450            | 325         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH-67abv                             | Hubbard Creek-Monitoring Well        | 6451            | 193         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH-67blw                             | Hubbard Creek-Monitoring Well        | 6451            | 360         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| TC-03-01(B)                          | Terror Creek - Monitoring Well-Upper | 7118            | 713         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                     |
| TC-03-02                             | Terror Creek - Monitoring Well       | 7095            | 586         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Permanently Suspended TR-103                     |
| CWI-DH-58A                           | Upper B Seam                         | 7442            | 575         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| CWI-DH-60                            | Upper B Seam (B1)                    | 7921            | 1085        | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH2010-1B                            | Above Upper B Seam - Deep            | 7545            | 1220        | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| DH2010-1SS                           | Upper B Seam - Shallow               | 7545            | 1140        | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | No winter monitoring-Lab analysis 2nd & 4th Qrts |
| North Fork Alluvium Monitoring Wells |                                      |                 |             |                           |               |                  |               |     |                                                  |
| AW-1                                 | Alluvial Well                        | 5978            | 120         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Lab anlaysis 2nd & 4th Qrts                      |
| AW-2                                 | Alluvial Well                        | 5967            | 50.4        | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Lab anlaysis 2nd & 4th Qrts                      |
| AW-3                                 | Alluvial Well                        | 5963            | 150         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Lab anlaysis 2nd & 4th Qrts                      |
| AW-4                                 | Alluvial Well                        | 5978            | 60          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Lab anlaysis 2nd & 4th Qrts                      |
| AW-5                                 | Alluvial Well                        | 5982            | 100         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Lab anlaysis 2nd & 4th Qrts                      |
| AW-6                                 | Alluvial Well                        | 5981            | 112         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Lab anlaysis 2nd & 4th Qrts                      |
| AW-7                                 | Alluvial Well                        | 5950            | 188         | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Fall of 1999 - Lab 2nd & 4th Qrts      |
| AW-8                                 | Alluvial Well                        | 5950            | 60          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Fall of 1999 - Lab 2nd & 4th Qrts      |
| AW-9                                 | Alluvial Well                        | 5946            | 80          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Fall of 1999 - Lab 2nd & 4th Qrts      |
| AW-11                                | Alluvial Well                        | 5884            | 60.86       | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Fall of 2000 - Lab 2nd & 4th Qrts      |
| AW-12                                | Alluvial Well                        | 5878            | 45.38       | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Fall of 2000 - Lab 2nd & 4th Qrts      |
| AW-14                                | Alluvial Well                        | 5822            | 30          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Summer of 2003 - Lab 2nd & 4th Qrts    |
| AW-15                                | Alluvial Well                        | 5973            | 86          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Winter of 2003 - Lab 2nd & 4th Qrts    |
| AW-16                                | Alluvial Well                        | 5965            | 75          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Winter of 2003 - Lab 2nd & 4th Qrts    |
| AW-17                                | Alluvial Well                        | 5951            | 62          | Quarterly                 | Semi-Annually | Annually         | Yes           | No  | Installed Winter of 2003 - Lab 2nd & 4th Qrts    |

Summary of Hydrology Monitoring Stations (Continued)

| Station Number                            | Station Name                     | Elevation (ft.) | Depth (ft.) | Frequency of Measurements |           | Report Frequency | Report Format |     | Comments                                          |
|-------------------------------------------|----------------------------------|-----------------|-------------|---------------------------|-----------|------------------|---------------|-----|---------------------------------------------------|
|                                           |                                  |                 |             | Field Par.                | Lab. Par. |                  | AHR           | DMR |                                                   |
| Surface Water Monitoring Stations - PONDS |                                  |                 |             |                           |           |                  |               |     |                                                   |
| P-1                                       | Steven's Draw-Pond 1             | 7080            | 5           | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P-2                                       | Freeman Gulch-Pond 2             | 7600            | 5           | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P-3                                       | Terror Creek-Pond 3              | 7730            | 4.5         | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P-4                                       | Terror Creek-Pond 4              | 7880            | 3.5         | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P-5                                       | Sheep Corral-Pond 5              | 7800            | 8           | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P-6                                       | Terror Creek-Pond 6              | 7880            | 3           | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P1-4                                      | W Fork Terror Creek-Pond 1-4     | 7960            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P1-6                                      | W Fork Terror Creek-Pond 1-6     | 7980            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P1-11                                     | W Fork Terror Creek-Pond 1-11    | 8000            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P1-12                                     | W Fork Terror Creek-Pond 1-12    | 7860            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P5-5                                      | Hugh's Pipe & Pond               | 7320            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P6-2                                      | W Fork Terror Creek-Pond 6-2     | 8000            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P6-5                                      | W Fork Terror Creek-Pond 6-5     | 8020            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P7-2                                      | Stevens Gulch-Pond 7-2           | 8190            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P7-7                                      | Stevens Gulch-Pond 7-7           | 8380            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P7-11                                     | Stevens Gulch-Pond 7-11          | 8400            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P8-4                                      | Terror Creek-Pond 8-4            | 6980            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P12-1                                     | Stevens Gulch-Pond 12-1          | 7950            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P12-2                                     | Stevens Gulch-Pond 12-2          | 8030            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P12-9                                     | Stevens Gulch-Pond 12-9          | 7800            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Permanently Suspended TR-103                      |
| P12-10                                    | Stevens Gulch-Pond 12-10         | 7820            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P12-11                                    | Stevens Gulch-Pond 12-11         | 7800            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Permanently Suspended TR-103                      |
| P17-1                                     | Coal Gulch-Pond 17-1             | 7340            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P18-1                                     | Coal Gulch-Pond 18-1             | 7760            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P18-4                                     | Stevens Gulch-Pond 18-4          | 8350            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P81                                       | Stevens Gulch-Pond 81            | 8640            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P82                                       | Terror Creek-Pond 82             | 7580            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P83                                       | Coal Gulch-Pond 83               | 7820            | 2.5         | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P33-3                                     | Sheep Corral-Pond 33-3           | 7760            | 5.5         | Quarterly                 | N/A       | Annually         | Yes           | No  | No winter monitoring-Reprt Inflow, Outflow, Depth |
| P31-1                                     | Dry Pond Below Stevens Gulch Rd  | 8120            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P36-1                                     | Flat Pond Above Stevens Gulch Rd | 8120            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P36-3                                     | Meadow Pond                      | 8140            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |
| P36-6                                     | Dry Pond 11                      | 8140            |             | Quarterly                 | N/A       | Annually         | Yes           | No  | Temporarily Suspended TR-103                      |

# LAB PARAMETER LIST

## SURFACE WATER LIST 1

| Field Parameters                                        |               |
|---------------------------------------------------------|---------------|
| Flow Rate (gpm)                                         |               |
| Water Level                                             |               |
| pH (Standard Units)                                     |               |
| Conductivity (umhos/cm)                                 |               |
| Temperature (C)                                         |               |
| *Dissolved Oxygen (mg/l)                                |               |
| Lab Parameters                                          |               |
| Wet Chemistry                                           | MDL           |
| Bicarbonate (HCO <sub>3</sub> ) (mg/l)                  | 2 mg/L        |
| Chloride (Cl <sup>-</sup> ) (mg/l)                      | 0.5 mg/L      |
| Conductivity (umhos/cm)                                 | 1 umhos/cm    |
| Nitrate/Nitrite (mg/l)                                  | 0.1 mg/L      |
| pH (Standard Units)                                     | 0.1 s.u.      |
| Hardness (mg/l)                                         | 1 mg/L        |
| Phosphate (PO <sub>4</sub> <sup>-3</sup> as P) (mg/l)   | 0.02 mg/L     |
| Residue, Filterable (TDS) @180 C (mg/l)                 | 0.5 mg/L      |
| Residue, NonFilterable (TSS) (mg/l)                     | 0.5 mg/L      |
| Sodium Absorption Ratio in Water                        | 0.15          |
| Sulfate (SO <sub>4</sub> <sup>-2</sup> ) (mg/l)         | 0.6 mg/L      |
| Metals                                                  |               |
| Aluminum (Al), total recoverable (mg/l)                 | 0.05 mg/L     |
| Arsenic (As), total recoverable (mg/l)                  | 0.002 mg/L    |
| Cadmium (Cd), total recoverable (mg/l)                  | 0.0002 mg/L   |
| Calcium (Ca <sup>+2</sup> ), total recoverable (mg/l)   | 0.2 mg/L      |
| Copper (Cu), total recoverable (mg/l)                   | 0.01 mg/L     |
| Iron (Fe), total recoverable & Diss (mg/l)              | 0.01 mg/L     |
| Lead (Pb), total recoverable (mg/l)                     | 0.02 mg/L     |
| Magnesium (Mg <sup>+2</sup> ), total recoverable (mg/l) | 0.2 mg/L      |
| Manganese (Mn), total recoverable (mg/l)                | 0.01 mg/L     |
| Mercury (Hg), total recoverable (mg/l)                  | 0.000025 mg/L |
| Molybdenum (Mo), total recoverable (mg/l)               | 0.02 mg/L     |
| Selenium (Se), total recoverable (mg/l)                 | 0.001 mg/L    |
| Sodium (Na <sup>+</sup> ), total recoverable (mg/l)     | 0.2 mg/L      |
| Zinc (Zn), total recoverable (mg/l)                     | 0.005 mg/L    |
| Organic Analysis                                        |               |
| Oil and Grease (mg/l)                                   | 0.5 mg/L      |
|                                                         |               |
|                                                         |               |
|                                                         |               |

## SURFACE WATER LIST 2

| Field Parameters                                |               |
|-------------------------------------------------|---------------|
| Flow Rate (gpm)                                 |               |
| Water Level                                     |               |
| pH (Standard Units)                             |               |
| Conductivity (umhos/cm)                         |               |
| Temperature (C)                                 |               |
| *Dissolved Oxygen (mg/l)                        |               |
| Lab Parameters                                  |               |
| Wet Chemistry                                   | MDL           |
| pH (Standard Units)                             | 0.1 s.u.      |
| Residue, Filterable (TDS) @180 C (mg/l)         | 0.5 mg/L      |
| Ammonia (NH <sub>3</sub> ) (mg/l)               | 0.1 mg/L      |
| Chloride (Cl) (mg/l)                            | 0.5 mg/L      |
| Cyanide (CN) (mg/l)                             | 0.2 mg/L      |
| Dissolved Oxygen (mg/l)                         | Report        |
| Hardness (mg/l)                                 | 1 mg/L        |
| Nitrate (NO <sub>3</sub> ) (mg/l)               | 0.1 mg/L      |
| Nitrite (NO <sub>2</sub> ) (mg/l)               | 0.01 mg/L     |
| Sulfide (S) (mg/l)                              | 0.2 mg/L      |
| Sulfate (SO <sub>4</sub> <sup>-2</sup> ) (mg/l) | 0.1 mg/L      |
| Metals                                          |               |
| Arsenic (As), total recoverable (ug/l)          | 0.002 mg/L    |
| Boron, total recoverabel (mg/l)                 | 0.1 mg/L      |
| Cadmium (Cd), total recoverable (ug/l)          | 0.0002 mg/L   |
| Chromium III CrIII (ug/l)                       | 0.01 mg/L     |
| Chromium VI CrIV (ug/l)                         | 0.02 mg/L     |
| Copper (Cu), total recoverable (ug/l)           | 0.01 mg/L     |
| Iron (Fe), dissolved (ug/l)                     | 0.005 mg/L    |
| Iron (Fe), total recoverable (ug/l)             | 0.001 mg/L    |
| Lead (Pb), total recoverable (ug/l)             | 0.01 mg/L     |
| Manganese (Mn), dissolved (ug/l)                | 0.01 mg/L     |
| Manganese (Mn), total recoverable (ug/l)        | 0.01 mg/L     |
| Mercury (Hg), total recoverable (ug/l)          | 0.000025 mg/L |
| Nickel, total recoverable (ug/l)                | 0.02 mg/L     |
| Selenium (Se), total recoverable (ug/l)         | 0.001 mg/L    |
| Silver (Ag), total recoverable (ug/l)           | 0.001 mg/L    |
| Zinc (Zn), total recoverable (ug/l)             | 0.005 mg/L    |
|                                                 |               |
|                                                 |               |
|                                                 |               |

## GROUND WATER

| Field Parameters                                      |               |
|-------------------------------------------------------|---------------|
| Water Elevation (Feet)                                |               |
| Depth to Water (Feet)                                 |               |
| pH (Standard Units)                                   |               |
| Conductivity (umhos/cm)                               |               |
| Temperature (C)                                       |               |
| Lab Parameters                                        |               |
| Wet Chemistry                                         | MDL           |
| Bicarbonate (HCO <sub>3</sub> ) (mg/l)                | 2 mg/L        |
| Carbonate (CO <sub>3</sub> ) (mg/l)                   | 2 mg/L        |
| Chloride (Cl <sup>-</sup> ) (mg/l)                    | 0.5 mg/L      |
| Conductivity (umhos/cm)                               | 1 umhos/cm    |
| Nitrate/Nitrite (mg/l)                                | 0.1 mg/L      |
| Ammonia (NH <sub>3</sub> ) (mg/l)                     | 0.1 mg/L      |
| pH (Lab Units)                                        | 0.1 mg/L      |
| Hardness (mg/l)                                       | 1 mg/L        |
| Phosphate (PO <sub>4</sub> <sup>-3</sup> as P) (mg/l) | 0.02 mg/L     |
| Residue, Filterable (TDS) @180 C (mg/l)               | 0.5 mg/L      |
| Sulfate (SO <sub>4</sub> <sup>-2</sup> ) (mg/l)       | 0.6 mg/L      |
| Metals                                                |               |
| Arsenic (As), dissolved (mg/l)                        | 0.002 mg/L    |
| Cadmium (Cd), dissolved (mg/l)                        | 0.0002 mg/L   |
| Calcium (Ca <sup>+2</sup> ), dissolved (mg/l)         | 0.2 mg/L      |
| Iron (Fe), dissolved (mg/l)                           | 0.01 mg/L     |
| Iron (Fe), total recoverable (mg/l)                   | 0.01 mg/L     |
| Magnesium (Mg <sup>+2</sup> ), dissolved (mg/l)       | 0.2 mg/L      |
| Manganese (Mn), dissolved (mg/l)                      | 0.01 mg/L     |
| Manganese (Mn), total recoverable (mg/l)              | 0.01 mg/L     |
| Mercury (Hg), dissolved (mg/l)                        | 0.000025 mg/L |
| Selenium (Se), dissolved (mg/l)                       | 0.001 mg/L    |
| Sodium (Na <sup>+</sup> ), dissolved (mg/l)           | 0.2 mg/L      |
| Zinc (Zn), dissolved (mg/l)                           | 0.005 mg/L    |
|                                                       |               |
|                                                       |               |
|                                                       |               |
|                                                       |               |
|                                                       |               |

Refer to Pages 2.05-134 and 2.05-135  
of Permit Application

Surface Water List 2 is applicable  
annually for North Fork Gunnison  
and Deer Trail Ditch only

NOTE: Springs are considered  
Surface Water

\*Dissolved Oxygen is reported for  
Deer Trail Ditch, Fire Mountain  
Canal and North Fork Gunnison

**FIELD PARAMETER LIST**

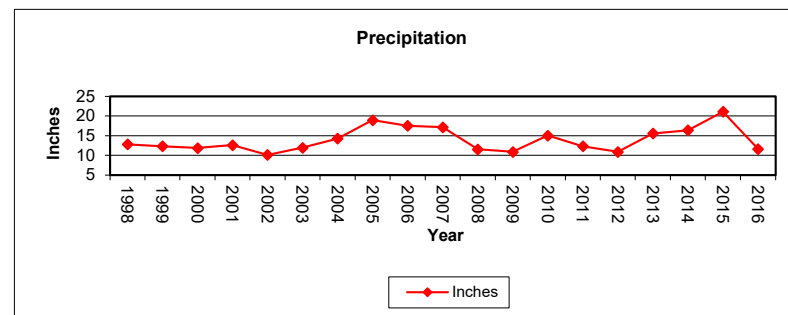
| <b>Parameter</b> | <b>Unit</b> | <b>Wells</b> | <b>Ponds</b> | <b>Streams</b> | <b>Springs</b> |
|------------------|-------------|--------------|--------------|----------------|----------------|
| Conductivity     | umhos/cm    | Yes          | Yes          | Yes            | Yes            |
| Flow Rate        | CFS/GPM     | No           | Yes          | Yes            | Yes            |
| pH               | Standard    | Yes          | Yes          | Yes            | Yes            |
| Temperature      | C           | Yes          | Yes          | Yes            | Yes            |
| Water Level      | Feet        | Yes          | Yes          | No             | No             |



## PRECIPITATION VALUES

### Monthly Precipitation Values

| Month     | 1998  | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| January   | 1.13  | 1.08  | 1.93  | 0.73  | 0.55  | 0.26  | 1.31  | 2.05  | 0.81  | 0.68  | 1.67  | 0.91  | 0.42  | 0.49  | 1.22  | 1.83  | 0.66  | 1.02  | 0.9   |
| February  | 0.83  | 0.38  | 1.27  | 1.06  | 0.11  | 1.35  | 1.46  | 1.38  | 0.28  | 0.92  | 1.1   | 1     | 1.66  | 0.87  | 1.41  | 0.89  | 2.16  | 1     | 0.85  |
| March     | 1.43  | 0.42  | 1.03  | 0.42  | 1.03  | 1.17  | 0.14  | 1.93  | 1.58  | 1.39  | 0.54  | 0.89  | 1.2   | 1.22  | 0.3   | 1.14  | 0.77  | 0.76  | 0.3   |
| April     | 1.43  | 2.54  | 0.42  | 0.57  | 0.61  | 0.49  | 3.3   | 1.37  | 0.83  | 1.2   | 0.77  | 1.09  | 0.51  | 1.68  | 0.62  | 1.3   | 1.31  | 1.75  | 1.21  |
| May       | 0.16  | 1.00  | 0.67  | 1.75  | 0.28  | 1.81  | 0     | 1.22  | 0.17  | 1.18  | 0.64  | 2.73  | 1.68  | 0.83  | 0.09  | 1.24  | 1.71  | 3.86  | 1.33  |
| June      | 0.47  | 0.94  | 0.86  | 0.39  | 0.04  | 0.48  | 0.34  | 1.64  | 0.5   | 0.99  | 0.67  | 0.63  | 0.55  | 0.32  | 0.05  | 0     | 0.21  | 1.05  | 0.51  |
| July      | 0.66  | 2.7   | 0.89  | 1.31  | 0.28  | 0.76  | 0.02  | 0.4   | 3.06  | 0.85  | 0.24  | 0.27  | 1.44  | 1.74  | 1.26  | 1.37  | 1.11  | 2.43  | 0.8   |
| August    | 1.18  | 1.42  | 1.27  | 2.35  | 0.66  | 0.46  | 0.48  | 1.71  | 0.87  | 1.16  | 2.07  | 0.33  | 2.09  | 0.46  | 2.35  | 0.78  | 2.13  | 1.96  | 1.81  |
| September | 0.75  | 1.16  | 1.27  | 0.34  | 2.43  | 1.93  | 2.85  | 2.84  | 2.32  | 3.2   | 0.62  | 0.32  | 1.15  | 1.2   | 0.92  | 3.28  | 2.96  | 1.2   | 1.07  |
| October   | 1.88  | 0.05  | 0.75  | 0.84  | 2.53  | 0.46  | 1.37  | 2.11  | 5.08  | 1.37  | 0.74  | 0.58  | 1.84  | 1.55  | 0.64  | 2.12  | 1.17  | 1.94  | 0.49  |
| November  | 1.87  | 0.07  | 0.73  | 1.85  | 0.9   | 1.74  | 1.72  | 0.84  | 1.39  | 0     | 0.91  | 0.77  | 0.58  | 0.96  | 0.61  | 0.91  | 0.65  | 1.48  | 0.16  |
| December  | 1.00  | 0.57  | 0.78  | 0.99  | 0.71  | 1.03  | 1.26  | 1.47  | 0.65  | 4.20  | 1.55  | 1.36  | 1.91  | 1.01  | 1.41  | 0.69  | 1.56  | 2.70  | 2.18  |
| Minimum   | 0.16  | 0.05  | 0.42  | 0.34  | 0.04  | 0.26  | 0.00  | 0.40  | 0.17  | 0.00  | 0.24  | 0.27  | 0.42  | 0.32  | 0.05  | 0.00  | 0.21  | 0.76  | 0.16  |
| Average   | 1.07  | 1.03  | 0.99  | 1.05  | 0.84  | 1.00  | 1.19  | 1.58  | 1.46  | 1.43  | 0.96  | 0.91  | 1.25  | 1.03  | 0.91  | 1.30  | 1.37  | 1.76  | 0.97  |
| Maximum   | 1.88  | 2.7   | 1.93  | 2.35  | 2.53  | 1.93  | 3.30  | 2.84  | 5.08  | 4.20  | 2.07  | 2.73  | 2.09  | 1.74  | 2.35  | 3.28  | 2.96  | 3.86  | 2.18  |
| Total     | 12.79 | 12.33 | 11.87 | 12.60 | 10.13 | 11.94 | 14.25 | 18.96 | 17.54 | 17.14 | 11.52 | 10.88 | 15.03 | 12.33 | 10.88 | 15.55 | 16.40 | 21.15 | 11.61 |



This data is obtained from the internet at [www.wrcc.dri.edu/summary/Climsmco.html](http://www.wrcc.dri.edu/summary/Climsmco.html) select Paonia 1 SW (056306).

\*\* No data recorded during the 2022 water year

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*Surface Water Monitoring Stations: SPRINGS*

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| EFH-9 | Ephemeral Channel in Spruce Stomp Lease | Monitoring Point Report Figure No. |    |                  |

*Coal Member of Mesaverde*

|                    |                                 |                                    |     |    |
|--------------------|---------------------------------|------------------------------------|-----|----|
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SP5-1  
Terror Creek - Pond Spring 5-1  
Elevation - 7400

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/18/1985  | 7/18/1985 | 7/18/1985 |
| Activated | 3/31/2015  | 3/31/2015 | 3/31/2015 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |         |         |                 |                 |                 |
|--------------------------|----------|----------|-------|-------|-----------|---------|---------|-----------------|-----------------|-----------------|
|                          |          | Min      | Ave   | Max   | Min       | Ave     | Max     |                 |                 |                 |
| Outflow                  | GPM      | 0.00     | 0.94  | 7.36  | 0.00      | 0.92    | 4.12    | 0.00            | Seep            | Seep            |
| Inflow                   | GPM      | 0.00     | 0.00  | 0.00  | 0.00      | 0.27    | 2.96    | 0.00            | 0.00            | 0.00            |
| Freeboard                | Feet     | 0.00     | 0.00  | 0.00  | 0.00      | 0.00    | 1.00    | 0.00            | 0.25            |                 |
| Temperature              | Celsius  | 4.1      | 12.8  | 23.2  | 3.80      | 10.95   | 20.10   | 8               |                 |                 |
| Conductivity             | umhos/cm | 490      | 672   | 804   | 697.00    | 793.85  | 842.00  | 842             |                 |                 |
| pH                       | su       | 7.3      | 8.2   | 9.0   | 7.62      | 8.14    | 8.55    | 8.31            |                 |                 |
| Field Comments           |          |          |       |       |           |         |         | No visible flow | No visible flow | No visible flow |
| Lab Parameters           | UNITS    |          |       |       |           |         |         |                 |                 |                 |
| Bicarbonate              | mg/L     | 256.0    | 383.5 | 441.6 | 453.00    | 467.50  | 482.00  |                 |                 |                 |
| Carbonate                | mg/L     | 16.0     | 16.0  | 16.0  | 0.00      | 0.00    | 0.00    |                 |                 |                 |
| Chloride                 | mg/L     | 2.0      | 6.4   | 10.0  | 3.90      | 4.27    | 4.50    |                 |                 |                 |
| Conductivity             | umhos/cm | 552.0    | 656.8 | 974.0 | 680.00    | 690.67  | 700.00  |                 |                 |                 |
| Hardness                 | mg/L     | 182.0    | 250.8 | 287.0 | 246.00    | 250.33  | 256.00  |                 |                 |                 |
| Acidity                  | mg/L     | 14.0     | 14.0  | 14.0  | -410.00   | -390.00 | -380.00 |                 |                 |                 |
| pH                       | su       | 6.4      | 7.9   | 8.7   | 7.58      | 7.84    | 8.05    |                 |                 |                 |
| ResidueFilterable-TDS    | mg/L     | 320.0    | 374.9 | 451.0 | 428.00    | 442.67  | 457.00  |                 |                 |                 |
| ResidueNonFilterable-TSS | mg/L     | 2.0      | 128.0 | 742.0 | 91.30     | 119.15  | 147.00  |                 |                 |                 |
| SAR                      |          | 1.2      | 1.7   | 2.5   | 2.31      | 2.42    | 2.52    |                 |                 |                 |
| Sulfate                  | mg/L     | 16.0     | 34.3  | 70.0  | 16.90     | 18.37   | 19.80   |                 |                 |                 |
| Calcium (Dissolved)      | mg/L     | 30.0     | 57.8  | 69.0  | 0.00      | 0.00    | 0.00    |                 |                 |                 |
| Magnesium (Total)        | mg/L     | 18.0     | 25.9  | 28.0  | 22.00     | 23.27   | 23.90   |                 |                 |                 |
| Sodium (Dissolved)       | mg/L     | 43.0     | 61.0  | 76.0  | 0.00      | 0.00    | 0.00    |                 |                 |                 |
| Iron (Total)             | mg/L     | 0.4      | 0.4   | 0.4   | 0.25      | 0.60    | 0.98    |                 |                 |                 |
| Iron (Dissolved)         | mg/L     | 0.1      | 0.1   | 0.1   | 0.01      | 0.03    | 0.05    |                 |                 |                 |
| Manganese (Total)        | mg/L     | 0.06     | 0.06  | 0.06  | 0.05      | 0.11    | 0.16    |                 |                 |                 |

The area of concern for monitoring point SP5-1 was affected by the mining operation on or about March 31, 2015.

Negative value of acidity indicates alkalinity

SP7-1  
Terror Creek - Pond Spring 7-1  
Depth 3'  
Elevation - 7780

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/25/1985  | 7/25/1985 | 7/25/1985 |
| Activated | 6/1/2013   | 6/1/2013  | 6/1/2013  |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |         | Operation |        |        |         |        |         |
|--------------------------|----------|----------|--------|---------|-----------|--------|--------|---------|--------|---------|
|                          |          | Min      | Ave    | Max     | Min       | Ave    | Max    |         |        |         |
| Outflow                  | GPM      | 0        | 3.35   | 30      | 0         | 2.90   | 16.91  | No flow | <5 GPM | No flow |
| Inflow                   | GPM      | 0        | 0.00   | 0       | 0         | 2.37   | 10.9   | Seep    | Seep   | No flow |
| Freeboard                | Feet     | 0        | 1.07   | 3       | 0         | 0.44   | 1.5    | 0.2     | 0.2    | 1       |
| Temperature              | Celsius  | 10.3     | 16.68  | 32      | 7.4       | 15.56  | 22.8   | 16.7    | 22.8   |         |
| Conductivity             | umhos/cm | 353      | 602.53 | 928     | 539       | 620.07 | 742    | 742     | 559    |         |
| pH                       | su       | 6.7      | 7.95   | 9.4     | 7.38      | 8.09   | 8.63   | 8.07    | 7.38   |         |
| Field Comments           |          |          |        |         |           |        |        |         |        |         |
| Lab Parameters           | UNITS    |          |        |         |           |        |        |         |        |         |
| Bicarbonate              | mg/L     | 226      | 382.24 | 603     | 253.28    | 318.57 | 368    |         |        |         |
| Chloride                 | mg/L     | 2        | 8.98   | 54.59   | 2.3       | 5.27   | 13.08  |         |        |         |
| Conductivity             | umhos/cm | 450      | 633.06 | 1120    | 475       | 523.00 | 585    |         |        |         |
| Hardness                 | mg/L     | 145      | 233.44 | 295     | 190.28    | 227.57 | 254    |         |        |         |
| Nitrate-Nitrite          | mg/L     | 0.3      | 0.30   | 0.3     | 0.031     | 0.03   | 0.031  |         |        |         |
| Oil and Grease           | mg/L     | 0        | <MDL   | 0       | 0         | <MDL   | 0      |         |        |         |
| pH                       | su       | 7        | 7.81   | 8.4     | 7.18      | 7.95   | 8.22   |         |        |         |
| Phosphate                | mg/L     | 0        | <MDL   | 0       | 0.073     | 0.09   | 0.11   |         |        |         |
| ResidueFilterable-TDS    | mg/L     | 280      | 404.33 | 808     | 348       | 366.50 | 382    |         |        |         |
| ResidueNonFilterable-TSS | mg/L     | 2        | 85.47  | 580     | 7         | 40.78  | 81.2   |         |        |         |
| SAR                      |          | 1.2      | 1.70   | 2.9     | 1.37      | 2.01   | 3.681  |         |        |         |
| Sulfate                  | mg/L     | 10       | 20.32  | 39      | 27.99     | 29.97  | 33.6   |         |        |         |
| Aluminum (TREC)          | mg/L     | 0.034    | 0.03   | 0.034   | 0.12      | 249.86 | 999    |         |        |         |
| Arsenic (TREC)           | mg/L     | 0.06     | 0.06   | 0.06    | 0.002     | 0.00   | 0.002  |         |        |         |
| Cadmium (TREC)           | mg/L     | 0.02     | 0.02   | 0.02    | 0.002     | 0.00   | 0.002  |         |        |         |
| Calcium (TREC)           | mg/L     | 33       | 50.86  | 70.6    | 41.9      | 52.93  | 58.8   |         |        |         |
| Copper (TREC)            | mg/L     | 0.003    | 0.00   | 0.003   | 0.009     | 0.01   | 0.009  |         |        |         |
| Iron (TREC)              | mg/L     | 1.24     | 1.24   | 1.24    | 0.157     | 0.48   | 1.19   |         |        |         |
| Lead (TREC)              | mg/L     | 0.02     | 0.02   | 0.02    | 0.02      | 0.02   | 0.02   |         |        |         |
| Magnesium (TREC)         | mg/L     | 13.9     | 25.89  | 37      | 20.8      | 23.15  | 26.1   |         |        |         |
| Manganese (TREC)         | mg/L     | 0.376    | 0.38   | 0.376   | 0.03      | 0.06   | 0.0904 |         |        |         |
| Mercury (TREC)           | mg/L     | 0.00003  | 0.00   | 0.00003 | 2E-05     | 0.00   | 2E-05  |         |        |         |
| Molybdenum (TREC)        | mg/L     | 0.007    | 0.01   | 0.007   | 0.001     | 0.00   | 0.001  |         |        |         |
| Selenium (TREC)          | mg/L     | 0.003    | 0.00   | 0.003   | 0.002     | 0.00   | 0.002  |         |        |         |
| Sodium (TREC)            | mg/L     | 78.1     | 78.10  | 78.1    | 45.2      | 67.73  | 116.7  |         |        |         |
| Zinc (TREC)              | mg/L     | 0.01     | 0.01   | 0.01    | 0.02      | 0.02   | 0.02   |         |        |         |

The area of concern for monitoring point SP7-1 was activated on or about 06/1/2013.

SP7-5  
Steven's Gulch - Pond Spring 7-5  
Elevation - 8300

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/6/1983   | 7/6/1983  | 7/6/1983  |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |         |         | Operation |     |     |         |         |       |
|--------------------------|----------|----------|---------|---------|-----------|-----|-----|---------|---------|-------|
|                          |          | Min      | Ave     | Max     | Min       | Ave | Max |         |         |       |
| Inflow                   | GPM      | 0.00     | 0.81    | 4.49    |           |     |     | No flow | No flow | 0.010 |
| Outflow                  | GPM      | 0.00     | 0.10    | 0.75    |           |     |     | 0.000   | 0.000   | 0.000 |
| Freeboard                | Feet     | 0.00     | 0.87    | 6.00    |           |     |     | 6       | 6       | 4.5   |
| Temperature              | Celsius  | 3.5      | 9.4     | 21.7    |           |     |     |         |         | 5.7   |
| Conductivity             | umhos/cm | 145      | 321     | 800     |           |     |     |         |         | 144.5 |
| pH                       | su       | 6.4      | 7.5     | 9.0     |           |     |     |         |         | 7     |
| Field Comments           |          |          |         |         |           |     |     |         |         |       |
| Lab Parameters           | UNITS    |          |         |         |           |     |     |         |         |       |
| Bicarbonate              | mg/L     | 71.81    | 183.45  | 227.00  |           |     |     |         |         |       |
| Chloride                 | mg/L     | <MDL     | 4.39    | 19.82   |           |     |     |         |         |       |
| Conductivity             | umhos/cm | 184      | 298     | 430     |           |     |     |         |         |       |
| Hardness                 | mg/L     | 74.97    | 154.5   | 228.0   |           |     |     |         |         |       |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.256   | 0.256   |           |     |     |         |         |       |
| Oil & Grease             | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |       |
| pH                       | su       | 6.7      | 7.4     | 8.4     |           |     |     |         |         |       |
| Phosphate                | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |       |
| ResidueFilterable-TDS    | mg/L     | 163      | 204     | 260     |           |     |     |         |         |       |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 42      | 236     |           |     |     |         |         |       |
| SAR                      |          | 0.250    | 0.350   | 0.933   |           |     |     |         |         |       |
| Sulfate                  | mg/L     | <MDL     | 18.2    | 154.0   |           |     |     |         |         |       |
| Aluminum (TREC)          | mg/L     | <MDL     | 0.022   | 0.022   |           |     |     |         |         |       |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.04    | 0.04    |           |     |     |         |         |       |
| Cadmium (TREC)           | mg/L     | <MDL     | 0.01    | 0.01    |           |     |     |         |         |       |
| Calcium (TREC)           | mg/L     | 19.8     | 27.7    | 35.6    |           |     |     |         |         |       |
| Copper (TREC)            | mg/L     | <MDL     | 0.02    | 0.02    |           |     |     |         |         |       |
| Iron (TREC)              | mg/L     | 0.10     | 0.31    | 0.62    |           |     |     |         |         |       |
| Lead (TREC)              | mg/L     | <MDL     | 0.05    | 0.05    |           |     |     |         |         |       |
| Magnesium (TREC)         | mg/L     | 6.2      | 16.1    | 27.0    |           |     |     |         |         |       |
| Manganese (TREC)         | mg/L     | <MDL     | 0.02    | 0.02    |           |     |     |         |         |       |
| Mercury (TREC)           | mg/L     | <MDL     | 0.00004 | 0.00004 |           |     |     |         |         |       |
| Molybdenum (TREC)        | mg/L     | <MDL     | 0.006   | 0.006   |           |     |     |         |         |       |
| Selenium (TREC)          | mg/L     | <MDL     | 0.023   | 0.023   |           |     |     |         |         |       |
| Sodium (TREC)            | mg/L     | 8.50     | 17.53   | 26.56   |           |     |     |         |         |       |
| Zinc (TREC)              | mg/L     | <MDL     | 0.006   | 0.006   |           |     |     |         |         |       |

The area of concern for monitoring point SP7-5 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.



SP17  
 Terror Creek - Pond Spring 17  
 Depth 4'  
 Elevation - 7520

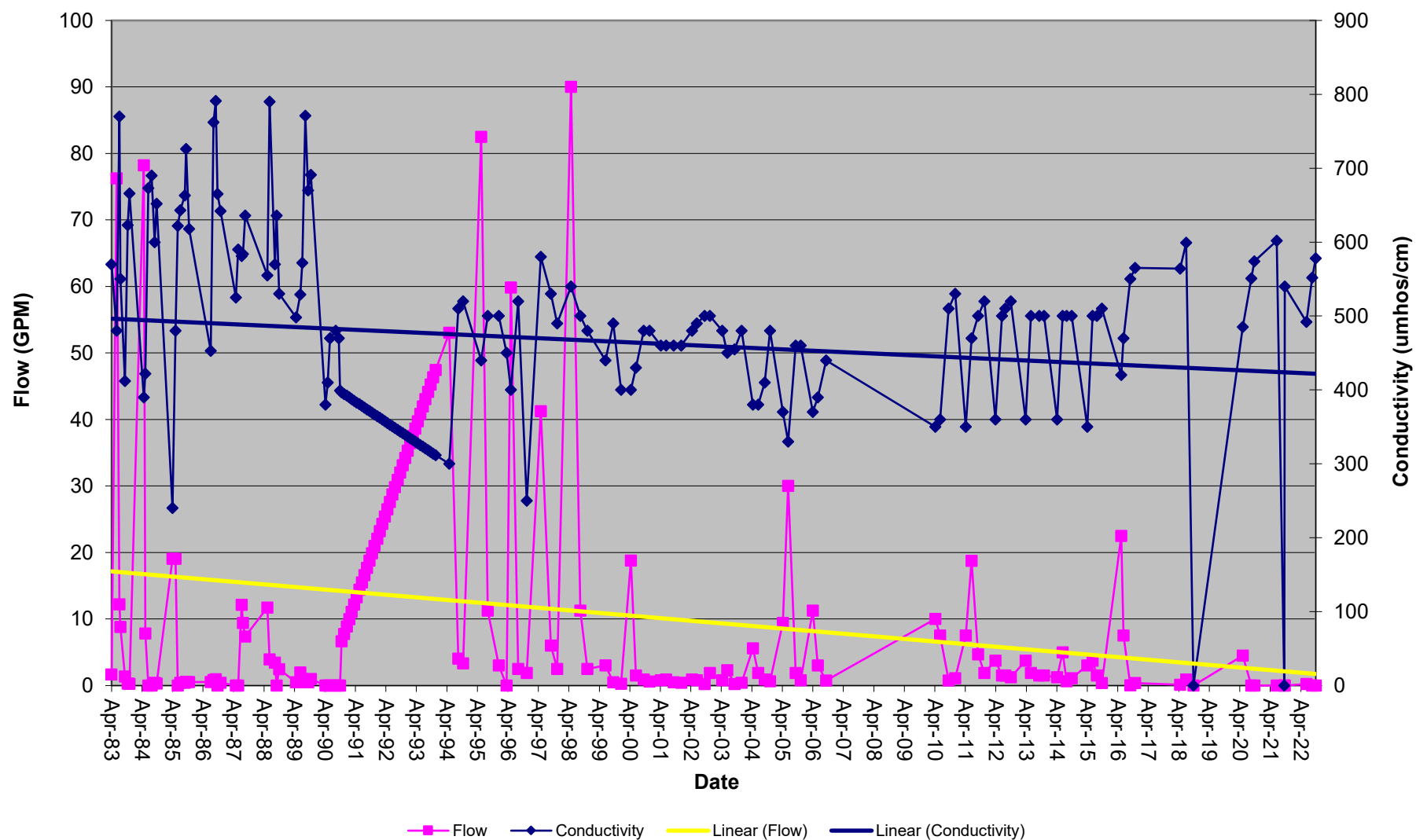
|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 4/15/1983  | 4/15/1983 | 4/15/1983 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

| Field Parameters         | UNITS    | Summary Information |          |          | Operation |     |     |      |      |      |
|--------------------------|----------|---------------------|----------|----------|-----------|-----|-----|------|------|------|
|                          |          | Baseline            | Baseline | Baseline | Min       | Ave | Max |      |      |      |
| Outflow                  | GPM      | 0                   | 2.63     | 31.7     |           |     |     | 0    | 0    | 0.02 |
| Inflow                   | GPM      | 0                   | 11.38    | 90       |           |     |     | 0.16 | 0    | 0.13 |
| Freeboard                | Feet     | 0                   | 0        | 1.5      |           |     |     | 0.5  | 0.25 | 0    |
| Temperature              | Celsius  | 3.6                 | 9.6      | 25       |           |     |     | 10.3 | 9.9  | 8.4  |
| Conductivity             | umhos/cm | 240                 | 474      | 791      |           |     |     | 578  | 552  | 492  |
| pH                       | su       | 6.77                | 7.6      | 9.3      |           |     |     | 7.79 | 7.93 | 6.78 |
| Field Comments           |          |                     |          |          |           |     |     |      |      |      |
| Lab Parameters           | UNITS    |                     |          |          |           |     |     |      |      |      |
| Bicarbonate              | mg/L     | 186.0               | 263.2    | 361.0    |           |     |     |      |      |      |
| Chloride                 | mg/L     | <MDL                | 11       | 202      |           |     |     |      |      |      |
| Conductivity             | umhos/cm | 325                 | 483      | 686      |           |     |     |      |      |      |
| Hardness                 | mg/L     | 17.00               | 174.10   | 232.00   |           |     |     |      |      |      |
| Nitrate-Nitrite          | mg/L     | <MDL                | 0.63     | 1.1      |           |     |     |      |      |      |
| Oil and Grease           | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     |      |      |      |
| pH                       | su       | 6.8                 | 7.6      | 8.3      |           |     |     |      |      |      |
| Phosphate                | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     |      |      |      |
| ResidueFilterable-TDS    | mg/L     | 145                 | 286      | 430      |           |     |     |      |      |      |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 17       | 74       |           |     |     |      |      |      |
| SAR                      |          | 1.08                | 2.58     | 41.10    |           |     |     |      |      |      |
| Sulfate                  | mg/L     | 5.35                | 27.03    | 68       |           |     |     |      |      |      |
| Aluminum (TREC)          | mg/L     | <MDL                | 242.112  | 1210     |           |     |     |      |      |      |
| Arsenic (TREC)           | mg/L     | <MDL                | 0.01     | 0.02     |           |     |     |      |      |      |
| Cadmium (TREC)           | mg/L     | <MDL                | 0.01     | 0.01     |           |     |     |      |      |      |
| Calcium (TREC)           | mg/L     | 33.7                | 43.3     | 56.2     |           |     |     |      |      |      |
| Copper (TREC)            | mg/L     | <MDL                | 0.01     | 0.01     |           |     |     |      |      |      |
| Iron (TREC)              | mg/L     | 0.0197              | 0.31     | 2.25     |           |     |     |      |      |      |
| Lead (TREC)              | mg/L     | <MDL                | 0.03     | 0.04     |           |     |     |      |      |      |
| Magnesium (TREC)         | mg/L     | 10.3                | 14.9     | 18.9     |           |     |     |      |      |      |
| Manganese (TREC)         | mg/L     | <MDL                | 0.024    | 0.0862   |           |     |     |      |      |      |
| Mercury (TREC)           | mg/L     | <MDL                | 0.00008  | 0.00022  |           |     |     |      |      |      |
| Molybdenum (TREC)        | mg/L     | <MDL                | 0.003    | 0.006    |           |     |     |      |      |      |
| Selenium (TREC)          | mg/L     | <MDL                | 0.00531  | 0.014    |           |     |     |      |      |      |
| Sodium (TREC)            | mg/L     | 32.2                | 49.8     | 112.6    |           |     |     |      |      |      |
| Zinc (TREC)              | mg/L     | <MDL                | 0.010    | 0.02     |           |     |     |      |      |      |

The area of concern for monitoring point SP17 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

A diffuse flow from an area of approximately 30' x 20' discharges into a pond measuring approximately 30' x 50'. (Hanna, 99)

Plot of Flow and Conductivity



SP18  
Terror Creek - Pond Spring 18  
Elevation - 7280

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 4/15/1983  | 4/15/1983 | 4/15/1983 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |         |         | Operation |     |     |      |      |      |
|--------------------------|----------|----------|---------|---------|-----------|-----|-----|------|------|------|
|                          |          | Min      | Ave     | Max     | Min       | Ave | Max |      |      |      |
| Outflow                  | GPM      | 0.00     | 1.02    | 3.96    |           |     |     | 0.24 | 0.01 | 1.59 |
| Inflow                   | GPM      | 0.08     | 2.75    | 17.50   |           |     |     | 1.74 | 0.08 | <5   |
| Freeboard                | Feet     | 0.00     | 0.00    | 0.00    |           |     |     | 0    | 0    | 0    |
| Temperature              | Celsius  | 3.0      | 10.2    | 21.3    |           |     |     | 9.5  | 12.2 | 9.2  |
| Conductivity             | umhos/cm | 260      | 634     | 832     |           |     |     | 692  | 685  | 703  |
| pH                       | su       | 7.7      | 8.3     | 8.9     |           |     |     | 8.5  | 8.9  | 7.8  |
| Field Comments           |          |          |         |         |           |     |     |      |      |      |
| Lab Parameters           | UNITS    |          |         |         |           |     |     |      |      |      |
| Bicarbonate              | mg/L     | 133.0    | 343.7   | 408.7   |           |     |     |      |      |      |
| Chloride                 | mg/L     | 3.00     | 7.94    | 62.04   |           |     |     |      |      |      |
| Conductivity             | umhos/cm | 230      | 606     | 892     |           |     |     |      |      |      |
| Hardness                 | mg/L     | 86.00    | 235.68  | 277.00  |           |     |     |      |      |      |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.5     | 0.8     |           |     |     |      |      |      |
| Oil and Grease           | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |      |      |      |
| pH                       | su       | 7.2      | 8.0     | 8.3     |           |     |     |      |      |      |
| Phosphate                | mg/L     | <MDL     | 0.023   | 0.024   |           |     |     |      |      |      |
| ResidueFilterable-TDS    | mg/L     | 110      | 344     | 678     |           |     |     |      |      |      |
| ResidueNonFilterable-TSS | mg/L     | 2        | 39      | 171     |           |     |     |      |      |      |
| SAR                      |          | 0.89     | 1.39    | 1.84    |           |     |     |      |      |      |
| Sulfate                  | mg/L     | 10       | 27      | 53      |           |     |     |      |      |      |
| Aluminum (TREC)          | mg/L     | 0.028    | 260.405 | 806.000 |           |     |     |      |      |      |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.04    | 0.04    |           |     |     |      |      |      |
| Cadmium (TREC)           | mg/L     | <MDL     | 0.01    | 0.01    |           |     |     |      |      |      |
| Calcium (TREC)           | mg/L     | 57.9     | 62.4    | 66.8    |           |     |     |      |      |      |
| Copper TREC)             | mg/L     | <MDL     | 0.003   | 0.003   |           |     |     |      |      |      |
| Iron (TREC)              | mg/L     | 0.24     | 1.24    | 4.51    |           |     |     |      |      |      |
| Lead (TREC)              | mg/L     | 0.03     | 0.03    | 0.03    |           |     |     |      |      |      |
| Magnesium (TREC)         | mg/L     | 21.0     | 24.7    | 28.1    |           |     |     |      |      |      |
| Manganese (TREC)         | mg/L     | 0.01     | 3.04    | 21.20   |           |     |     |      |      |      |
| Mercury (TREC)           | mg/L     | <MDL     | 0.00007 | 0.00007 |           |     |     |      |      |      |
| Molybdenum (TREC)        | mg/L     | <MDL     | 0.010   | 0.010   |           |     |     |      |      |      |
| Selenium (TREC)          | mg/L     | <MDL     | 0.012   | 0.012   |           |     |     |      |      |      |
| Sodium (TREC)            | mg/L     | 49.1     | 56.7    | 69.7    |           |     |     |      |      |      |
| Zinc (TREC)              | mg/L     | <MDL     | 0.004   | 0.004   |           |     |     |      |      |      |

The area of concern for monitoring point SP18 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

SP19  
Steven's Gulch - Pond Spring 19  
Elevation - 8240

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 8/22/1983  | 8/22/1983 | 8/22/1983 |
| Activated | 2/28/2015  | 2/28/2015 | 2/28/2015 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |        | Operation |        |        |     |   |     |
|--------------------------|----------|----------|--------|--------|-----------|--------|--------|-----|---|-----|
|                          |          | Min      | Ave    | Max    | Min       | Ave    | Max    |     |   |     |
| Outflow                  | GPM      | 0        | 0.41   | 8.62   | 0         | 0.28   | 3.75   | 0   | 0 | 0   |
| Inflow                   | GPM      | 0        | 0.03   | 0.49   | 0         | 0.17   | 2.50   | 0   | 0 | 0   |
| Freeboard                | Feet     | 0        | 1.45   | 2.70   | 0         | 1.63   | 4.00   | 3.5 | 3 | 2.5 |
| Temperature              | Celsius  | -1.4     | 17.66  | 27.50  | 12.5      | 15.20  | 17.90  |     |   |     |
| Conductivity             | umhos/cm | 110      | 286.89 | 545.00 | 140       | 146.75 | 153.50 |     |   |     |
| pH                       | su       | 7.7      | 8.43   | 10.00  | 8.1       | 8.23   | 8.35   |     |   |     |
| Field Comments           |          |          |        |        |           |        |        |     |   |     |
| Lab Parameters           | UNITS    |          |        |        |           |        |        |     |   |     |
| Bicarbonate              | mg/L     | 84.2     | 166.2  | 256.2  |           |        |        |     |   |     |
| Carbonate                | mg/L     |          |        |        |           |        |        |     |   |     |
| Chloride                 | mg/L     | <MDL     | 3      | 7      |           |        |        |     |   |     |
| Conductivity             | umhos/cm | 150      | 272    | 410    |           |        |        |     |   |     |
| Hardness                 | mg/L     | 61       | 120    | 185    |           |        |        |     |   |     |
| pH                       | su       | 6.9      | 7.5    | 8.4    |           |        |        |     |   |     |
| ResidueFilterable-TDS    | mg/L     | 100      | 174    | 256    |           |        |        |     |   |     |
| ResidueNonFilterable-TSS | mg/L     | 6        | 64     | 396    |           |        |        |     |   |     |
| SAR                      |          | 0.15     | 0.37   | 1.00   |           |        |        |     |   |     |
| Sulfate                  | mg/L     | <MDL     | 24     | 101    |           |        |        |     |   |     |
| Calcium (Dissolved)      | mg/L     | 16       | 28     | 41     |           |        |        |     |   |     |
| Magnesium (Total)        | mg/L     | 5        | 12     | 20     |           |        |        |     |   |     |
| Sodium (Dissolved)       | mg/L     | 3        | 9      | 23     |           |        |        |     |   |     |

The area of concern for monitoring point SP19 was affected by the mining operation on or about February 28, 2015.

\* Data not provided in field notes

SP20  
Terror Creek - Pond Spring 20  
Depth 4'  
Elevation - 7840

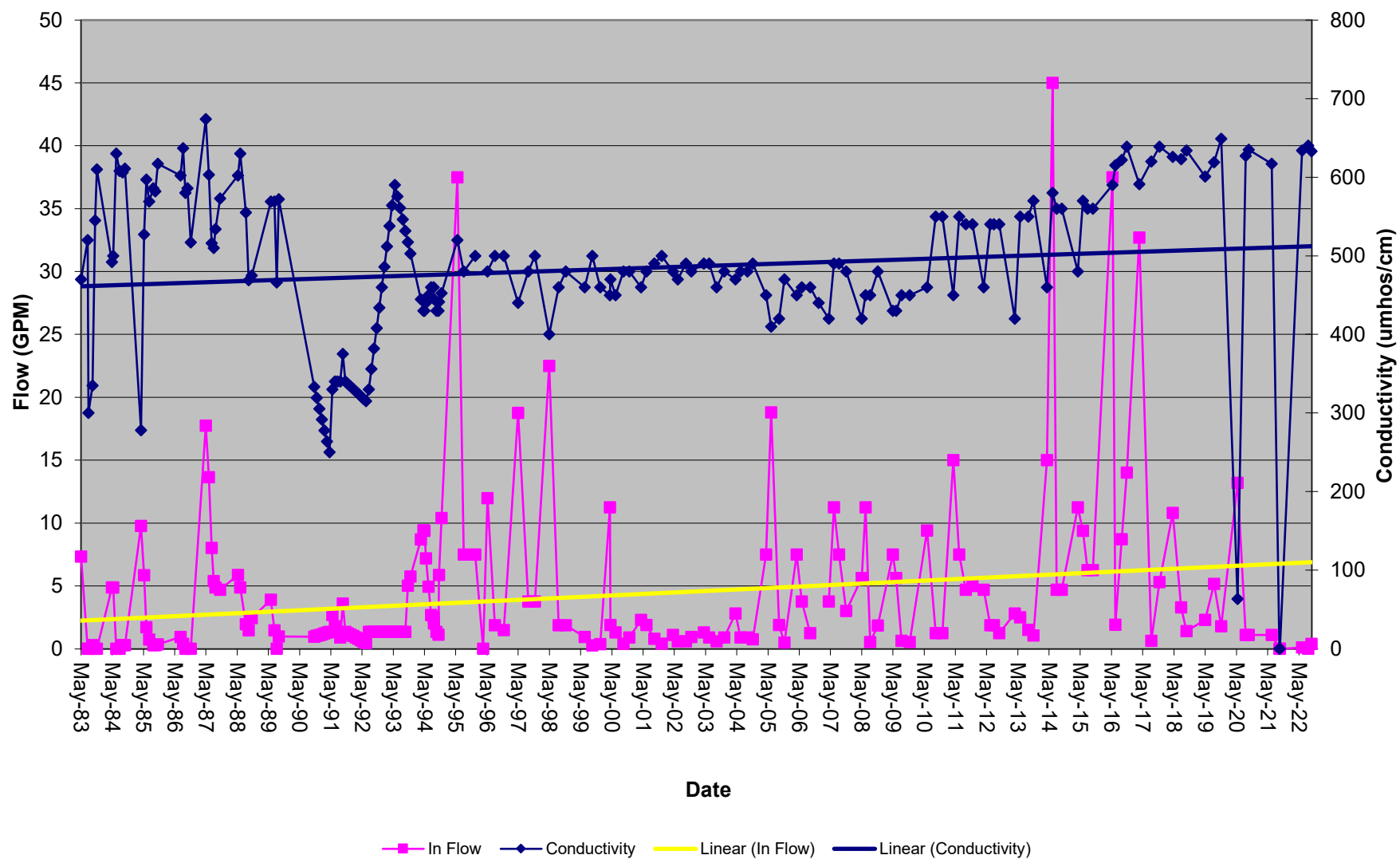
|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 5/15/1983  | 5/15/1983 | 5/15/1983 |
| Activated | 6/30/2013  | 6/30/2013 | 6/30/2013 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

| Summary Information      |          |          |       |        |           |       |       |      |      |      |
|--------------------------|----------|----------|-------|--------|-----------|-------|-------|------|------|------|
| Field Parameters         | UNITS    | Baseline |       |        | Operation |       |       |      |      |      |
|                          |          | Min      | Ave   | Max    | Min       | Ave   | Max   |      |      |      |
| Outflow                  | GPM      | 0.0      | 0.6   | 2.3    | 0.0       | 5.0   | 42.2  | 0.40 | 0.00 | 0.10 |
| Inflow                   | GPM      | 0.0      | 3.5   | 37.5   | 0.0       | 9.2   | 45.0  | 2.38 | 0    | 0.17 |
| Freeboard                | Feet     | 0.0      | 0.0   | 0.8    | 0.0       | 0.0   | 0.0   |      |      |      |
| Temperature              | Celsius  | 2.0      | 8.8   | 27.7   | 6.7       | 8.5   | 13.8  | 9.1  | 9.6  | 10.6 |
| Conductivity             | umhos/cm | 250.0    | 471.2 | 674.0  | 460.0     | 597.4 | 649.0 | 633  | 640  | 634  |
| pH                       | su       | 5.3      | 7.5   | 8.9    | 6.9       | 7.5   | 8.0   | 7.73 | 7.92 | 6.99 |
| Field Comments           |          |          |       |        |           |       |       | Dry  |      |      |
| Lab Parameters           | UNITS    |          |       |        |           |       |       |      |      |      |
|                          |          |          |       |        |           |       |       |      |      |      |
| Bicarbonate              | mg/L     | 144.7    | 289.9 | 342.0  | 247.4     | 326.9 | 385.0 |      |      |      |
| Chloride                 | mg/L     | 0.0      | 5.0   | 28.3   | 2.3       | 2.7   | 4.6   |      |      |      |
| Conductivity             | umhos/cm | 311.5    | 513.5 | 714.0  | 465.0     | 525.7 | 591.0 |      |      |      |
| Hardness                 | mg/L     | 108.0    | 207.6 | 511.9  | 197.0     | 225.3 | 243.0 |      |      |      |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.3   | 0.3    | <MDL      | <MDL  | 0.1   |      |      |      |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | 0.0    | <MDL      | <MDL  | 0.0   |      |      |      |
| pH                       | su       | 6.7      | 7.4   | 8.5    | 7.0       | 7.6   | 8.2   |      |      |      |
| Phosphate                | mg/L     | <MDL     | <MDL  | 0.0    | <MDL      | 0.0   | 0.1   |      |      |      |
| ResidueFilterable-TDS    | mg/L     | 240.0    | 318.8 | 460.0  | 337.0     | 358.9 | 438.0 |      |      |      |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 88.9  | 1800.0 | <MDL      | 9.3   | 13.0  |      |      |      |
| SAR                      |          | 0.5      | 1.3   | 2.3    | 1.2       | 1.8   | 5.4   |      |      |      |
| Sulfate                  | mg/L     | 0.8      | 12.5  | 60.0   | 0.0       | 29.2  | 34.2  |      |      |      |
| Aluminum (TREC)          | mg/L     | <MDL     | 0.2   | 0.5    | <MDL      | 46.6  | 186.0 |      |      |      |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Cadmium (TREC)           | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Calcium (TREC)           | mg/L     | 36.3     | 69.1  | 128.3  | 42.1      | 54.1  | 59.8  |      |      |      |
| Copper (TREC)            | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Iron (TREC)              | mg/L     | 0.0      | 0.1   | 0.2    | 0.0       | 0.1   | 0.3   |      |      |      |
| Lead (TREC)              | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Magnesium (TREC)         | mg/L     | 17.2     | 28.6  | 46.5   | 20.2      | 21.9  | 23.3  |      |      |      |
| Manganese (TREC)         | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 7.7   | 23.0  |      |      |      |
| Mercury (TREC)           | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Molybdenum (TREC)        | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Selenium (TREC)          | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |
| Sodium (TREC)            | mg/L     | 40.2     | 47.6  | 53.1   | 43.5      | 51.7  | 124.8 |      |      |      |
| Zinc (TREC)              | mg/L     | <MDL     | 0.0   | 0.0    | <MDL      | 0.0   | 0.0   |      |      |      |

Activated 6/30/2013

This spring and pond consists of an area of approximately 20' x 20' of diffuse flow which is collected in a pond of approximately 30' x 60'. (Hanna, 99)

Plot of Flow and Conductivity



SP22  
 Terror Creek - Pond Spring 22  
 Depth 4'  
 Elevation - 7480

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/18/1983  | 7/18/1983 | 7/18/1983 |
| Activated | 8/5/2012   | 8/5/2012  | 8/5/2012  |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |       | Operation |      |      |      |      |      |
|--------------------------|----------|----------|--------|-------|-----------|------|------|------|------|------|
|                          |          | Min      | Ave    | Max   | Min       | Ave  | Max  |      |      |      |
| Inflow                   | GPM      | 0.00     | 0.33   | 5.63  | 0.00      | 0.16 | 5.81 | 0.00 | 0.00 | 0.00 |
| Outflow                  | GPM      | 0.00     | 0.00   | 0.00  | 0.00      | 0.01 | 0.20 | 0.00 | 0.00 | 0.00 |
| Freeboard                | Feet     | 0.0      | 1.1    | 4.0   | 0.00      | 1.18 | 6.00 | 6.00 | 4.50 | 3.50 |
| Temperature              | Celsius  | 6.9      | 16.9   | 28.6  |           |      |      |      |      |      |
| Conductivity             | umhos/cm | 343      | 661    | 915   |           |      |      |      |      |      |
| pH                       | su       | 7.3      | 8.3    | 9.7   |           |      |      |      |      |      |
| Field Comments           |          |          |        |       |           |      |      |      |      |      |
| Lab Parameters           | UNITS    |          |        |       |           |      |      |      |      |      |
| Bicarbonate              | mg/L     | 165.9    | 343.38 | 584   |           |      |      |      |      |      |
| Carbonate                | mg/L     | <MDL     | 1.9282 | 11.71 |           |      |      |      |      |      |
| Chloride                 | mg/L     | 1        | 7.6205 | 13    |           |      |      |      |      |      |
| Conductivity             | umhos/cm | 390      | 629.15 | 878   |           |      |      |      |      |      |
| Hardness                 | mg/L     | 132      | 277.64 | 377   |           |      |      |      |      |      |
| pH                       | su       | 7.3      | 8.013  | 8.56  |           |      |      |      |      |      |
| ResidueFilterable-TDS    | mg/L     | 145      | 377.3  | 564   |           |      |      |      |      |      |
| ResidueNonFilterable-TSS | mg/L     | 4        | 20.579 | 65    |           |      |      |      |      |      |
| SAR                      |          | 0.53     | 1.0868 | 1.897 |           |      |      |      |      |      |
| Sulfate                  | mg/L     | 14       | 48.52  | 230   |           |      |      |      |      |      |
| Calcium (Dissolved)      | mg/L     | 17       | 57.892 | 90    |           |      |      |      |      |      |
| Magnesium (Total)        | mg/L     | 12       | 32.355 | 51    |           |      |      |      |      |      |
| Sodium (Dissolved)       | mg/L     | 14       | 40.51  | 63    |           |      |      |      |      |      |

The monitoring point for Spring and Pond 22 is located on an east facing slope that drains down toward Terror Creek.

Baseline Information is derived from monitoring events beginning on 7/18/83 through 8/5/2012, Point SP22 influenced by mining on 8/5/12.

SP23  
Stevens Gulch - Pond Spring 23  
Elevation - 8300

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 8/22/1983  | 8/22/1983 | 8/22/1983 |
| Activated | 7/15/2014  | 7/15/2014 | 7/15/2014 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |         |         | Operation |       |       |         |      |         |
|--------------------------|----------|----------|---------|---------|-----------|-------|-------|---------|------|---------|
|                          |          | Min      | Ave     | Max     | Min       | Ave   | Max   |         |      |         |
| Outflow                  | GPM      | 0.00     | 1.05    | 9.29    | 0.00      |       | 62.50 | No Flow | Seep | Damp    |
| Inflow                   | GPM      |          |         |         |           |       |       | 0.00    | 0.00 | No Flow |
| Freeboard                | Feet     | 0.00     | 0.02    | 0.28    | 0.00      | 0.87  | 3.10  | 3       | 0.5  | 0.4     |
| Temperature              | Celsius  | -0.10    | 10.07   | 21.70   | 3.50      | 10.82 | 19.90 |         |      |         |
| Conductivity             | umhos/cm | 220.00   | 403.91  | 891.00  | 220       | 397   | 521   |         |      |         |
| pH                       | su       | 6.80     | 7.42    | 9.60    | 6.3       | 7.4   | 9.4   |         |      |         |
| Field Comments           |          |          |         |         |           |       |       |         |      |         |
| Lab Parameters           | UNITS    |          |         |         |           |       |       |         |      |         |
| Bicarbonate              | mg/L     | 91.9     | 254.6   | 424.6   |           |       |       |         |      |         |
| Chloride                 | mg/L     | <MDL     | 5.15    | 17.37   |           |       |       |         |      |         |
| Conductivity             | umhos/cm | 236      | 424     | 670     |           |       |       |         |      |         |
| Hardness                 | mg/L     | 105.00   | 209.37  | 322.00  |           |       |       |         |      |         |
| Nitrate-Nitrite          | mg/L     | 0.11     | 0.11    | 0.11    |           |       |       |         |      |         |
| Oil and Grease           | mg/L     | <MDL     | <MDL    | <MDL    |           |       |       |         |      |         |
| pH                       | su       | 6.4      | 7.3     | 8.4     |           |       |       |         |      |         |
| Phosphate                | mg/L     | <MDL     | <MDL    | <MDL    |           |       |       |         |      |         |
| ResidueFilterable-TDS    | mg/L     | 156      | 270     | 380     |           |       |       |         |      |         |
| ResidueNonFilterable-TSS | mg/L     | 2        | 61      | 216     |           |       |       |         |      |         |
| SAR                      |          | 0.120    | 0.437   | 1.010   |           |       |       |         |      |         |
| Sulfate                  | mg/L     | <MDL     | 10.08   | 43.00   |           |       |       |         |      |         |
| Aluminum (TREC)          | mg/L     | 0.0210   | 0.0210  | 0.0210  |           |       |       |         |      |         |
| Arsenic (TREC)           | mg/L     | 0.0200   | 0.0200  | 0.0200  |           |       |       |         |      |         |
| Cadmium (TREC)           | mg/L     | 0.0100   | 0.0100  | 0.0100  |           |       |       |         |      |         |
| Calcium (TREC)           | mg/L     | 41.300   | 41.300  | 41.300  |           |       |       |         |      |         |
| Copper (TREC)            | mg/L     | 0.003    | 0.003   | 0.003   |           |       |       |         |      |         |
| Iron (TREC)              | mg/L     | 0.15     | 0.54    | 1.15    |           |       |       |         |      |         |
| Lead (TREC)              | mg/L     | 0.05     | 0.05    | 0.05    |           |       |       |         |      |         |
| Magnesium (TREC)         | mg/L     | 11.0     | 23.4    | 38.0    |           |       |       |         |      |         |
| Manganese (TREC)         | mg/L     | 0.010    | 0.067   | 0.110   |           |       |       |         |      |         |
| Mercury (TREC)           | mg/L     | 0.00008  | 0.00008 | 0.00008 |           |       |       |         |      |         |
| Molybdenum (TREC)        | mg/L     | 0.0030   | 0.0030  | 0.0030  |           |       |       |         |      |         |
| Selenium (TREC)          | mg/L     | 0.0180   | 0.0180  | 0.0180  |           |       |       |         |      |         |
| Sodium (TREC)            | mg/L     | 15.78    | 15.78   | 15.78   |           |       |       |         |      |         |
| Zinc (TREC)              | mg/L     | 0.010    | 0.010   | 0.010   |           |       |       |         |      |         |

\*Multiple Seeps Inflow - Unmeasurable

Activated 7/15/2014

Baseline Information Collection initiated on 8/22/83.  
Point SP23 was influenced by mining 7/15/2014.



SP34-11  
Sheep Corral - Spring/Pond 34-11  
Elevation - 7440  
Depth - 3'

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 10/27/1997 | 10/27/1997 | 10/27/1997 | 10/27/1997 |
| Activated | 6/1/2002   | 6/1/2002   | 6/1/2002   | 6/1/2002   |
| Date      | 11/8/2022  | 9/7/2022   | 6/8/2022   | 12/1/2021  |

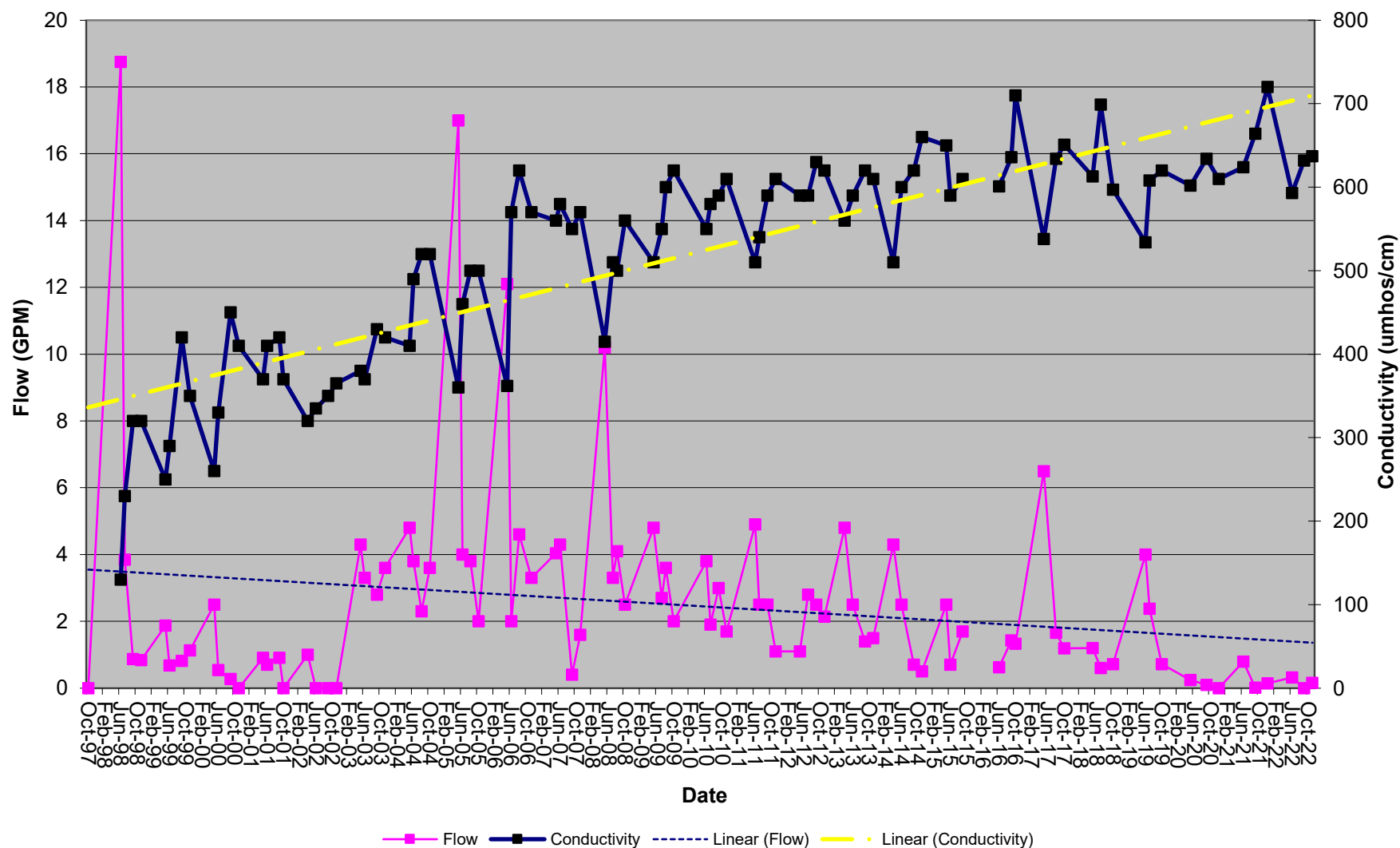
Summary Information

| Field Parameters         | UNITS    | Baseline |        |       | Operation |        |        |      |      |      |      |
|--------------------------|----------|----------|--------|-------|-----------|--------|--------|------|------|------|------|
|                          |          | Min      | Ave    | Max   | Min       | Ave    | Max    |      |      |      |      |
| Outflow                  | GPM      | 0.0      | 2.2    | 18.8  | 0.0       | 2.65   | 17.00  | 0.16 | 0    | 0.32 | 0    |
| Inflow                   | GPM      |          |        |       | 0.0       | 1.82   | 6.49   | 0.48 | 0.48 | 2.4  | 0.14 |
| FieldComment             |          |          |        |       |           |        |        |      |      |      |      |
| ph                       | su       | 6.9      | 7.5    | 8.0   | 6.7       | 7.66   | 8.50   | 8.21 | 8.05 | 7.09 | 7.7  |
| Conductivity             | umhos/cm | 130      | 325    | 450   | 360       | 566    | 720    | 637  | 632  | 593  | 720  |
| Temperature              | Celsius  | 6.1      | 10.0   | 15.1  | 4.4       | 7.8    | 12.8   | 7.1  | 7.7  | 5.9  | 4.4  |
| Lab Parameters           | UNITS    |          |        |       |           |        |        |      |      |      |      |
| Bicarbonate              | mg/L     | 165      | 197    | 217   | 137.9     | 244.9  | 331.0  |      |      |      |      |
| Chloride                 | mg/L     | <MDL     | 2      | 3     | <MDL      | 4.74   | 11.79  |      |      |      |      |
| Conductivity             | umhos/cm | 324      | 412    | 482   | 367.8     | 497.0  | 633.0  |      |      |      |      |
| Hardness                 | mg/L     | 92       | 103    | 111   | 100.0     | 125.8  | 152.5  |      |      |      |      |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.03   | 0.09  | <MDL      | 1.320  | 2.580  |      |      |      |      |
| Oil and Grease           | mg/L     | <MDL     | <MDL   | <MDL  | <MDL      | 0.077  | 0.077  |      |      |      |      |
| pH                       | su       | 6.9      | 7.5    | 8.0   | 6.23      | 7.39   | 8.30   |      |      |      |      |
| Phosphate                | mg/L     | <MDL     | <MDL   | <MDL  | <MDL      | 0.050  | 0.072  |      |      |      |      |
| ResidueFilterable-TDS    | mg/L     | 180      | 247    | 290   | 55.5      | 252.4  | 371.0  |      |      |      |      |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 51     | 154   | <MDL      | 50.3   | 107.0  |      |      |      |      |
| SAR                      |          | <MDL     | <MDL   | <MDL  | 2.09      | 3.26   | 4.75   |      |      |      |      |
| Sulfate                  | mg/L     | 30       | 33     | 40    | 26.34     | 41.54  | 57.42  |      |      |      |      |
| Aluminum                 | mg/L     | 0.04     | 2.15   | 6.34  | <MDL      | 62.15  | 226.00 |      |      |      |      |
| Arsenic                  | mg/L     | <MDL     | 0.0003 | 0.001 | 0.001     | 0.010  | 0.015  |      |      |      |      |
| Cadmium                  | mg/L     | <MDL     | <MDL   | <MDL  | <MDL      | 0.004  | 0.006  |      |      |      |      |
| Calcium                  | mg/L     | 27.5     | 30.3   | 32.1  | 7.7       | 32.6   | 43.6   |      |      |      |      |
| Copper                   | mg/L     | <MDL     | 0.31   | 0.92  | <MDL      | <MDL   | <MDL   |      |      |      |      |
| Iron (Total)             | mg/L     | 0.04     | 2.35   | 6.89  | 0.01      | 1.47   | 8.03   |      |      |      |      |
| Lead                     | mg/L     | <MDL     | <MDL   | <MDL  | <MDL      | 0.02   | 0.03   |      |      |      |      |
| Magnesium                | mg/L     | 5.7      | 6.7    | 7.5   | 3.41      | 7.44   | 10.60  |      |      |      |      |
| Manganese (Total)        | mg/L     | <MDL     | 0.046  | 0.137 | <MDL      | 0.03   | 0.11   |      |      |      |      |
| Mercury                  | mg/L     | <MDL     | <MDL   | <MDL  | <MDL      | 0.0001 | 0.0002 |      |      |      |      |
| Molybdenum               | mg/L     | <MDL     | <MDL   | <MDL  | <MDL      | <MDL   | <MDL   |      |      |      |      |
| Selenium                 | mg/L     | <MDL     | <MDL   | <MDL  | 0.0006    | 0.0155 | 0.0560 |      |      |      |      |
| Sodium                   | mg/L     | 30.8     | 49.5   | 64.1  | 59.7      | 196.1  | 807.0  |      |      |      |      |
| Zinc                     | mg/L     | <MDL     | 0.01   | 0.04  | 0.01      | 0.02   | 0.02   |      |      |      |      |

The monitoring point for SP34-11 is along the old coal exploration road winding down Sheep Corral Gulch. The spring in sandstone just above the pond surface.

Baseline Information for Point SP34-11 is derived from events beginning on 10/27/97 through 6/1/02.  
Point influenced by mining on 6/1/02.

Plot of Flow and Conductivity



S-1  
B Gulch - Spring 1  
Elevation - 6990

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 6/12/1995  | 6/12/1995 | 6/12/1995 |
| Activated | 3/30/1997  | 3/30/1997 | 3/30/1997 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  | *   |     |     |
| Flow                     | GPM      | 0.00     | 0.38  | 1.25  | 0.00      | 0.05 | 3.00 | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 8.4      | 8.6   | 8.7   | 8.1       | 8.3  | 8.5  |     |     |     |
| Conductivity             | umhos/cm | 1520     | 2053  | 2300  | 2000      | 2067 | 2200 |     |     |     |
| Temperature              | Celsius  | 2.4      | 10.5  | 17.1  | 12.8      | 17.2 | 20.1 |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |     |     |
| Bicarbonate              | mg/L     | 784      | 784   | 784   |           |      |      |     |     |     |
| Chloride                 | mg/L     | 28       | 28    | 28    |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 2140     | 2140  | 2140  |           |      |      |     |     |     |
| Hardness                 | mg/L     | 570      | 570   | 570   |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| pH                       | su       | 7.5      | 7.5   | 7.5   |           |      |      |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 1480     | 1480  | 1480  |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 30       | 30    | 30    |           |      |      |     |     |     |
| SAR                      |          | 5.66     | 5.66  | 5.66  |           |      |      |     |     |     |
| Sulfate                  | mg/L     | 490      | 490   | 490   |           |      |      |     |     |     |
| Aluminum                 | mg/L     | 0.89     | 0.89  | 0.89  |           |      |      |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Calcium                  | mg/L     | 52       | 52    | 52    |           |      |      |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Iron (Total)             | mg/L     | 1.01     | 1.01  | 1.01  |           |      |      |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Magnesium                | mg/L     | 107      | 107   | 107   |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     | 0.017    | 0.017 | 0.017 |           |      |      |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Selenium                 | mg/L     | 0.002    | 0.002 | 0.002 |           |      |      |     |     |     |
| Sodium                   | mg/L     | 307      | 307   | 307   |           |      |      |     |     |     |
| Zinc                     | mg/L     | 0.01     | 0.01  | 0.01  |           |      |      |     |     |     |

\* Site not accessible 1Q

The S-1 monitoring point location is along the Stevens Draw road where it crosses B Gulch. This spring is located on the upper side of the road, discharges along the road and eventually contributes its flow through Sediment Pond B.

Baseline Information for Point S-1 is derived from events beginning on 6/12/95 through 3/30/97.  
Point influenced by mining on 3/20/97.

S-1  
B Gulch - Spring 1  
Elevation - 6990

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 6/12/1995  | 6/12/1995 | 6/12/1995 |
| Activated | 3/30/1997  | 3/30/1997 | 3/30/1997 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  | *   |     |     |
| Flow                     | GPM      | 0.00     | 0.38  | 1.25  | 0.00      | 0.05 | 3.00 | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 8.4      | 8.6   | 8.7   | 8.1       | 8.3  | 8.5  |     |     |     |
| Conductivity             | umhos/cm | 1520     | 2053  | 2300  | 2000      | 2067 | 2200 |     |     |     |
| Temperature              | Celsius  | 2.4      | 10.5  | 17.1  | 12.8      | 17.2 | 20.1 |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |     |     |
| Bicarbonate              | mg/L     | 784      | 784   | 784   |           |      |      |     |     |     |
| Chloride                 | mg/L     | 28       | 28    | 28    |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 2140     | 2140  | 2140  |           |      |      |     |     |     |
| Hardness                 | mg/L     | 570      | 570   | 570   |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| pH                       | su       | 7.5      | 7.5   | 7.5   |           |      |      |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 1480     | 1480  | 1480  |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 30       | 30    | 30    |           |      |      |     |     |     |
| SAR                      |          | 5.66     | 5.66  | 5.66  |           |      |      |     |     |     |
| Sulfate                  | mg/L     | 490      | 490   | 490   |           |      |      |     |     |     |
| Aluminum                 | mg/L     | 0.89     | 0.89  | 0.89  |           |      |      |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Calcium                  | mg/L     | 52       | 52    | 52    |           |      |      |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Iron (Total)             | mg/L     | 1.01     | 1.01  | 1.01  |           |      |      |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Magnesium                | mg/L     | 107      | 107   | 107   |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     | 0.017    | 0.017 | 0.017 |           |      |      |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Selenium                 | mg/L     | 0.002    | 0.002 | 0.002 |           |      |      |     |     |     |
| Sodium                   | mg/L     | 307      | 307   | 307   |           |      |      |     |     |     |
| Zinc                     | mg/L     | 0.01     | 0.01  | 0.01  |           |      |      |     |     |     |

\* Site not accessible 1Q

The S-1 monitoring point location is along the Stevens Draw road where it crosses B Gulch. This spring is located on the upper side of the road, discharges along the road and eventually contributes its flow through Sediment Pond B.

Baseline Information for Point S-1 is derived from events beginning on 6/12/95 through 3/30/97.  
Point influenced by mining on 3/20/97.

S-3  
Freeman Gulch - Spring 3  
Elevation - 7920

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 6/12/1995  | 6/12/1995  | 6/12/1995  |
| Activated | 10/15/2001 | 10/15/2001 | 10/15/2001 |
| Date      | 11/8/2022  | 9/6/2022   | 5/11/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  | *   |     |     |
| Flow                     | GPM      | 0.00     | 0.29  | 3.75  | 0.00      | 0.00 | 0.00 | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 6.7      | 7.8   | 8.5   |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 120      | 222   | 443   |           |      |      |     |     |     |
| Temperature              | Celsius  | 7.6      | 15.6  | 28.7  |           |      |      |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |     |     |
| Bicarbonate              | mg/L     | 77       | 77    | 77    |           |      |      |     |     |     |
| Chloride                 | mg/L     | 4        | 4     | 4     |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 164      | 164   | 164   |           |      |      |     |     |     |
| Hardness                 | mg/L     | 72       | 72    | 72    |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     | 0.05     | 0.05  | 0.05  |           |      |      |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| pH                       | su       | 7.5      | 7.5   | 7.5   |           |      |      |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 110      | 110   | 110   |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 8        | 8     | 8     |           |      |      |     |     |     |
| SAR                      |          | 0.34     | 0.34  | 0.34  |           |      |      |     |     |     |
| Sulfate                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Aluminum                 | mg/L     | 0.35     | 0.35  | 0.35  |           |      |      |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Calcium                  | mg/L     | 21.7     | 21.7  | 21.7  |           |      |      |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Iron (Total)             | mg/L     | 0.37     | 0.37  | 0.37  |           |      |      |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Magnesium                | mg/L     | 4.2      | 4.2   | 4.2   |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     | 0.014    | 0.014 | 0.014 |           |      |      |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Selenium                 | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Sodium                   | mg/L     | 6.6      | 6.6   | 6.6   |           |      |      |     |     |     |
| Zinc                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point for S-3 is located along the old coal exploration road which leads down into Freeman Gulch, to Pond 2, Drill Holes 34B and 34C and the monitoring point for the Upper end of Freeman Gulch.

Baseline Information for Point S-3 is derived from events beginning on 6/12/95 through 10/15/01.  
Point influenced by mining on 10/15/01.

S-4  
Terror Creek - Spring 4  
Elevation - 7880

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/12/1995 | 6/12/1995 | 6/12/1995 |
| Activated | 1/15/2001 | 1/15/2001 | 1/15/2001 |
| Date      | 11/9/2022 | 9/25/2022 | 5/11/2022 |

Summary Information

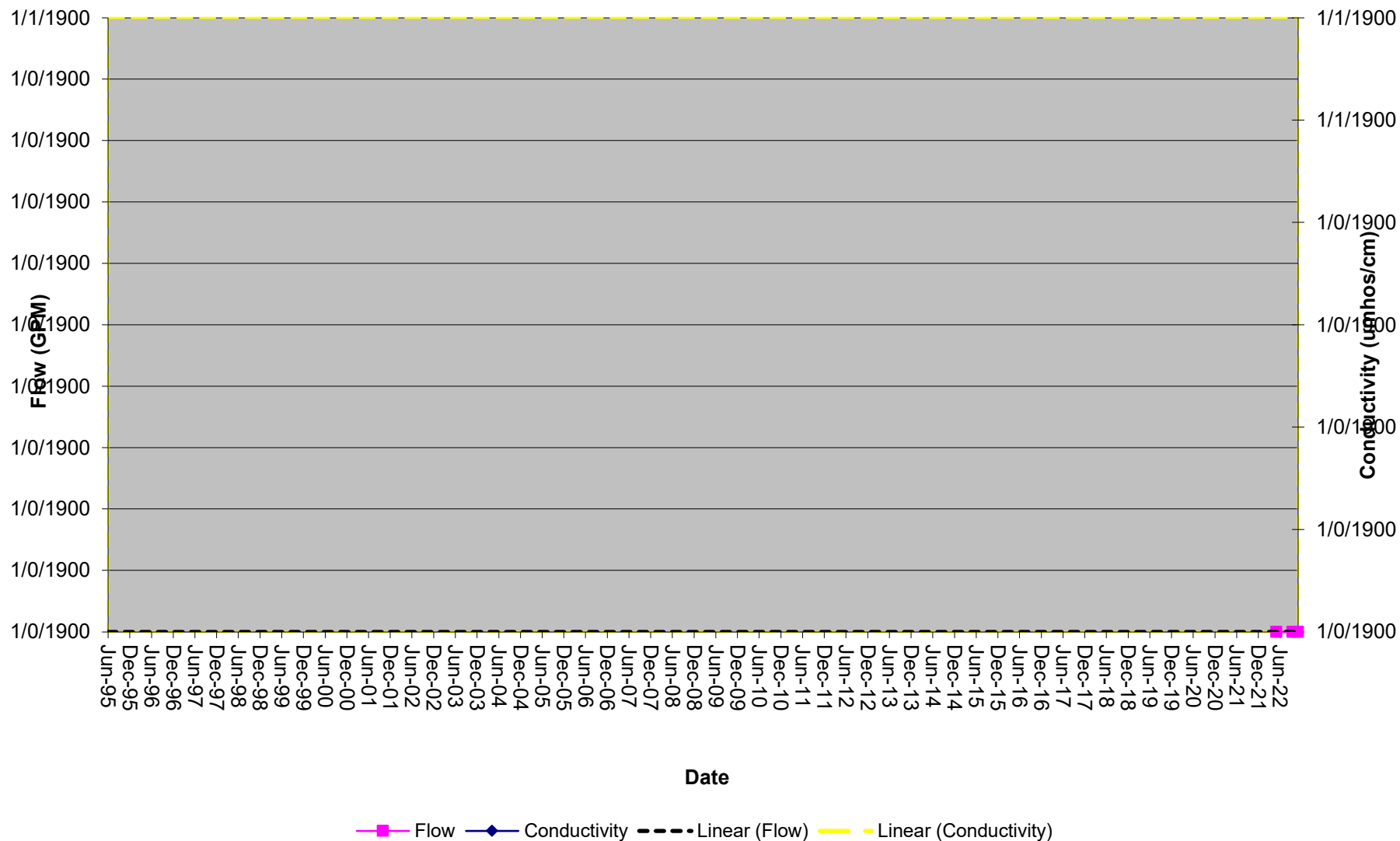
| Field Parameters         | UNITS    | Baseline |        |        | Operation |         |         | *               |                 |                 |
|--------------------------|----------|----------|--------|--------|-----------|---------|---------|-----------------|-----------------|-----------------|
|                          |          | Min      | Ave    | Max    | Min       | Ave     | Max     |                 |                 |                 |
| Flow                     | GPM      | 0.00     | 0.24   | 3.75   | 0.00      | 0.22    | 2.37    | 0               | 0               | 0               |
| FieldComment             |          |          |        |        |           |         |         | no visible flow | no visible flow | no visible flow |
| ph                       | su       | 6.4      | 7.4    | 9.0    | 6.8       | 7.5     | 8.0     |                 |                 |                 |
| Conductivity             | umhos/cm | 80       | 268    | 433    | 300       | 386     | 537     |                 |                 |                 |
| Temperature              | Celsius  | 1.2      | 10.0   | 24.0   | 1.8       | 6.5     | 10.7    |                 |                 |                 |
| Lab Parameters           | UNITS    |          |        |        |           |         |         |                 |                 |                 |
| Bicarbonate              | mg/L     | 56       | 56     | 56     | 231.8     | 231.8   | 231.8   |                 |                 |                 |
| Chloride                 | mg/L     | 2        | 2      | 2      | 49.63     | 49.63   | 49.63   |                 |                 |                 |
| Conductivity             | umhos/cm | 99       | 99     | 99     | 438       | 441     | 443     |                 |                 |                 |
| Hardness                 | mg/L     | 44       | 44     | 44     | 150.69    | 150.69  | 150.69  |                 |                 |                 |
| Nitrate-Nitrite          | mg/L     | 0.62     | 0.62   | 0.62   | 0.32      | 0.32    | 0.32    |                 |                 |                 |
| Oil and Grease           | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | <MDL    | <MDL    |                 |                 |                 |
| pH                       | su       | 6.7      | 6.7    | 6.7    | 6.8       | 6.9     | 7.1     |                 |                 |                 |
| Phosphate                | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | <MDL    | <MDL    |                 |                 |                 |
| ResidueFilterable-TDS    | mg/L     | 60       | 60     | 60     | 236       | 245     | 253     |                 |                 |                 |
| ResidueNonFilterable-TSS | mg/L     | 16       | 16     | 16     | 1         | 19      | 36      |                 |                 |                 |
| SAR                      |          | 0.29     | 0.29   | 0.29   | 1.85      | 1.85    | 1.85    |                 |                 |                 |
| Sulfate                  | mg/L     | <MDL     | <MDL   | <MDL   | 60.51     | 60.51   | 60.51   |                 |                 |                 |
| Aluminum (TREC)          | mg/L     | 0.98     | 0.98   | 0.98   | 0.039     | 0.039   | 0.039   |                 |                 |                 |
| Arsenic (TREC)           | mg/L     | <MDL     | <MDL   | <MDL   | 0.03      | 0.03    | 0.03    |                 |                 |                 |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL   | <MDL   | 0.01      | 0.01    | 0.01    |                 |                 |                 |
| Calcium (TREC)           | mg/L     | 13.6     | 13.6   | 13.6   | 46        | 46      | 46      |                 |                 |                 |
| Copper (TREC)            | mg/L     | <MDL     | <MDL   | <MDL   | 0.01      | 0.01    | 0.01    |                 |                 |                 |
| Iron (TREC)              | mg/L     | 0.88     | 0.88   | 0.88   | 0.15      | 0.56    | 0.97    |                 |                 |                 |
| Lead (TREC)              | mg/L     | <MDL     | <MDL   | <MDL   | 0.03      | 0.03    | 0.03    |                 |                 |                 |
| Magnesium (TREC)         | mg/L     | 2.4      | 2.4    | 2.4    | 8.7       | 8.7     | 8.7     |                 |                 |                 |
| Manganese (TREC)         | mg/L     | 0.03     | 0.03   | 0.03   | 0.020     | 0.026   | 0.032   |                 |                 |                 |
| Mercury (TREC)           | mg/L     | 0.0002   | 0.0002 | 0.0002 | 0.00006   | 0.00006 | 0.00006 |                 |                 |                 |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL   | <MDL   | 0.005     | 0.005   | 0.005   |                 |                 |                 |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL   | <MDL   | 0.008     | 0.008   | 0.008   |                 |                 |                 |
| Sodium (TREC)            | mg/L     | 4.5      | 4.5    | 4.5    | 52.9      | 52.9    | 52.9    |                 |                 |                 |
| Zinc (TREC)              | mg/L     | <MDL     | <MDL   | <MDL   | 0.005     | 0.005   | 0.005   |                 |                 |                 |

The monitoring point for S-4 is located along an unmarked road in an un-named gulch leading down from the broad ridge that separates Sheep Corral and Freeman Gulches from Terror Creek. This spring feeds P-4.

\* Site not accessible 1Q

Baseline Information for Point S-4 is derived from events beginning on 6/12/95 through 1/15/01.  
Point influenced by mining on 1/15/01.

Plot of Flow and Conductivity



S-4a  
Terror Creek - Spring 4a  
Elevation - 7910

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 11/9/1995 | 11/9/1995 | 11/9/1995 |
| Activated | 1/15/2001 | 1/15/2001 | 1/15/2001 |
| Date      | 11/9/2022 | 9/28/2022 | 5/11/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |         |         | *               |     |                 |
|--------------------------|----------|----------|-------|-------|-----------|---------|---------|-----------------|-----|-----------------|
|                          |          | Min      | Ave   | Max   | Min       | Ave     | Max     |                 |     |                 |
| Flow                     | GPM      | 0.30     | 0.72  | 1.88  | 0.00      | 0.51    | 1.50    |                 | Dry | Damp -          |
| FieldComment             |          |          |       |       |           |         |         | No visible flow |     | No visible flow |
| ph                       | su       | 7.2      | 7.8   | 8.5   | 6.3       | 7.5     | 8.1     |                 |     |                 |
| Conductivity             | umhos/cm | 200      | 239   | 280   | 200       | 280     | 389     |                 |     |                 |
| Temperature              | Celsius  | 2.4      | 7.4   | 14.2  | 4.3       | 6.6     | 15.0    |                 |     |                 |
| Lab Parameters           | UNITS    |          |       |       |           |         |         |                 |     |                 |
| Bicarbonate              | mg/L     | 146      | 146   | 146   | 204.9     | 204.9   | 204.9   |                 |     |                 |
| Chloride                 | mg/L     | 2        | 2     | 2     | 47.15     | 47.15   | 47.15   |                 |     |                 |
| Conductivity             | umhos/cm | 289      | 289   | 289   | 313       | 321     | 330     |                 |     |                 |
| Hardness                 | mg/L     | 125      | 125   | 125   | 131.95    | 131.95  | 131.95  |                 |     |                 |
| Nitrate-Nitrite          | mg/L     | 0.16     | 0.16  | 0.16  | 0.31      | 0.31    | 0.31    |                 |     |                 |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL    | <MDL    |                 |     |                 |
| pH                       | su       | 7.30     | 7.30  | 7.30  | 7.1       | 7.3     | 7.5     |                 |     |                 |
| Phosphate                | mg/L     | 0.08     | 0.08  | 0.08  | <MDL      | <MDL    | <MDL    |                 |     |                 |
| ResidueFilterable-TDS    | mg/L     | 200      | 200   | 200   | 196       | 226     | 263     |                 |     |                 |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | <MDL  | <MDL  | 2         | 27      | 48      |                 |     |                 |
| SAR                      |          | 0.49     | 0.49  | 0.49  | 0.658     | 0.658   | 0.658   |                 |     |                 |
| Sulfate                  | mg/L     | 13       | 13    | 13    | 14.41     | 14.41   | 14.41   |                 |     |                 |
| Aluminum (TREC)          | mg/L     | 0.88     | 0.88  | 0.88  | 0.023     | 0.023   | 0.023   |                 |     |                 |
| Arsenic (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.005     | 0.005   | 0.005   |                 |     |                 |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.006     | 0.006   | 0.006   |                 |     |                 |
| Calcium (TREC)           | mg/L     | 43.10    | 43.10 | 43.10 | 44.4      | 44.4    | 44.4    |                 |     |                 |
| Copper (TREC)            | mg/L     | <MDL     | <MDL  | <MDL  | 0.002     | 0.002   | 0.002   |                 |     |                 |
| Iron (TREC)              | mg/L     | 1.23     | 1.23  | 1.23  | 0.08      | 0.54    | 1.24    |                 |     |                 |
| Lead (TREC)              | mg/L     | <MDL     | <MDL  | <MDL  | 0.03      | 0.03    | 0.03    |                 |     |                 |
| Magnesium (TREC)         | mg/L     | 4.30     | 4.30  | 4.30  | 5.12      | 5.12    | 5.12    |                 |     |                 |
| Manganese (TREC)         | mg/L     | 0.02     | 0.02  | 0.02  | 0.01      | 0.02    | 0.03    |                 |     |                 |
| Mercury (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.00008   | 0.00008 | 0.00008 |                 |     |                 |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL  | <MDL  | 0.007     | 0.007   | 0.007   |                 |     |                 |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL  | <MDL  | 0.008     | 0.008   | 0.008   |                 |     |                 |
| Sodium (TREC)            | mg/L     | 12.5     | 12.5  | 12.5  | 17.6      | 17.6    | 17.6    |                 |     |                 |
| Zinc (TREC)              | mg/L     | 0.03     | 0.03  | 0.03  | 0.006     | 0.006   | 0.006   |                 |     |                 |

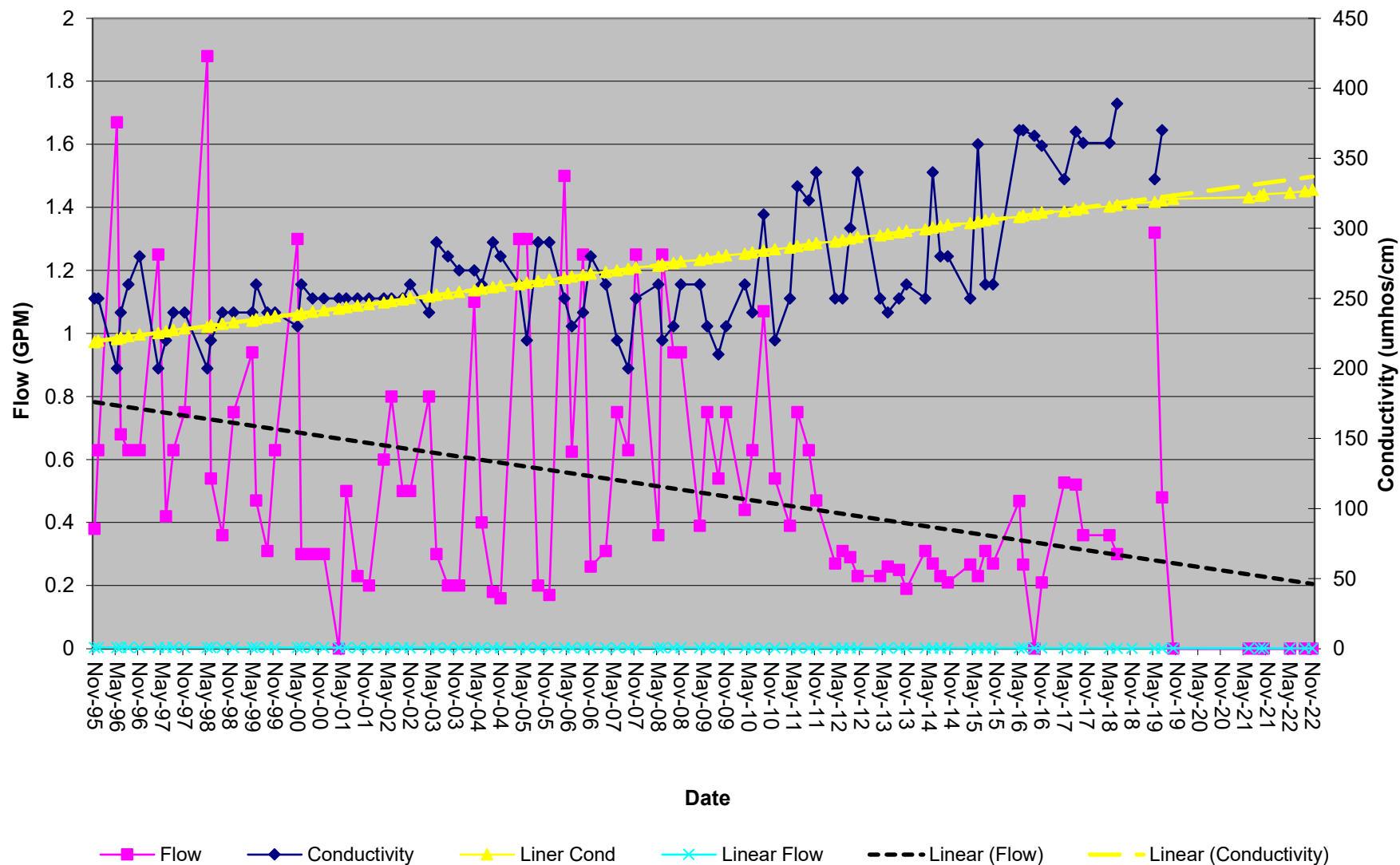
\* Site not accessible 1Q

The monitoring point for S-4a is located along an unmarked road in an un-named gulch leading down from the broad ridge that separates Sheep Corral and Freeman Gulches from Terror Creek. This spring feeds P-4.

Baseline Information for Point S-4a is derived from events beginning on 11/9/95 through 1/15/01.  
Point influenced by mining on 1/15/01.



Plot of Flow and Conductivity



S-5  
Sheep Corral - Spring 5  
Elevation - 7800

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/12/1995 | 6/12/1995 | 6/12/1995 |
| Activated | 12/1/2001 | 12/1/2001 | 12/1/2001 |
| Date      | 11/9/2022 | 8/22/2022 | 5/11/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |         |         |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|---------|---------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave     | Max     |     |     |     |
| Flow                     | GPM      | 0.00     | 0.27  | 0.80  | 0.00      | 0.22    | 3.00    | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |         |         | Dry | Dry | Dry |
| ph                       | su       | 7.2      | 7.6   | 8.1   | 7.1       | 7.4     | 8.4     |     |     |     |
| Conductivity             | umhos/cm | 190      | 332   | 400   | 310       | 359     | 430     |     |     |     |
| Temperature              | Celsius  | 4.0      | 7.2   | 11.8  | 5.0       | 6.6     | 8.9     |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |         |         |     |     |     |
| Bicarbonate              | mg/L     | 188      | 191   | 193   | 203.5     | 203.5   | 203.5   |     |     |     |
| Chloride                 | mg/L     | 2        | 2     | 2     | 32.26     | 32.26   | 32.26   |     |     |     |
| Conductivity             | umhos/cm | 406      | 407   | 407   | 414       | 414     | 414     |     |     |     |
| Hardness                 | mg/L     | 113      | 118   | 123   | 132.93    | 132.93  | 132.93  |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.08  | 0.15  | 0.31      | 0.31    | 0.31    |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL    | <MDL    |     |     |     |
| pH                       | su       | 6.90     | 7.00  | 7.10  | 7.08      | 7.08    | 7.08    |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL    | <MDL    |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 220      | 225   | 230   | 268       | 268     | 268     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 14    | 28    | 6         | 6       | 6       |     |     |     |
| SAR                      |          | 1.51     | 1.52  | 1.53  | 1.78      | 1.78    | 1.78    |     |     |     |
| Sulfate                  | mg/L     | 17       | 23    | 29    | 33.75     | 33.75   | 33.75   |     |     |     |
| Aluminum (TREC)          | mg/L     | <MDL     | 0.16  | 0.32  | 0.028     | 0.028   | 0.028   |     |     |     |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.001 | 0.001 | 0.006     | 0.006   | 0.006   |     |     |     |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.008     | 0.008   | 0.008   |     |     |     |
| Calcium (TREC)           | mg/L     | 34.00    | 35.55 | 37.10 | 40.9      | 40.9    | 40.9    |     |     |     |
| Copper (TREC)            | mg/L     | <MDL     | <MDL  | <MDL  | 0.002     | 0.002   | 0.002   |     |     |     |
| Iron (TREC)              | mg/L     | <MDL     | 0.32  | 0.64  | 0.05      | 0.05    | 0.05    |     |     |     |
| Lead (TREC)              | mg/L     | <MDL     | <MDL  | <MDL  | 0.03      | 0.03    | 0.03    |     |     |     |
| Magnesium (TREC)         | mg/L     | 6.70     | 7.00  | 7.30  | 7.48      | 7.48    | 7.48    |     |     |     |
| Manganese (TREC)         | mg/L     | 0.017    | 0.027 | 0.037 | 0.003     | 0.003   | 0.003   |     |     |     |
| Mercury (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.00006   | 0.00006 | 0.00006 |     |     |     |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL  | <MDL  | 0.011     | 0.011   | 0.011   |     |     |     |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL  | <MDL  | 0.012     | 0.012   | 0.012   |     |     |     |
| Sodium (TREC)            | mg/L     | 36.50    | 37.45 | 38.40 | 47.8      | 47.8    | 47.8    |     |     |     |
| Zinc (TREC)              | mg/L     | <MDL     | 0.005 | 0.010 | 0.006     | 0.006   | 0.006   |     |     |     |

\* Site not accessible 1Q

The monitoring point location for S-5 is located along an unmapped road which leads down an un-named gulch which leads into Sheep Corral Gulch. This spring feeds Pond 5.

Baseline Information for Point S-5 is derived from events beginning on 6/12/95 through 12/1/01.  
Point influenced by mining on 12/1/01.

S-5a  
Sheep Corral - Spring 5A  
Elevation - 7860

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 6/12/1995  | 6/12/1995 | 6/12/1995 |
| Activated | 12/1/2001  | 12/1/2001 | 12/1/2001 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |        | Operation |      |      |     |     |     |
|--------------------------|----------|----------|--------|--------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave    | Max    | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.13     | 0.89   | 4.30   | 0.00      | 0.24 | 3.00 | 0   | 0   | 0   |
| FieldComment             |          |          |        |        |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 6.9      | 7.4    | 8.0    | 7.0       | 7.3  | 8.3  |     |     |     |
| Conductivity             | umhos/cm | 160      | 301    | 400    | 340       | 386  | 448  |     |     |     |
| Temperature              | Celsius  | 4.0      | 6.7    | 9.1    | 5.1       | 6.6  | 7.8  |     |     |     |
| Lab Parameters           | UNITS    |          |        |        |           |      |      |     |     |     |
| Bicarbonate              | mg/L     | 184.00   | 185.00 | 186.00 |           |      |      |     |     |     |
| Chloride                 | mg/L     | 2.00     | 2.00   | 2.00   |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 388      | 391    | 393    |           |      |      |     |     |     |
| Hardness                 | mg/L     | 125.00   | 128.00 | 131.00 |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.03   | 0.05   |           |      |      |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| pH                       | su       | 6.90     | 7.40   | 7.90   |           |      |      |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 190.00   | 205.00 | 220.00 |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 17.00  | 34.00  |           |      |      |     |     |     |
| SAR                      |          | 1.10     | 1.11   | 1.12   |           |      |      |     |     |     |
| Sulfate                  | mg/L     | 21.00    | 25.00  | 29.00  |           |      |      |     |     |     |
| Aluminum                 | mg/L     | <MDL     | 0.34   | 0.69   |           |      |      |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Calcium                  | mg/L     | 37.80    | 38.70  | 39.60  |           |      |      |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Iron (Total)             | mg/L     | 0.02     | 0.48   | 0.95   |           |      |      |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Magnesium                | mg/L     | 7.50     | 7.70   | 7.90   |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     | <MDL     | 0.019  | 0.037  |           |      |      |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Selenium                 | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Sodium                   | mg/L     | 28.10    | 28.60  | 29.10  |           |      |      |     |     |     |
| Zinc                     | mg/L     | 0.02     | 0.02   | 0.02   |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point location for S-5a is located along an unmapped road which is down an un-named gulch which leads into Sheep Corral Gulch. This spring feeds Pond 5.

Baseline Information for Point S-5a is derived from events beginning on 9/27/95 through 12/1/01.  
Point influenced by mining on 12/1/01.

S-5b  
Sheep Corral - Spring 5B  
Elevation - 7860

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 6/12/1995  | 6/12/1995 | 6/12/1995 |
| Activated | 12/1/2001  | 12/1/2001 | 12/1/2001 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |     |     | Operation |         |         |      |      |        |
|--------------------------|----------|----------|-----|-----|-----------|---------|---------|------|------|--------|
|                          |          | Min      | Ave | Max | Min       | Ave     | Max     |      |      |        |
| Flow                     | GPM      |          |     |     | 0.01      | 0.56    | 2.90    | 0.19 | 0.21 | 0.0052 |
| FieldComment             |          |          |     |     |           |         |         |      |      |        |
| ph                       | su       |          |     |     | 7.0       | 8.0     | 8.9     | 8.6  | 8.3  | 8.5    |
| Conductivity             | umhos/cm |          |     |     | 400       | 529     | 701     | 701  | 604  | 584    |
| Temperature              | Celsius  |          |     |     | 4.4       | 8.2     | 13.6    | 4.4  | 12.8 | 13.6   |
| Lab Parameters           | UNITS    |          |     |     |           |         |         |      |      |        |
| Bicarbonate              | mg/L     |          |     |     | 277.8     | 277.8   | 277.8   |      |      |        |
| Chloride                 | mg/L     |          |     |     | 22.33     | 22.33   | 22.33   |      |      |        |
| Conductivity             | umhos/cm |          |     |     | 541       | 562     | 580     |      |      |        |
| Hardness                 | mg/L     |          |     |     | 114.78    | 114.78  | 114.78  |      |      |        |
| Nitrate-Nitrite          | mg/L     |          |     |     | 0.32      | 0.32    | 0.32    |      |      |        |
| Oil and Grease           | mg/L     |          |     |     | <MDL      | <MDL    | <MDL    |      |      |        |
| pH                       | su       |          |     |     | 7.30      | 7.54    | 7.77    |      |      |        |
| Phosphate                | mg/L     |          |     |     | <MDL      | <MDL    | <MDL    |      |      |        |
| ResidueFilterable-TDS    | mg/L     |          |     |     | 312       | 353     | 406     |      |      |        |
| ResidueNonFilterable-TSS | mg/L     |          |     |     | 14        | 30      | 60      |      |      |        |
| SAR                      |          |          |     |     | 3.62      | 3.62    | 3.62    |      |      |        |
| Sulfate                  | mg/L     |          |     |     | 41.98     | 41.98   | 41.98   |      |      |        |
| Aluminum (TREC)          | mg/L     |          |     |     | 0.034     | 0.034   | 0.034   |      |      |        |
| Arsenic (TREC)           | mg/L     |          |     |     | 0.055     | 0.055   | 0.055   |      |      |        |
| Cadmium (TREC)           | mg/L     |          |     |     | 0.01      | 0.01    | 0.01    |      |      |        |
| Calcium (TREC)           | mg/L     |          |     |     | 33.4      | 33.4    | 33.4    |      |      |        |
| Copper (TREC)            | mg/L     |          |     |     | 0.01      | 0.01    | 0.01    |      |      |        |
| Iron (TREC)              | mg/L     |          |     |     | 0.24      | 0.51    | 0.81    |      |      |        |
| Lead (TREC)              | mg/L     |          |     |     | 0.02      | 0.02    | 0.02    |      |      |        |
| Magnesium (TREC)         | mg/L     |          |     |     | 7.62      | 7.62    | 7.62    |      |      |        |
| Manganese (TREC)         | mg/L     |          |     |     | 0.083     | 0.118   | 0.180   |      |      |        |
| Mercury (TREC)           | mg/L     |          |     |     | 0.00004   | 0.00004 | 0.00004 |      |      |        |
| Molybdenum (TREC)        | mg/L     |          |     |     | 0.013     | 0.013   | 0.013   |      |      |        |
| Selenium (TREC)          | mg/L     |          |     |     | 0.004     | 0.004   | 0.004   |      |      |        |
| Sodium (TREC)            | mg/L     |          |     |     | 90.5      | 90.5    | 90.5    |      |      |        |
| Zinc (TREC)              | mg/L     |          |     |     | 0.005     | 0.005   | 0.005   |      |      |        |

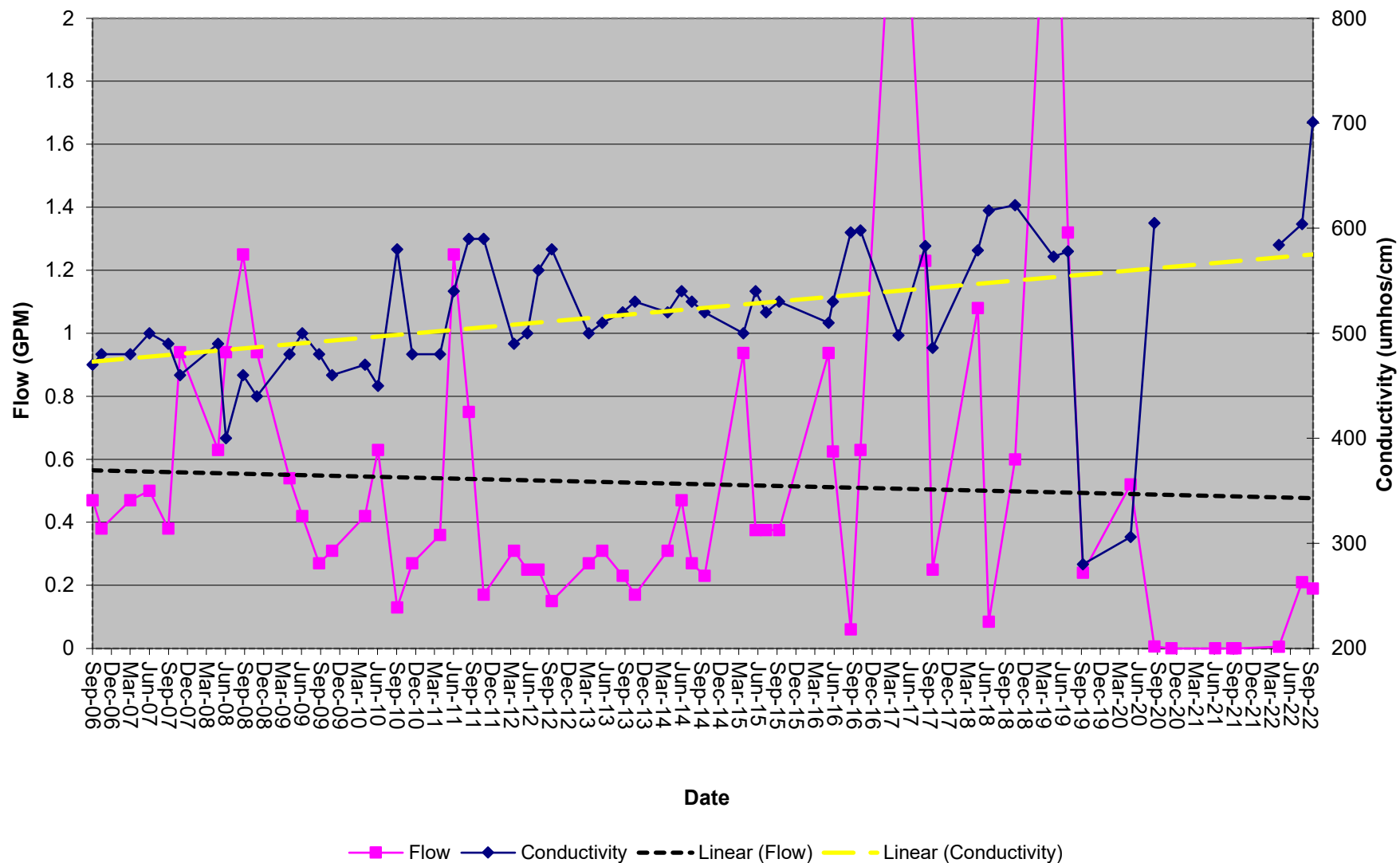
The area of concern for monitoring point S-5b was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered Operational.

The monitoring point location for S-5b is located along an unmapped road which is down an un-named gulch which leads into Sheep Corral Gulch. It is located across the draw from Springs 5 and 5a to the west.

\* Site not accessible 1Q

There is no baseline information collection possible for points initiated after the influence of mining.

Plot of Flow and Conductivity



S-8  
C Gulch - Spring 8  
Elevation - 7220

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 6/12/1995  | 6/12/1995 | 6/12/1995 |
| Activated | 11/1/2002  | 11/1/2002 | 11/1/2002 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.00     | 0.08  | 2.50  | 0.00      | 0.00 | 0.00 | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 6.90     | 6.90  | 6.90  |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 1380     | 1380  | 1380  |           |      |      |     |     |     |
| Temperature              | Celsius  | 13.70    | 13.70 | 13.70 |           |      |      |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |     |     |
| Bicarbonate              | mg/L     |          |       |       |           |      |      |     |     |     |
| Chloride                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Conductivity             | umhos/cm |          |       |       |           |      |      |     |     |     |
| Hardness                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |       |       |           |      |      |     |     |     |
| Oil and Grease           | mg/L     |          |       |       |           |      |      |     |     |     |
| pH                       | su       |          |       |       |           |      |      |     |     |     |
| Phosphate                | mg/L     |          |       |       |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |       |       |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |       |       |           |      |      |     |     |     |
| SAR                      |          |          |       |       |           |      |      |     |     |     |
| Sulfate                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Aluminum                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Arsenic                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Cadmium                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Calcium                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Copper                   | mg/L     |          |       |       |           |      |      |     |     |     |
| Iron (Total)             | mg/L     |          |       |       |           |      |      |     |     |     |
| Lead                     | mg/L     |          |       |       |           |      |      |     |     |     |
| Magnesium                | mg/L     |          |       |       |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     |          |       |       |           |      |      |     |     |     |
| Mercury                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Molybdenum               | mg/L     |          |       |       |           |      |      |     |     |     |
| Selenium                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Sodium                   | mg/L     |          |       |       |           |      |      |     |     |     |
| Zinc                     | mg/L     |          |       |       |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point for S-8 is located just above the mine portal road which crosses over the mine portals on the utility bench of the mi

Baseline Information for Point S-8 is derived from events beginning on 6/12/95 through 11/1/02.  
Point influenced by mining on 11/1/02.

S-10  
Stevens Draw - Spring 10  
Elevation - 7550

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/12/1995  | 7/12/1995 | 7/12/1995 |
| Activated | 11/1/2002  | 11/1/2002 | 11/1/2002 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.00     | 0.17  | 2.50  | 0.00      | 0.00 | 0.00 | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 8.40     | 8.50  | 8.60  |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 620      | 640   | 660   |           |      |      |     |     |     |
| Temperature              | Celsius  | 19.80    | 21.10 | 22.40 |           |      |      |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |     |     |
| Bicarbonate              | mg/L     |          |       |       |           |      |      |     |     |     |
| Chloride                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Conductivity             | umhos/cm |          |       |       |           |      |      |     |     |     |
| Hardness                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |       |       |           |      |      |     |     |     |
| Oil and Grease           | mg/L     |          |       |       |           |      |      |     |     |     |
| pH                       | su       |          |       |       |           |      |      |     |     |     |
| Phosphate                | mg/L     |          |       |       |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |       |       |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |       |       |           |      |      |     |     |     |
| SAR                      |          |          |       |       |           |      |      |     |     |     |
| Sulfate                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Aluminum                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Arsenic                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Cadmium                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Calcium                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Copper                   | mg/L     |          |       |       |           |      |      |     |     |     |
| Iron (Total)             | mg/L     |          |       |       |           |      |      |     |     |     |
| Lead                     | mg/L     |          |       |       |           |      |      |     |     |     |
| Magnesium                | mg/L     |          |       |       |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     |          |       |       |           |      |      |     |     |     |
| Mercury                  | mg/L     |          |       |       |           |      |      |     |     |     |
| Molybdenum               | mg/L     |          |       |       |           |      |      |     |     |     |
| Selenium                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Sodium                   | mg/L     |          |       |       |           |      |      |     |     |     |
| Zinc                     | mg/L     |          |       |       |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point for S-10 is located along the Stevens Draw road and is located on the lower side of the road.

Baseline Information for Point S-10 is derived from events beginning on 7/12/95 through 11/1/02.  
Point influenced by mining on 11/1/02.

S-11  
Stevens Draw - Spring 11  
Elevation - 7940

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/12/1995  | 7/12/1995 | 7/12/1995 |
| Activated | 1/15/2001  | 1/15/2001 | 1/15/2001 |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |      |      |     |     |     |
|--------------------------|----------|----------|------|------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave  | Max  | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.00     | 0.00 | 0.00 | 0.00      | 0.06 | 4.00 | 0   | 0   | 0   |
| FieldComment             |          |          |      |      |           |      |      | Dry | Dry | Dry |
| ph                       | su       |          |      |      | 7.6       | 7.6  | 7.6  |     |     |     |
| Conductivity             | umhos/cm |          |      |      | 160       | 160  | 160  |     |     |     |
| Temperature              | Celsius  |          |      |      | 7.7       | 7.7  | 7.7  |     |     |     |
| Lab Parameters           | UNITS    |          |      |      |           |      |      |     |     |     |
| Bicarbonate              | mg/L     |          |      |      |           |      |      |     |     |     |
| Chloride                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Conductivity             | umhos/cm |          |      |      |           |      |      |     |     |     |
| Hardness                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |      |      |           |      |      |     |     |     |
| Oil and Grease           | mg/L     |          |      |      |           |      |      |     |     |     |
| pH                       | su       |          |      |      |           |      |      |     |     |     |
| Phosphate                | mg/L     |          |      |      |           |      |      |     |     |     |
| ResidueFilterable -TDS   | mg/L     |          |      |      |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |      |      |           |      |      |     |     |     |
| SAR                      |          |          |      |      |           |      |      |     |     |     |
| Sulfate                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Aluminum                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Arsenic                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Cadmium                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Calcium                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Copper                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Iron (Total)             | mg/L     |          |      |      |           |      |      |     |     |     |
| Lead                     | mg/L     |          |      |      |           |      |      |     |     |     |
| Magnesium                | mg/L     |          |      |      |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     |          |      |      |           |      |      |     |     |     |
| Mercury                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Molybdenum               | mg/L     |          |      |      |           |      |      |     |     |     |
| Selenium                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Sodium                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Zinc                     | mg/L     |          |      |      |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point for S-11 is located along the Stevens Draw road and is located on the lower side of the road.

Baseline Information for Point S-11 is derived from events beginning on 7/12/95 through 1/15/01.  
Point influenced by mining on 1/15/01.



S-12  
B Gulch - Spring 12  
Elevation - 7650

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/12/1995  | 7/12/1995 | 7/12/1995 |
| Activated | 7/1/2004   | 7/1/2004  | 7/1/2004  |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters          | UNITS    | Baseline |      |      | Operation |      |      |     |     |     |
|---------------------------|----------|----------|------|------|-----------|------|------|-----|-----|-----|
|                           |          | Min      | Ave  | Max  | Min       | Ave  | Max  |     |     |     |
| Flow                      | GPM      | 0.00     | 0.00 | 0.00 | 0.00      | 0.00 | 0.00 | 0   | 0   | 0   |
| FieldComment              |          |          |      |      |           |      |      | Dry | Dry | Dry |
| ph                        | su       |          |      |      |           |      |      |     |     |     |
| Conductivity              | umhos/cm |          |      |      |           |      |      |     |     |     |
| Temperature               | Celsius  |          |      |      |           |      |      |     |     |     |
| Lab Parameters            | UNITS    |          |      |      |           |      |      |     |     |     |
| Bicarbonate               | mg/L     |          |      |      |           |      |      |     |     |     |
| Chloride                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Conductivity              | umhos/cm |          |      |      |           |      |      |     |     |     |
| Hardness                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Nitrate-Nitrite           | mg/L     |          |      |      |           |      |      |     |     |     |
| Oil and Grease            | mg/L     |          |      |      |           |      |      |     |     |     |
| pH                        | su       |          |      |      |           |      |      |     |     |     |
| Phosphate                 | mg/L     |          |      |      |           |      |      |     |     |     |
| ResidueFilterable-TDS     | mg/L     |          |      |      |           |      |      |     |     |     |
| ResidueNonFilterable -TSS | mg/L     |          |      |      |           |      |      |     |     |     |
| SAR                       |          |          |      |      |           |      |      |     |     |     |
| Sulfate                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Aluminum                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Arsenic                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Cadmium                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Calcium                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Copper                    | mg/L     |          |      |      |           |      |      |     |     |     |
| Iron (Total)              | mg/L     |          |      |      |           |      |      |     |     |     |
| Lead                      | mg/L     |          |      |      |           |      |      |     |     |     |
| Magnesium                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Manganese (Total)         | mg/L     |          |      |      |           |      |      |     |     |     |
| Mercury                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Molybdenum                | mg/L     |          |      |      |           |      |      |     |     |     |
| Selenium                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Sodium                    | mg/L     |          |      |      |           |      |      |     |     |     |
| Zinc                      | mg/L     |          |      |      |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point for S-12 is located along a switchback road that ascends the southern facing exposure of the canyon wall of the Nor Fork of the Gunnison River. The road leads to the broad ridge which separates the Hubbard Creek and Terror Creek drainage systems.

Baseline Information for Point S-12 is derived from events beginning on 7/12/95 through 7/1/04.  
Point Influenced by mining on 7/1/04.

S-13  
Freeman Gulch - Spring 13  
Elevation - 7500

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 9/27/1995  | 9/27/1995  | 9/27/1995  |
| Activated | 11/18/1999 | 11/18/1999 | 11/18/1999 |
| Date      | 11/9/2022  | 8/22/2022  | 5/2/2022   |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |      |      |     |     |     |
|--------------------------|----------|----------|------|------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave  | Max  | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.00     | 0.01 | 0.27 | 0.00      | 0.01 | 0.94 | 0   | 0   | 0   |
| FieldComment             |          |          |      |      |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 8.2      | 8.2  | 8.2  |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 300      | 300  | 300  |           |      |      |     |     |     |
| Temperature              | Celsius  | 10.0     | 10.0 | 10.0 |           |      |      |     |     |     |
| Lab Parameters           | UNITS    |          |      |      |           |      |      |     |     |     |
| Bicarbonate              | mg/L     |          |      |      |           |      |      |     |     |     |
| Chloride                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Conductivity             | umhos/cm |          |      |      |           |      |      |     |     |     |
| Hardness                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |      |      |           |      |      |     |     |     |
| Oil and Grease           | mg/L     |          |      |      |           |      |      |     |     |     |
| pH                       | su       |          |      |      |           |      |      |     |     |     |
| Phosphate                | mg/L     |          |      |      |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |      |      |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |      |      |           |      |      |     |     |     |
| SAR                      |          |          |      |      |           |      |      |     |     |     |
| Sulfate                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Aluminum                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Arsenic                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Cadmium                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Calcium                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Copper                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Iron (Total)             | mg/L     |          |      |      |           |      |      |     |     |     |
| Lead                     | mg/L     |          |      |      |           |      |      |     |     |     |
| Magnesium                | mg/L     |          |      |      |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     |          |      |      |           |      |      |     |     |     |
| Mercury                  | mg/L     |          |      |      |           |      |      |     |     |     |
| Molybdenum               | mg/L     |          |      |      |           |      |      |     |     |     |
| Selenium                 | mg/L     |          |      |      |           |      |      |     |     |     |
| Sodium                   | mg/L     |          |      |      |           |      |      |     |     |     |
| Zinc                     | mg/L     |          |      |      |           |      |      |     |     |     |

\* Site not accessible 1Q

The monitoring point for S-13 is located along an old coal exploration road which eventually reaches Drillhole 13. This spring is located on the northern facing slopes of Freeman Gulch.

Baseline Information for Point S-13 is derived from events beginning on 9/27/95 through 11/18/99.  
Point influenced by mining on 11/18/99.

S-14  
Stevens Draw - Spring 14  
Elevation - 7100

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 9/27/1995  | 9/27/1995 | 9/27/1995 |
| Activated |            |           |           |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |     |     |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|-----|-----|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave | Max |     |     |     |
| Flow                     | GPM      | 0.00     | 0.16  | 4.00  |           |     |     | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |     |     | Dry | Dry | Dry |
| ph                       | su       | 7.6      | 8.1   | 8.6   |           |     |     |     |     |     |
| Conductivity             | umhos/cm | 1020     | 1124  | 1300  |           |     |     |     |     |     |
| Temperature              | Celsius  | 3.1      | 11.2  | 22.2  |           |     |     |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |     |     |     |     |     |
| Bicarbonate              | mg/L     | 472      | 472   | 472   |           |     |     |     |     |     |
| Chloride                 | mg/L     | 16       | 16    | 16    |           |     |     |     |     |     |
| Conductivity             | umhos/cm | 1220     | 1220  | 1220  |           |     |     |     |     |     |
| Hardness                 | mg/L     | 414      | 414   | 414   |           |     |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| pH                       | su       | 7.2      | 7.2   | 7.2   |           |     |     |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| ResidueFilterable -TDS   | mg/L     | 780      | 780   | 780   |           |     |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 22       | 22    | 22    |           |     |     |     |     |     |
| SAR                      |          | 2.55     | 2.55  | 2.55  |           |     |     |     |     |     |
| Sulfate                  | mg/L     | 209.0    | 209.0 | 209.0 |           |     |     |     |     |     |
| Aluminum                 | mg/L     | 0.24     | 0.24  | 0.24  |           |     |     |     |     |     |
| Arsenic                  | mg/L     | 0.002    | 0.002 | 0.002 |           |     |     |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Calcium                  | mg/L     | 80.1     | 80.1  | 80.1  |           |     |     |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Iron (Total)             | mg/L     | 1.68     | 1.68  | 1.68  |           |     |     |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Magnesium                | mg/L     | 51.9     | 51.9  | 51.9  |           |     |     |     |     |     |
| Manganese (Total)        | mg/L     | 0.184    | 0.184 | 0.184 |           |     |     |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Selenium                 | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |
| Sodium                   | mg/L     | 118      | 118   | 118   |           |     |     |     |     |     |
| Zinc                     | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |

The area of concern for monitoring point S-14 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The monitoring point for S-14 is located on a fork of the Stevens Draw road just above Pond 1. Spring seeps from the east bank of drainage along about 100' sections. (Hanna, 1995)

\* Site not accessible 1Q

Baseline Information Collection initiated on 9/27/95 and not yet considered complete.  
Point S-14 has not been influenced by mining.

S-16  
Terror Creek - Spring 16  
Elevation - 7750

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 10/11/1995 | 10/11/1995 | 10/11/1995 |
| Activated | 1/15/2001  | 1/15/2001  | 1/15/2001  |
| Date      | 11/9/2022  | 9/28/2022  | 5/11/2022  |

Summary Information

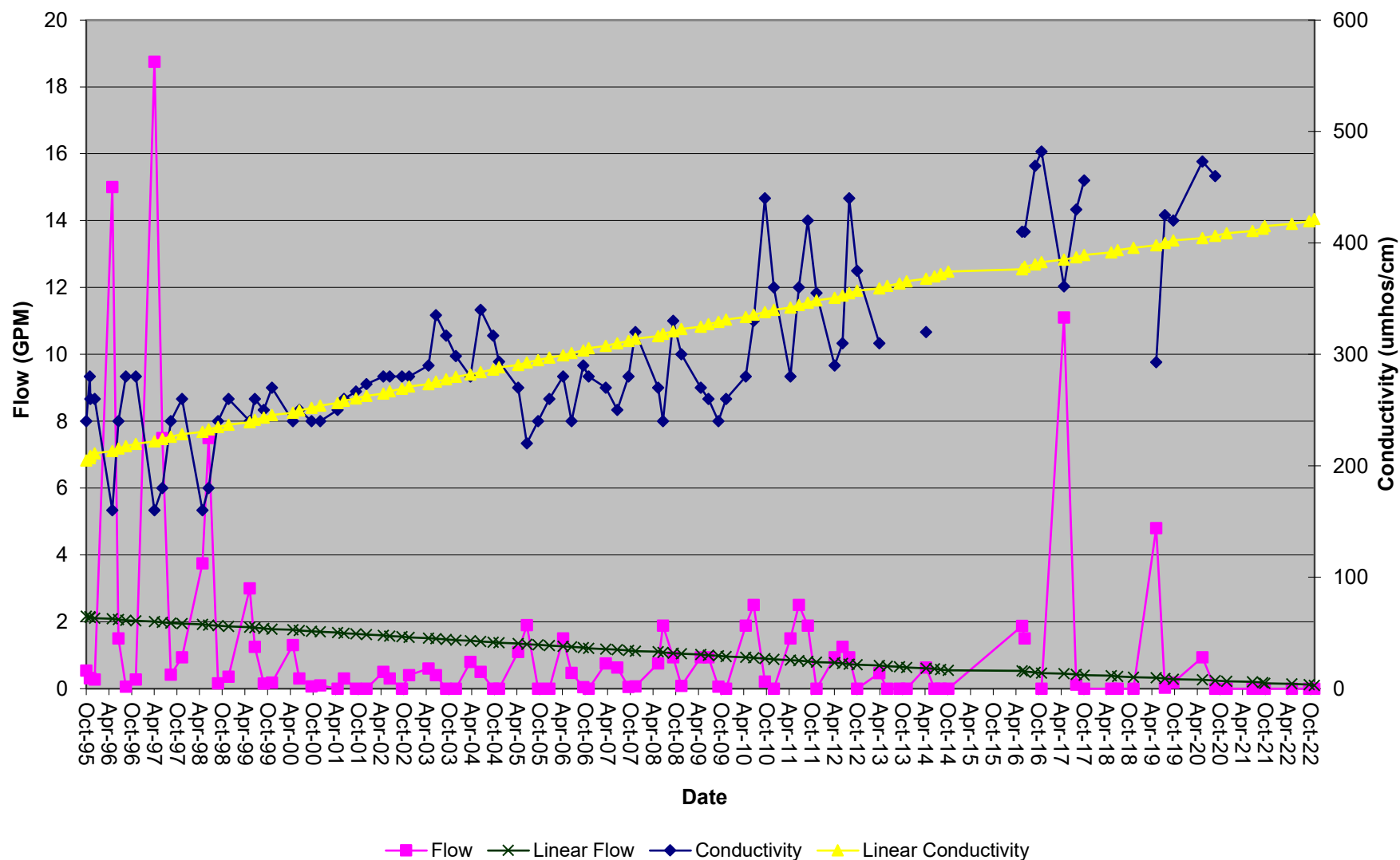
| Field Parameters         | UNITS    | Baseline |       |       | Operation |        |        |     |                 |     |
|--------------------------|----------|----------|-------|-------|-----------|--------|--------|-----|-----------------|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave    | Max    |     |                 |     |
| Flow                     | GPM      | 0.06     | 2.67  | 18.75 | 0.00      | 0.77   | 11.10  |     | Damp            |     |
| FieldComment             |          |          |       |       |           |        |        | Dry | No visible flow | Dry |
| ph                       | su       | 6.9      | 7.2   | 7.6   | 6.7       | 7.4    | 7.9    |     |                 |     |
| Conductivity             | umhos/cm | 160      | 236   | 280   | 220       | 331    | 482    |     |                 |     |
| Temperature              | Celsius  | 4.5      | 7.0   | 12.0  | 5.2       | 7.0    | 12.8   |     |                 |     |
| Lab Parameters           | UNITS    |          |       |       |           |        |        |     |                 |     |
| Bicarbonate              | mg/L     | 107      | 129   | 159   | 140.0     | 170.6  | 193.8  |     |                 |     |
| Chloride                 | mg/L     | <MDL     | 2     | 5     | 1.70      | 13.57  | 37.22  |     |                 |     |
| Conductivity             | umhos/cm | 230      | 260   | 296   | 242       | 353    | 449    |     |                 |     |
| Hardness                 | mg/L     | 59       | 93    | 114   | 76.80     | 103.17 | 117.72 |     |                 |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.10  | 0.24  | <MDL      | 0.31   | 0.31   |     |                 |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |                 |     |
| pH                       | su       | 6.4      | 6.9   | 7.5   | 6.69      | 7.06   | 7.63   |     |                 |     |
| Phosphate                | mg/L     | <MDL     | 0.07  | 0.33  | <MDL      | <MDL   | <MDL   |     |                 |     |
| ResidueFilterable-TDS    | mg/L     | 140      | 164   | 190   | 169       | 223    | 284    |     |                 |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 2     | 8     | 2         | 13     | 31     |     |                 |     |
| SAR                      |          | 0.60     | 0.70  | 0.75  | 1.30      | 1.35   | 1.42   |     |                 |     |
| Sulfate                  | mg/L     | <MDL     | 3.4   | 12.0  | 18.30     | 25.53  | 38.69  |     |                 |     |
| Aluminum (TREC)          | mg/L     | 0.03     | 0.07  | 0.17  | 0.017     | 0.098  | 0.179  |     |                 |     |
| Arsenic (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.005     | 0.005  | 0.005  |     |                 |     |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | 0.007     | 0.007  | 0.007  |     |                 |     |
| Calcium (TREC)           | mg/L     | 18.2     | 28.7  | 35.1  | 23.5      | 31.7   | 35.9   |     |                 |     |
| Copper (TREC)            | mg/L     | <MDL     | 0.002 | 0.010 | <MDL      | 0.003  | 0.003  |     |                 |     |
| Iron (TREC)              | mg/L     | 0.03     | 0.15  | 0.49  | 0.02      | 0.18   | 0.42   |     |                 |     |
| Lead (TREC)              | mg/L     | <MDL     | <MDL  | <MDL  | 0.02      | 0.02   | 0.02   |     |                 |     |
| Magnesium (TREC)         | mg/L     | 3.2      | 5.3   | 6.5   | <MDL      | 5.81   | 6.94   |     |                 |     |
| Manganese (TREC)         | mg/L     | <MDL     | 0.005 | 0.017 | <MDL      | 0.013  | 0.030  |     |                 |     |
| Mercury (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.0001 | 0.0001 |     |                 |     |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.009  | 0.009  |     |                 |     |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.002  | 0.002  |     |                 |     |
| Sodium (TREC)            | mg/L     | 10.5     | 15.4  | 18.2  | 23.9      | 31.0   | 36.1   |     |                 |     |
| Zinc (TREC)              | mg/L     | <MDL     | 0.01  | 0.02  | <MDL      | 0.007  | 0.007  |     |                 |     |

\* Site not accessible 1Q

The monitoring point for S-16 is located on an un-mapped road in an un-named gulch which discharges eventually into Terror Creek. The flow from S-16 contributes to Pond 3, which is just below it.

Baseline Information for Point S-16 is derived from events beginning on 10/11/95 through 1/15/02.  
Point influenced by mining on 1/15/01.

Plot of Flow and Conductivity



S-17  
Freeman Gulch - Spring 17  
Elevation - 7110

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 5/9/1996  | 5/9/1996  | 5/9/1996  |
| Activated | 12/7/2000 | 12/7/2000 | 12/7/2000 |
| Date      | 11/8/2022 | 9/7/2022  | 5/11/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |        | Operation |      |      |     |     |     |
|--------------------------|----------|----------|--------|--------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave    | Max    | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.00     | 2.11   | 20.00  | 0.00      | 0.00 | 0.00 | 0   | 0   | 0   |
| FieldComment             |          |          |        |        |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 8.40     | 8.61   | 8.80   |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 480.00   | 532.50 | 580.00 |           |      |      |     |     |     |
| Temperature              | Celsius  | 8.40     | 16.33  | 25.00  |           |      |      |     |     |     |
| Lab Parameters           | UNITS    |          |        |        |           |      |      |     |     |     |
| Bicarbonate              | mg/L     | 266.00   | 280.25 | 298.00 |           |      |      |     |     |     |
| Chloride                 | mg/L     | 2.00     | 2.50   | 3.00   |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 511.00   | 538.25 | 586.00 |           |      |      |     |     |     |
| Hardness                 | mg/L     | 177.00   | 200.00 | 216.00 |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.02   | 0.04   |           |      |      |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| pH                       | su       | 8.10     | 8.25   | 8.40   |           |      |      |     |     |     |
| Phosphate                | mg/L     | <MDL     | 0.01   | 0.03   |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 300.00   | 342.50 | 380.00 |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 72.00  | 134.00 |           |      |      |     |     |     |
| SAR                      |          | 1.15     | 1.50   | 2.08   |           |      |      |     |     |     |
| Sulfate                  | mg/L     | 20.00    | 27.50  | 30.00  |           |      |      |     |     |     |
| Aluminum                 | mg/L     | 0.10     | 2.52   | 5.42   |           |      |      |     |     |     |
| Arsenic                  | mg/L     | <MDL     | 0.001  | 0.005  |           |      |      |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Calcium                  | mg/L     | 42.00    | 50.33  | 55.00  |           |      |      |     |     |     |
| Copper                   | mg/L     | <MDL     | 0.003  | 0.01   |           |      |      |     |     |     |
| Iron (Total)             | mg/L     | 0.10     | 2.80   | 6.08   |           |      |      |     |     |     |
| Lead                     | mg/L     | <MDL     | 0.01   | 0.02   |           |      |      |     |     |     |
| Magnesium                | mg/L     | 17.50    | 18.05  | 19.00  |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     | <MDL     | 0.04   | 0.09   |           |      |      |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL   | <MDL   |           |      |      |     |     |     |
| Selenium                 | mg/L     | <MDL     | 0.0003 | 0.001  |           |      |      |     |     |     |
| Sodium                   | mg/L     | 38.30    | 47.70  | 62.70  |           |      |      |     |     |     |
| Zinc                     | mg/L     | <MDL     | 0.02   | 0.04   |           |      |      |     |     |     |

Baseline Closed at end of 2000 Monitoring Season

\* Site not accessible 1Q

The monitoring point location for S-17 is located on the southern facing slopes of Freeman Gulch and is accessed by foot from trails that originate on the Hubbard Creek Road.

Baseline Information for Point S-17 is derived from events beginning on 5/9/96 through 12/7/00.  
Point influenced by mining on 12/7/00.

S-18  
Terror Creek - Spring 18  
Elevation - 7750

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/28/1999 | 6/28/1999 | 6/28/1999 |
| Activated |           |           |           |
| Date      | 11/9/2022 | 9/28/2022 | 6/23/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |         |         | Operation |     |     |         |         |         |
|--------------------------|----------|----------|---------|---------|-----------|-----|-----|---------|---------|---------|
|                          |          | Min      | Ave     | Max     | Min       | Ave | Max |         |         |         |
| Flow                     | GPM      | 0.00     | 0.72    | 5.00    |           |     |     |         |         |         |
| FieldComment             |          |          |         |         |           |     |     | No flow | No flow | No flow |
| ph                       | su       | 6.7      | 8.0     | 10.2    |           |     |     |         |         |         |
| Conductivity             | umhos/cm | 220      | 381     | 670     |           |     |     |         |         |         |
| Temperature              | Celsius  | 2.9      | 10.5    | 17.8    |           |     |     |         |         |         |
| Lab Parameters           | UNITS    |          |         |         |           |     |     |         |         |         |
| Bicarbonate              | mg/L     | 167.7    | 248.2   | 401.0   |           |     |     |         |         |         |
| Chloride                 | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |         |
| Conductivity             | umhos/cm | 331.1    | 426.0   | 600.0   |           |     |     |         |         |         |
| Hardness                 | mg/L     | 115.9    | 165.6   | 266.0   |           |     |     |         |         |         |
| Nitrate-Nitrite          | mg/L     | <MDL     | 1.09    | 2.13    |           |     |     |         |         |         |
| Oil and Grease           | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |         |
| pH                       | su       | 6.52     | 7.72    | 8.33    |           |     |     |         |         |         |
| Phosphate                | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |         |
| ResidueFilterable-TDS    | mg/L     | 117.5    | 229.6   | 377.0   |           |     |     |         |         |         |
| ResidueNonFilterable-TSS | mg/L     | 1        | 22      | 64      |           |     |     |         |         |         |
| SAR                      |          | 1.35     | 1.49    | 1.68    |           |     |     |         |         |         |
| Sulfate                  | mg/L     | 14.41    | 21.34   | 25.73   |           |     |     |         |         |         |
| Aluminum                 | mg/L     | <MDL     | 0.86    | 1.59    |           |     |     |         |         |         |
| Arsenic                  | mg/L     | <MDL     | 0.008   | 0.010   |           |     |     |         |         |         |
| Cadmium                  | mg/L     | <MDL     | 0.002   | 0.002   |           |     |     |         |         |         |
| Calcium                  | mg/L     | 30.0     | 43.7    | 66.8    |           |     |     |         |         |         |
| Copper                   | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |         |
| Iron (Total)             | mg/L     | 0.023    | 0.750   | 1.800   |           |     |     |         |         |         |
| Lead                     | mg/L     | <MDL     | 0.01    | 0.01    |           |     |     |         |         |         |
| Magnesium                | mg/L     | 8.92     | 13.76   | 24.20   |           |     |     |         |         |         |
| Manganese (Total)        | mg/L     | <MDL     | 0.02    | 0.02    |           |     |     |         |         |         |
| Mercury                  | mg/L     | <MDL     | 0.00004 | 0.00004 |           |     |     |         |         |         |
| Molybdenum               | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |         |         |         |
| Selenium                 | mg/L     | <MDL     | 0.070   | 0.086   |           |     |     |         |         |         |
| Sodium                   | mg/L     | 36.0     | 44.0    | 53.8    |           |     |     |         |         |         |
| Zinc                     | mg/L     | 0.01     | 0.02    | 0.03    |           |     |     |         |         |         |

The area of concern for monitoring point S-18 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The monitoring point for S-18 is located on an unmapped road in an un-named gulch which discharges eventually into Terror Creek. The flow from S-18 contributes to Pond 6, which is just below it.

\* Site not accessible 1Q

Baseline Information Collection initiated on 6/28/99 and not yet considered complete.  
Point S-18 has not been influenced by mining.

S2-2  
Hubbard Creek - Spring 2-2  
Elevation - 6740

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/9/1998  | 6/9/1998  | 6/9/1998  |
| Activated | 9/15/2001 | 9/15/2001 | 9/15/2001 |
| Date      | 11/8/2022 | 9/6/2022  | 5/11/2022 |

Summary Information

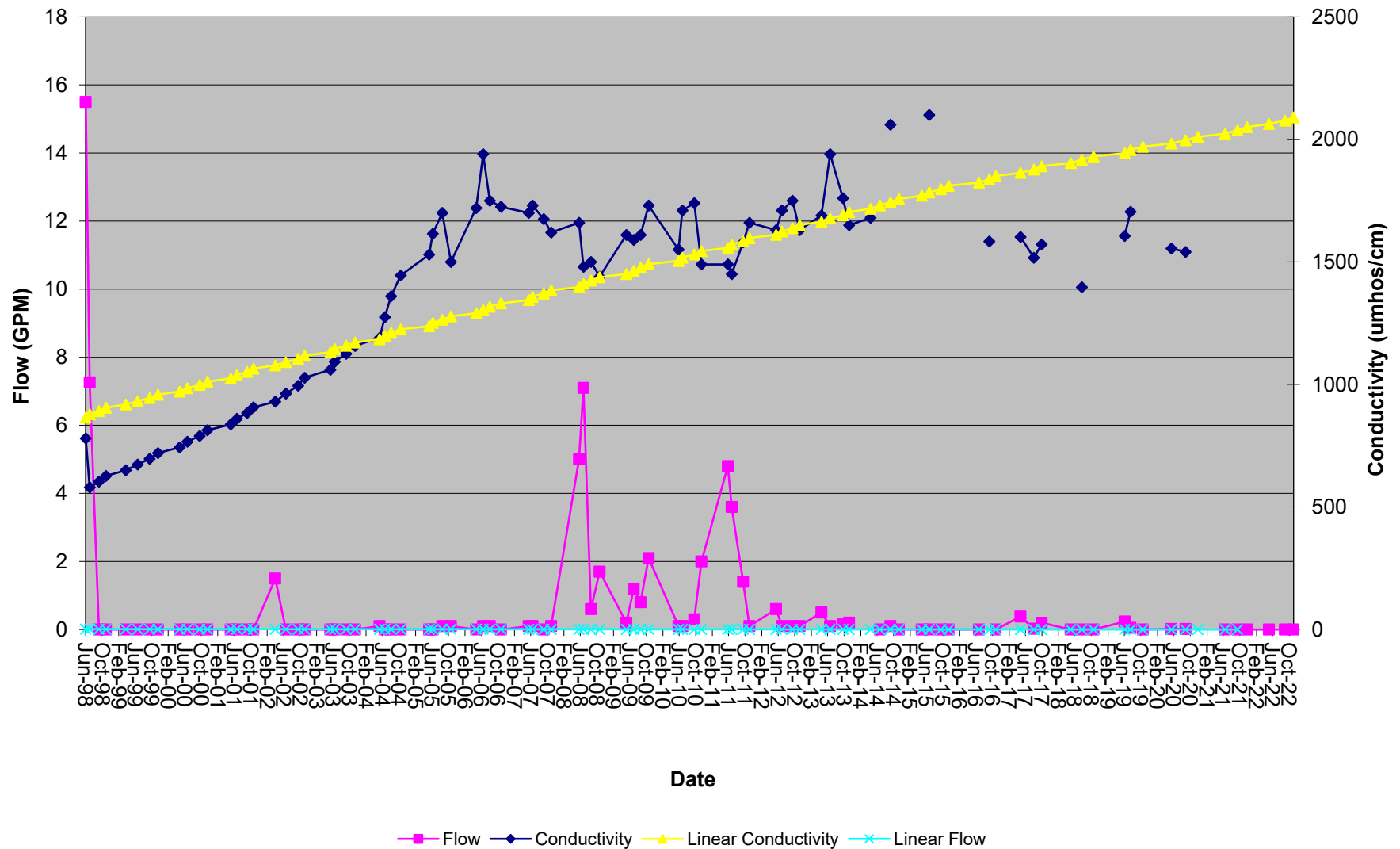
| Field Parameters         | UNITS    | Baseline |       |       | Operation |        |        |     |      |      |
|--------------------------|----------|----------|-------|-------|-----------|--------|--------|-----|------|------|
|                          |          | Min      | Ave   | Max   | Min       | Ave    | Max    |     |      |      |
| Flow                     | GPM      | 0.0      | 1.5   | 15.5  | 0.0       | 0.5    | 7.1    | 0   | 0    | 0    |
| FieldComment             |          |          |       |       |           |        |        | Dry | Damp | Damp |
| ph                       | su       | 6.9      | 7.5   | 8.0   | 7.4       | 8.6    | 9.3    |     |      |      |
| Conductivity             | umhos/cm | 580      | 680   | 780   | 930       | 1623   | 2100   |     |      |      |
| Temperature              | Celsius  | 11.5     | 12.3  | 13.2  | 0.1       | 14.4   | 26.3   |     |      |      |
| Lab Parameters           | UNITS    |          |       |       |           |        |        |     |      |      |
| Bicarbonate              | mg/L     | 339      | 350   | 361   | 489.6     | 536.9  | 584.2  |     |      |      |
| Carbonate                | mg/L     | <MDL     | <MDL  | <MDL  | 15.6      | 19.5   | 23.4   |     |      |      |
| Chloride                 | mg/L     | 2        | 3     | 3     | <MDL      | 2.5    | 2.5    |     |      |      |
| Conductivity             | umhos/cm | 685      | 702   | 718   | 1042.2    | 1142.9 | 1243.7 |     |      |      |
| Hardness                 | mg/L     | 208      | 212   | 215   | 132.5     | 144.6  | 156.7  |     |      |      |
| Nitrate-Nitrite          | mg/L     | 0.07     | 0.09  | 0.12  | <MDL      | <MDL   | <MDL   |     |      |      |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |      |      |
| pH                       | su       | 7.7      | 7.8   | 7.8   | 8.5       | 8.7    | 8.8    |     |      |      |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |      |      |
| ResidueFilterable-TDS    | mg/L     | 390.0    | 420.0 | 450.0 | 941       | 964    | 987    |     |      |      |
| ResidueNonFilterable-TSS | mg/L     | 38.0     | 49.0  | 60.0  | 130       | 252    | 374    |     |      |      |
| SAR                      |          | <MDL     | <MDL  | <MDL  | 8.6       | 10.4   | 12.3   |     |      |      |
| Sulfate                  | mg/L     | 40.0     | 40.0  | 40.0  | 179.5     | 199.0  | 218.6  |     |      |      |
| Aluminum                 | mg/L     | 1.94     | 2.15  | 2.36  | 0.19      | 0.48   | 0.77   |     |      |      |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  | 0.077     | 0.092  | 0.107  |     |      |      |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  | 0.010     | 0.011  | 0.012  |     |      |      |
| Calcium                  | mg/L     | 51.5     | 52.5  | 53.6  | 24.70     | 27.91  | 31.11  |     |      |      |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.013  | 0.013  |     |      |      |
| Iron (Total)             | mg/L     | 1.56     | 1.90  | 2.25  | 0.375     | 1.948  | 3.520  |     |      |      |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.06   | 0.06   |     |      |      |
| Magnesium                | mg/L     | 19.4     | 19.6  | 19.8  | 17.19     | 18.19  | 19.18  |     |      |      |
| Manganese (Total)        | mg/L     | 0.017    | 0.021 | 0.024 | 0.012     | 0.023  | 0.034  |     |      |      |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  | 0.0001    | 0.0002 | 0.0003 |     |      |      |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.005  | 0.005  |     |      |      |
| Selenium                 | mg/L     | <MDL     | <MDL  | <MDL  | 0.005     | 0.076  | 0.146  |     |      |      |
| Sodium                   | mg/L     | 69.4     | 78.6  | 87.8  | 247.8     | 273.4  | 299.0  |     |      |      |
| Zinc                     | mg/L     | 0.02     | 0.02  | 0.02  | 0.02      | 0.03   | 0.03   |     |      |      |

\* Site not accessible 1Q

Baseline Information for Point S2-2 is derived from events beginning on 6/9/98 through 9/15/2001.  
Point influenced by mining on 9/15/01.



Plot of Flow and Conductivity



S2-3  
Hubbard Creek - Spring 2-3  
Elevation - 6740

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/9/1998  | 6/9/1998  | 6/9/1998  |
| Activated | 9/15/2001 | 9/15/2001 | 9/15/2001 |
| Date      | 11/8/2022 | 9/7/2022  | 5/11/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |      |      |      |     |     |
|--------------------------|----------|----------|------|------|-----------|------|------|------|-----|-----|
|                          |          | Min      | Ave  | Max  | Min       | Ave  | Max  |      |     |     |
| Flow                     | GPM      | 0.0      | 0.2  | 1.3  | 0.0       | 0.01 | 1.00 | 0    | 0   | 0   |
| FieldComment             |          |          |      |      |           |      |      | Damp | Dry | Dry |
| ph                       | su       | 7.8      | 7.8  | 7.8  |           |      |      |      |     |     |
| Conductivity             | umhos/cm | 740      | 740  | 740  |           |      |      |      |     |     |
| Temperature              | Celsius  | 12.1     | 12.1 | 12.1 |           |      |      |      |     |     |
| Lab Parameters           | UNITS    |          |      |      |           |      |      |      |     |     |
| Bicarbonate              | mg/L     |          |      |      |           |      |      |      |     |     |
| Chloride                 | mg/L     |          |      |      |           |      |      |      |     |     |
| Conductivity             | umhos/cm |          |      |      |           |      |      |      |     |     |
| Hardness                 | mg/L     |          |      |      |           |      |      |      |     |     |
| Nitrate-Nitrite          | mg/L     |          |      |      |           |      |      |      |     |     |
| Oil and Grease           | mg/L     |          |      |      |           |      |      |      |     |     |
| pH                       | su       |          |      |      |           |      |      |      |     |     |
| Phosphate                | mg/L     |          |      |      |           |      |      |      |     |     |
| ResidueFilterable -TDS   | mg/L     |          |      |      |           |      |      |      |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |      |      |           |      |      |      |     |     |
| SAR                      |          |          |      |      |           |      |      |      |     |     |
| Sulfate                  | mg/L     |          |      |      |           |      |      |      |     |     |
| Aluminum                 | mg/L     |          |      |      |           |      |      |      |     |     |
| Arsenic                  | mg/L     |          |      |      |           |      |      |      |     |     |
| Cadmium                  | mg/L     |          |      |      |           |      |      |      |     |     |
| Calcium                  | mg/L     |          |      |      |           |      |      |      |     |     |
| Copper                   | mg/L     |          |      |      |           |      |      |      |     |     |
| Iron (Total)             | mg/L     |          |      |      |           |      |      |      |     |     |
| Lead                     | mg/L     |          |      |      |           |      |      |      |     |     |
| Magnesium                | mg/L     |          |      |      |           |      |      |      |     |     |
| Manganese (Total)        | mg/L     |          |      |      |           |      |      |      |     |     |
| Mercury                  | mg/L     |          |      |      |           |      |      |      |     |     |
| Molybdenum               | mg/L     |          |      |      |           |      |      |      |     |     |
| Selenium                 | mg/L     |          |      |      |           |      |      |      |     |     |
| Sodium                   | mg/L     |          |      |      |           |      |      |      |     |     |
| Zinc                     | mg/L     |          |      |      |           |      |      |      |     |     |

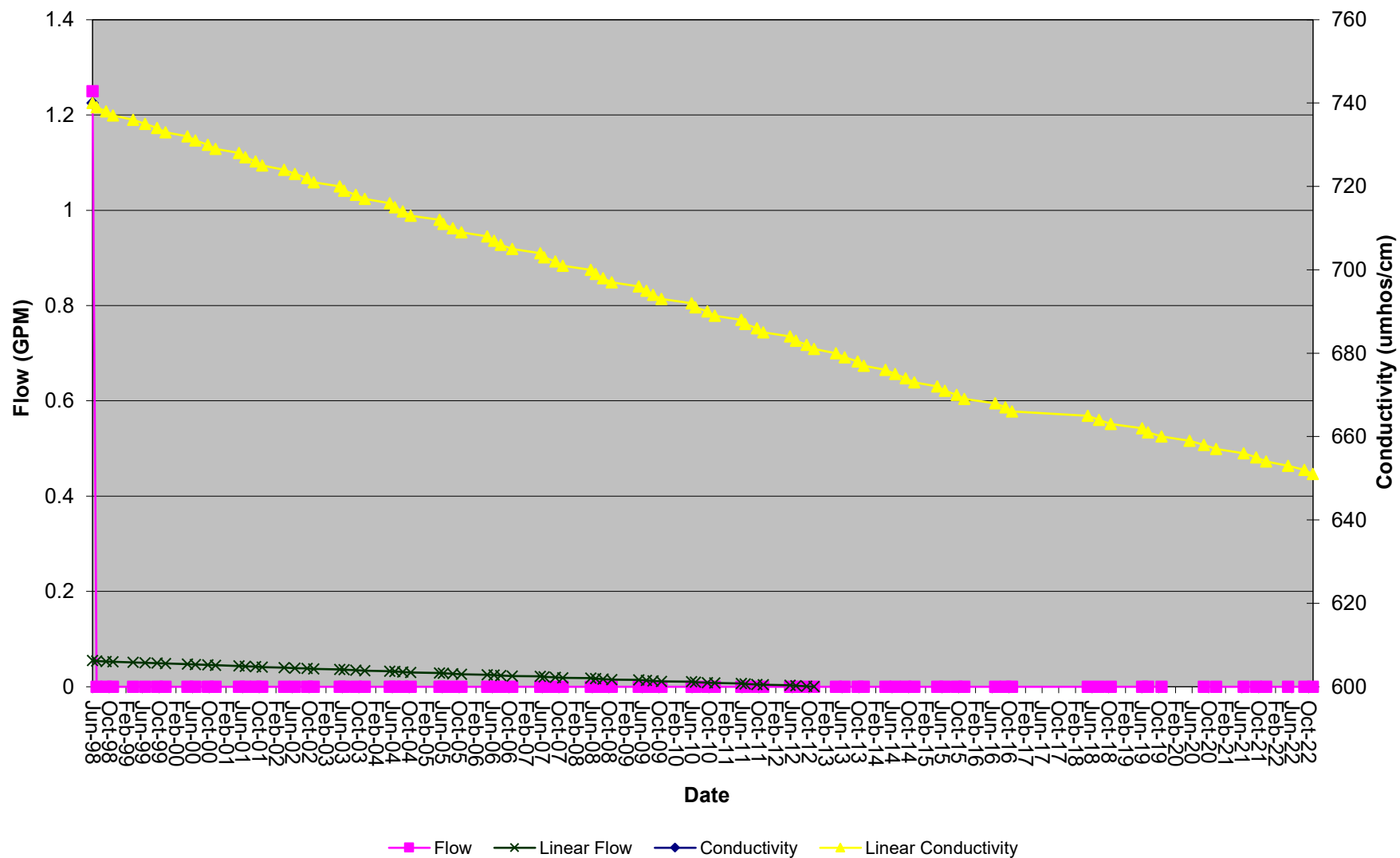
Influenced by the disturbance of Freeman Gulch

\* Site not accessible 1Q

The monitoring point for S2-3 is located along the same old coal exploration road used to access S2-2. It is located near the bottom of Freeman Gulch, along the upper edge of the road.

Baseline Information for Point S2-3 is derived from events beginning on 6/9/98 through 9/24/99.  
Point influenced by mining on 9/24/99.

Plot of Flow and Conductivity



S2-9  
Hubbard Creek - Spring 2-9  
Elevation - 6320'

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 4/1/1999  | 4/1/1999  | 4/1/1999  | 4/1/1999  |
| Activated | 9/24/1999 | 9/24/1999 | 9/24/1999 | 9/24/1999 |
| Date      | 11/3/2022 | 9/6/2022  | 6/8/2022  | 3/28/2022 |

Summary Information

| Field Parameters          | UNITS    | Baseline |      |      | Operation |      |      |     |     |     |     |
|---------------------------|----------|----------|------|------|-----------|------|------|-----|-----|-----|-----|
|                           |          | Min      | Ave  | Max  | Min       | Ave  | Max  |     |     |     |     |
| Flow                      | GPM      | 0.0      | 1.3  | 3.8  | 0.0       | 0.00 | 0.00 | 0   | 0   | 0   | 0   |
| FieldComment              |          |          |      |      |           |      |      | Dry | Dry | Dry | Dry |
| ph                        | su       | 7.5      | 7.5  | 7.5  |           |      |      |     |     |     |     |
| Conductivity              | umhos/cm | 1340     | 1340 | 1340 |           |      |      |     |     |     |     |
| Temperature               | Celsius  | 4.6      | 4.6  | 4.6  |           |      |      |     |     |     |     |
| Lab Parameters            | UNITS    |          |      |      |           |      |      |     |     |     |     |
| Bicarbonate               | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Chloride                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Conductivity              | umhos/cm |          |      |      |           |      |      |     |     |     |     |
| Hardness                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Nitrate-Nitrite           | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Oil and Grease            | mg/L     |          |      |      |           |      |      |     |     |     |     |
| pH                        | su       |          |      |      |           |      |      |     |     |     |     |
| Phosphate                 | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Residue Filterable-TDS    | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Residue NonFilterable-TSS | mg/L     |          |      |      |           |      |      |     |     |     |     |
| SAR                       |          |          |      |      |           |      |      |     |     |     |     |
| Sulfate                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Aluminum                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Arsenic                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Cadmium                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Calcium                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Copper                    | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Iron (Total)              | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Lead                      | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Magnesium                 | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Manganese (Total)         | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Mercury                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Molybdenum                | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Selenium                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Sodium                    | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Zinc                      | mg/L     |          |      |      |           |      |      |     |     |     |     |

The monitoring point for S2-9 is found along the Hubbard Creek road near the mouth of Freeman Gulch. The flow and field parameters are measured at the outlet end of a 24" culvert that directs this runoff from this spring into Hubbard Creek.

S2 - 10  
Hubbard Creek - Spring 2-10  
Elevation - 6320'

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 4/1/1999  | 4/1/1999  | 4/1/1999  | 4/1/1999  |
| Activated | 9/24/1999 | 9/24/1999 | 9/24/1999 | 9/24/1999 |
| Date      | 11/3/2022 | 9/6/2022  | 6/8/2022  | 3/28/2022 |

Summary Information

| Field Parameters          | UNITS    | Baseline |     |     | Operation |        |        |     |     |     |     |
|---------------------------|----------|----------|-----|-----|-----------|--------|--------|-----|-----|-----|-----|
|                           |          | Min      | Ave | Max | Min       | Ave    | Max    |     |     |     |     |
| Flow                      | GPM      | 0.0      | 0.9 | 3.6 | 0.0       | 0.1    | 4.2    | 0   | 0   | 0   | 0   |
| FieldComment              |          |          |     |     |           |        |        | Dry | Dry | Dry | Dry |
| ph                        | su       | 7.4      | 7.4 | 7.4 | 8.0       | 8.6    | 10.2   |     |     |     |     |
| Conductivity              | umhos/cm | 840      | 840 | 840 | 940       | 1294   | 1670   |     |     |     |     |
| Temperature               | Celsius  | 4.9      | 4.9 | 4.9 | 4.0       | 17.2   | 24.6   |     |     |     |     |
| Lab Parameters            | UNITS    |          |     |     |           |        |        |     |     |     |     |
| Bicarbonate               | mg/L     |          |     |     | 570.7     | 570.7  | 570.7  |     |     |     |     |
| Chloride                  | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Conductivity              | umhos/cm |          |     |     | 1048.5    | 1048.5 | 1048.5 |     |     |     |     |
| Hardness                  | mg/L     |          |     |     | 375.48    | 375.48 | 375.48 |     |     |     |     |
| Nitrate-Nitrite           | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Oil and Grease            | mg/L     |          |     |     | 11.39     | 11.39  | 11.39  |     |     |     |     |
| pH                        | su       |          |     |     | 8.34      | 8.34   | 8.34   |     |     |     |     |
| Phosphate                 | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Residue Filterable-TDS    | mg/L     |          |     |     | 1052      | 1052   | 1052   |     |     |     |     |
| Residue NonFilterable-TSS | mg/L     |          |     |     | 15        | 15     | 15     |     |     |     |     |
| SAR                       |          |          |     |     | 0.29      | 0.29   | 0.29   |     |     |     |     |
| Sulfate                   | mg/L     |          |     |     | 205.39    | 205.39 | 205.39 |     |     |     |     |
| Aluminum                  | mg/L     |          |     |     | 0.25      | 0.25   | 0.25   |     |     |     |     |
| Arsenic                   | mg/L     |          |     |     | 0.0066    | 0.0066 | 0.0066 |     |     |     |     |
| Cadmium                   | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Calcium                   | mg/L     |          |     |     | 53.4      | 53.4   | 53.4   |     |     |     |     |
| Copper                    | mg/L     |          |     |     | 0.06      | 0.06   | 0.06   |     |     |     |     |
| Iron (Total)              | mg/L     |          |     |     | 0.51      | 0.51   | 0.51   |     |     |     |     |
| Lead                      | mg/L     |          |     |     | 0.08      | 0.08   | 0.08   |     |     |     |     |
| Magnesium                 | mg/L     |          |     |     | 58.8      | 58.8   | 58.8   |     |     |     |     |
| Manganese (Total)         | mg/L     |          |     |     | 0.03      | 0.03   | 0.03   |     |     |     |     |
| Mercury                   | mg/L     |          |     |     | 0.0002    | 0.0002 | 0.0002 |     |     |     |     |
| Molybdenum                | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Selenium                  | mg/L     |          |     |     | 0.0068    | 0.0068 | 0.0068 |     |     |     |     |
| Sodium                    | mg/L     |          |     |     | 12.94     | 12.94  | 12.94  |     |     |     |     |
| Zinc                      | mg/L     |          |     |     | 0.055     | 0.055  | 0.055  |     |     |     |     |

Influenced by the disturbance of Freeman Gulch.

The monitoring point for S2-10 is found along the Hubbard Creek road near the mouth of Freeman Gulch. The flow and field parameters are measured where the flow crosses the Hubbard Creek road, just before it enters Hubbard Creek.

**S3-1**  
**Sheep Corral - Spring 3-1**  
**Elevation - 6840**

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 5/21/2003 | 5/21/2003 | 5/21/2003 |
| Activated | 5/21/2003 | 5/21/2003 | 5/21/2003 |
| Date      | 11/8/2022 | 9/6/2022  | 5/11/2022 |

**Summary Information**

| Field Parameters          | UNITS    | Baseline |     |     | Operation |       |       |     |     |     |
|---------------------------|----------|----------|-----|-----|-----------|-------|-------|-----|-----|-----|
|                           |          | Min      | Ave | Max | Min       | Ave   | Max   |     |     |     |
| Flow                      | GPM      |          |     |     | 0.00      | 0.66  | 6.34  |     |     |     |
| FieldComment              |          |          |     |     |           |       |       | Dry | Dry | Dry |
| ph                        | su       |          |     |     | 6.8       | 8.0   | 8.6   |     |     |     |
| Conductivity              | umhos/cm |          |     |     | 968       | 1237  | 1520  |     |     |     |
| Temperature               | Celsius  |          |     |     | 4.1       | 10.5  | 19.5  |     |     |     |
| Lab Parameters            | UNITS    |          |     |     |           |       |       |     |     |     |
| Bicarbonate               | mg/L     |          |     |     | 489.0     | 489.0 | 489.0 |     |     |     |
| Chloride                  | mg/L     |          |     |     | 3.0       | 3.0   | 3.0   |     |     |     |
| Conductivity              | umhos/cm |          |     |     | 845.0     | 845.0 | 845.0 |     |     |     |
| Hardness                  | mg/L     |          |     |     | 326.0     | 326.0 | 326.0 |     |     |     |
| Nitrate-Nitrite           | mg/L     |          |     |     | 0.2       | 0.2   | 0.2   |     |     |     |
| Oil and Grease            | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| pH                        | su       |          |     |     | 7.8       | 7.8   | 7.8   |     |     |     |
| Phosphate                 | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Residue Filterable-TDS    | mg/L     |          |     |     | 557.0     | 557.0 | 557.0 |     |     |     |
| Residue NonFilterable-TSS | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| SAR                       |          |          |     |     | 2.2       | 2.2   | 2.2   |     |     |     |
| Sulfate                   | mg/L     |          |     |     | 96.3      | 96.3  | 96.3  |     |     |     |
| Aluminum                  | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Arsenic                   | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Cadmium                   | mg/L     |          |     |     | 0.0       | 0.0   | 0.0   |     |     |     |
| Calcium                   | mg/L     |          |     |     | 83.3      | 83.3  | 83.3  |     |     |     |
| Copper                    | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Iron (Total)              | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Lead                      | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Magnesium                 | mg/L     |          |     |     | 28.6      | 28.6  | 28.6  |     |     |     |
| Manganese (Total)         | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Mercury                   | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |
| Molybdenum                | mg/L     |          |     |     | 0.0       | 0.0   | 0.0   |     |     |     |
| Selenium                  | mg/L     |          |     |     | 0.1       | 0.1   | 0.1   |     |     |     |
| Sodium                    | mg/L     |          |     |     | 108.0     | 108.0 | 108.0 |     |     |     |
| Zinc                      | mg/L     |          |     |     | 0.0       | <MDL  | 0.0   |     |     |     |

*The area of concern for monitoring point S3-1 was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered Operational.*

\* Site not accessible 1Q

There is no baseline collection possible for points initiated after the influence of mining.

**S5-2**  
**Powerline Seep - Spring 5-2**  
**Elevation - 7200**

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 10/29/2012 | 10/29/2012 | 10/29/2012 |
| Activated |            |            |            |
| Date      | 10/5/2022  | 9/8/2022   | 6/23/2022  |

**Summary Information**

| Field Parameters | UNITS    | Baseline |      |      | Operation |     |     |     |     |     |
|------------------|----------|----------|------|------|-----------|-----|-----|-----|-----|-----|
|                  |          | Min      | Ave  | Max  | Min       | Ave | Max |     |     |     |
| Flow             | GPM      | 0.34     | 0.34 | 0.34 |           |     |     | Dry | Dry | Dry |
| Temperature      | Celsius  | 9.2      | 9.2  | 9.2  |           |     |     |     |     |     |
| Conductivity     | umhos/cm | 850      | 850  | 850  |           |     |     |     |     |     |
| pH               | su       | 7.6      | 7.6  | 7.6  |           |     |     |     |     |     |
| Field Comments   |          |          |      |      |           |     |     |     |     |     |
| Lab              |          |          |      |      |           |     |     |     |     |     |

*The area of concern for monitoring point S5-2 has not been affected by the mining operation. Therefore, all record monitoring events are considered Baseline.*

**S6-6**  
**Terror Creek - Spring 6-6**  
**Elevation - 7860**

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/19/1983  | 7/19/1983 | 7/19/1983 |
| Activated | 7/22/2012  | 7/22/2012 | 7/22/2012 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

**Summary Information**

| Field Parameters          | UNITS    | Baseline |       |       | Operation |     |     |     |     |     |
|---------------------------|----------|----------|-------|-------|-----------|-----|-----|-----|-----|-----|
|                           |          | Min      | Ave   | Max   | Min       | Ave | Max |     |     |     |
| Flow                      | GPM      | 0.00     | 0.10  | 3.10  |           |     |     | 0   | 0   | 0   |
| Temperature               | Celsius  | 15.8     | 18.3  | 21.1  |           |     |     |     |     |     |
| Conductivity              | umhos/cm | 239      | 298   | 432   |           |     |     |     |     |     |
| pH                        | su       | 7.8      | 8.3   | 8.7   |           |     |     |     |     |     |
| Field Comments            |          |          |       |       |           |     |     | Dry | Dry | Dry |
| Lab Parameters            | UNITS    |          |       |       |           |     |     |     |     |     |
| Bicarbonate               | mg/L     | 117.1    | 117.1 | 117.1 |           |     |     |     |     |     |
| Carbonate                 | mg/L     |          |       |       |           |     |     |     |     |     |
| Chloride                  | mg/L     | 1        | 1     | 1     |           |     |     |     |     |     |
| Conductivity              | umhos/cm | 235      | 235   | 235   |           |     |     |     |     |     |
| Hardness                  | mg/L     | 95       | 95    | 95    |           |     |     |     |     |     |
| pH                        | su       | 7.9      | 7.9   | 7.9   |           |     |     |     |     |     |
| Residue Filterable-TDS    | mg/L     | 132      | 132   | 132   |           |     |     |     |     |     |
| ResidueNon Filterable-TSS | mg/L     | 32       | 32    | 32    |           |     |     |     |     |     |
| SAR                       |          | 0.71     | 0.71  | 0.71  |           |     |     |     |     |     |
| Sulfate                   | mg/L     | 10       | 10    | 10    |           |     |     |     |     |     |
| Calcium (Dissolved)       | mg/L     | 25       | 25    | 25    |           |     |     |     |     |     |
| Magnesium (Total)         | mg/L     | 8        | 8     | 8     |           |     |     |     |     |     |
| Sodium (Dissolved)        | mg/L     | 16       | 16    | 16    |           |     |     |     |     |     |
| Potassium                 | mg/L     |          |       |       |           |     |     |     |     |     |
| TDS Ratio (grav./calc.)   |          |          |       |       |           |     |     |     |     |     |

The area of concern for monitoring point S6-6 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

\* Site not accessible 1Q



S7-4  
Steven's Gulch - Spring 7-4  
Elevation - 7780

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/19/1983  | 7/19/1983 | 7/19/1983 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters          | UNITS    | Baseline |         |         | Operation |     |     |     |     |     |
|---------------------------|----------|----------|---------|---------|-----------|-----|-----|-----|-----|-----|
|                           |          | Min      | Ave     | Max     | Min       | Ave | Max |     |     |     |
| Flow                      | GPM      | 0.00     | 1.80    | 11.13   |           |     |     |     |     |     |
| Temperature               | Celsius  | 8.1      | 12.1    | 24.3    |           |     |     |     |     |     |
| Conductivity              | umhos/cm | 250      | 336     | 530     |           |     |     |     |     |     |
| pH                        | su       | 6.6      | 7.5     | 8.2     |           |     |     |     |     |     |
| Field Comments            |          |          |         |         |           |     |     | Dry | Dry | Dry |
| Lab Parameters            | UNITS    |          |         |         |           |     |     |     |     |     |
| Bicarbonate               | mg/L     | 40.9     | 155.3   | 225.7   |           |     |     |     |     |     |
| Chloride                  | mg/L     | <MDL     | 7.58    | 22.33   |           |     |     |     |     |     |
| Conductivity              | umhos/cm | 226      | 286     | 353     |           |     |     |     |     |     |
| Hardness                  | mg/L     | 124.53   | 149.11  | 184.00  |           |     |     |     |     |     |
| Nitrate-Nitrite           | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |     |     |     |
| Oil and Grease            | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |     |     |     |
| pH                        | su       | 6.6      | 7.4     | 8.2     |           |     |     |     |     |     |
| Phosphate                 | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |     |     |     |
| Residue Filterable-TDS    | mg/L     | 172      | 218     | 305     |           |     |     |     |     |     |
| ResidueNon Filterable-TSS | mg/L     | 11       | 35      | 52      |           |     |     |     |     |     |
| SAR                       |          | 0.25     | 0.77    | 2.63    |           |     |     |     |     |     |
| Sulfate                   | mg/L     | <MDL     | 8.71    | 14.82   |           |     |     |     |     |     |
| Aluminum (TREC)           | mg/L     | <MDL     | 0.024   | 0.024   |           |     |     |     |     |     |
| Arsenic (TREC)            | mg/L     | <MDL     | 0.026   | 0.026   |           |     |     |     |     |     |
| Cadmium (TREC)            | mg/L     | <MDL     | 0.02    | 0.02    |           |     |     |     |     |     |
| Calcium (TREC)            | mg/L     | 25.30    | 25.30   | 25.30   |           |     |     |     |     |     |
| Copper (TREC)             | mg/L     | 0.01     | 0.01    | 0.01    |           |     |     |     |     |     |
| Iron (TREC)               | mg/L     | 0.35     | 0.47    | 0.58    |           |     |     |     |     |     |
| Lead (TREC)               | mg/L     | 0.04     | 0.04    | 0.04    |           |     |     |     |     |     |
| Magnesium (TREC)          | mg/L     | 13.0     | 15.0    | 18.0    |           |     |     |     |     |     |
| Manganese (TREC)          | mg/L     | 0.01     | 0.01    | 0.01    |           |     |     |     |     |     |
| Mercury (TREC)            | mg/L     | <MDL     | 0.00007 | 0.00007 |           |     |     |     |     |     |
| Molybdenum (TREC)         | mg/L     | <MDL     | 0.002   | 0.002   |           |     |     |     |     |     |
| Selenium (TREC)           | mg/L     | <MDL     | 0.018   | 0.018   |           |     |     |     |     |     |
| Sodium (TREC)             | mg/L     | 12.99    | 12.99   | 12.99   |           |     |     |     |     |     |
| Zinc (TREC)               | mg/L     | <MDL     | 0.01    | 0.01    |           |     |     |     |     |     |

The area of concern for monitoring point S7-4 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

\* Site not accessible 1Q

S7-9  
Terror Creek - Spring 7-9  
Elevation - 7800

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/19/1983  | 7/19/1983 | 7/19/1983 |
| Activated | 7/22/2012  | 7/22/2012 | 7/22/2012 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters          | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|---------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                           |          | Min      | Ave   | Max   | Min       | Ave  | Max  |     |     |     |
| Flow                      | GPM      | 0.00     | 0.01  | 0.27  | 0.00      | 0.00 | 0.00 |     |     |     |
| Temperature               | Celsius  | 8.6      | 11.3  | 15.2  |           |      |      |     |     |     |
| Conductivity              | umhos/cm | 271      | 614   | 791   |           |      |      |     |     |     |
| pH                        | su       | 7.0      | 7.5   | 8.0   |           |      |      |     |     |     |
| Field Comments            |          |          |       |       |           |      |      | Dry | Dry | Dry |
| Lab Parameters            | UNITS    |          |       |       |           |      |      |     |     |     |
|                           |          | Min      | Ave   | Max   | Min       | Ave  | Max  |     |     |     |
| Bicarbonate               | mg/L     | 139.1    | 326.2 | 427.0 |           |      |      |     |     |     |
| Carbonate                 | mg/L     |          |       |       |           |      |      |     |     |     |
| Chloride                  | mg/L     | 1.0      | 5.7   | 11.0  |           |      |      |     |     |     |
| Conductivity              | umhos/cm | 259.0    | 522.3 | 678.0 |           |      |      |     |     |     |
| Hardness                  | mg/L     | 104.0    | 264.3 | 347.0 |           |      |      |     |     |     |
| pH                        | su       | 6.7      | 7.5   | 8.0   |           |      |      |     |     |     |
| Residue Filterable-TDS    | mg/L     | 144.0    | 327.0 | 425.0 |           |      |      |     |     |     |
| ResidueNon Filterable-TSS | mg/L     | 94.0     | 129.3 | 170.0 |           |      |      |     |     |     |
| SAR                       |          | 0.1      | 0.6   | 0.9   |           |      |      |     |     |     |
| Sulfate                   | mg/L     | 4.0      | 26.0  | 43.0  |           |      |      |     |     |     |
| Calcium (Dissolved)       | mg/L     | 30.0     | 68.0  | 88.0  |           |      |      |     |     |     |
| Magnesium (Total)         | mg/L     | 7.0      | 23.0  | 31.0  |           |      |      |     |     |     |
| Sodium (Dissolved)        | mg/L     | 3.0      | 24.7  | 38.0  |           |      |      |     |     |     |
| Potassium                 | mg/L     |          |       |       |           |      |      |     |     |     |
| TDS Ratio (grav./calc.)   |          |          |       |       |           |      |      |     |     |     |

The monitoring point for Spring 7-9 is located on an east facing slope that drains down toward Terror Creek.

\* Site not accessible 1Q

S7-10  
Terror Creek - Spring 7-10  
Elevation - 7880

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 8/1/1983   | 8/1/1983   | 8/1/1983   |
| Activated | 12/31/2013 | 12/31/2013 | 12/31/2013 |
| Date      | 10/10/2022 | 8/31/2022  | 6/22/2022  |

| Summary Information       |          |          |        |        |           |         |         |                 |      |      |
|---------------------------|----------|----------|--------|--------|-----------|---------|---------|-----------------|------|------|
| Field Parameters          | UNITS    | Baseline |        |        | Operation |         |         |                 |      |      |
|                           |          | Min      | Ave    | Max    | Min       | Ave     | Max     |                 |      |      |
| Flow                      | GPM      | 0.00     | 1.56   | 18.75  | 0.00      | 1.05    | 3.75    | 0.05            | 0.01 | 0.01 |
| Temperature               | Celsius  | 1.6      | 7.81   | 21.7   | 6.40      | 7.90    | 10.30   | 8.3             | 9.7  | 8    |
| Conductivity              | umhos/cm | 190      | 480    | 660    | 7.10      | 580.78  | 690.00  | 690             | 681  | 676  |
| pH                        | su       | 7.0      | 7.6    | 8.4    | 6.58      | 7.44    | 7.99    | 7.83            | 7.99 | 7.06 |
| Field Comments            |          |          |        |        |           |         |         | no visible flow |      |      |
| Lab Parameters            |          |          |        |        |           |         |         |                 |      |      |
| Parameters                | UNITS    |          |        |        |           |         |         |                 |      |      |
| Bicarbonate               | mg/L     | 142.00   | 259.51 | 384.00 | 241.77    | 296.89  | 352.00  |                 |      |      |
| Chloride                  | mg/L     | <MDL     | 6.8    | 54.6   | 4.6       | 7.8     | 10.9    |                 |      |      |
| Conductivity              | umhos/cm | 292      | 487    | 722    | 542       | 561     | 580     |                 |      |      |
| Hardness                  | mg/L     | 3.00     | 203.62 | 258.00 | 214.04    | 220.02  | 226.00  |                 |      |      |
| Nitrate-Nitrite           | mg/L     | 0.3      | 0.3    | 0.31   | <MDL      |         |         |                 |      |      |
| Oil & Grease              | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      |         |         |                 |      |      |
| pH                        | su       | 6.76     | 7.58   | 8.59   | 7.08      | 7.22    | 7.35    |                 |      |      |
| Phosphate                 | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      |         |         |                 |      |      |
| Residue Filterable-TDS    | mg/L     | 190      | 319    | 476    | 358       | 394     | 430     |                 |      |      |
| Residue NonFilterable-TSS | mg/L     | <MDL     | 57     | 272    | 14        | 14      | 14      |                 |      |      |
| SAR                       |          | 0.470    | 0.920  | 3.959  | 1.610     | 2.785   | 3.959   |                 |      |      |
| Sulfate                   | mg/L     | 0.4      | 22.0   | 49.8   | 35.9      | 42.9    | 49.8    |                 |      |      |
| Aluminum (TREC)           | mg/L     | 0.023    | 0.023  | 0.110  | 0.110     | 0.110   | 0.110   |                 |      |      |
| Arsenic (TREC)            | mg/L     | 0.0100   | 0.0100 | 0.0100 | 0.0010    | 0.0010  | 0.0010  |                 |      |      |
| Cadmium (TREC)            | mg/L     | 0.020    | 0.020  | 0.020  | 0.002     | 0.002   | 0.002   |                 |      |      |
| Calcium (TREC)            | mg/L     | 36.1     | 36.1   | 54.9   | 43.5      | 49.2    | 54.90   |                 |      |      |
| Copper (TREC)             | mg/L     | 0.0010   | 0.0010 | 0.0120 | 0.0120    | 0.0120  | 0.0120  |                 |      |      |
| Iron (TREC)               | mg/L     | 0.06     | 0.22   | 0.49   | 0.02      | 0.17    | 0.31    |                 |      |      |
| Magnesium (TREC)          | mg/L     | 24.70    | 24.70  | 25.60  | 21.50     | 23.55   | 25.60   |                 |      |      |
| Manganese (TREC)          | mg/L     | <MDL     | 0.0123 | 0.0260 | 0.0260    | 0.0260  | 0.03    |                 |      |      |
| Mercury (TREC)            | mg/L     | 0.0000   | 0.0000 | 0.0000 | 0.00002   | 0.00002 | 0.00002 |                 |      |      |
| Molybdenum (TREC)         | mg/L     | 0.003    | 0.003  | 0.003  | 0.001     | 0.001   | 0.001   |                 |      |      |
| Selenium (TREC)           | mg/L     | 0.023    | 0.023  | 0.023  | 0.003     | 0.003   | 0.003   |                 |      |      |
| Sodium (TREC )            | mg/L     | 32.3     | 32.3   | 133.1  | 55.8      | 94.5    | 133.1   |                 |      |      |
| Zinc (TREC)               | mg/L     | 0.006    | 0.006  | 0.011  | 0.011     | 0.011   | 0.011   |                 |      |      |

This spring consists of a small 2' x 5' area of exposed rocks. Spring water bubbles up through the rocks. (Hanna, 99)

Activated December 31, 2013

\* Site not accessible 1Q

S8-5  
Terror Creek - Spring 8-5  
Elevation - 7800

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/19/1983  | 7/19/1983 | 7/19/1983 |
| Activated | 7/15/2012  | 7/15/2012 | 7/15/2012 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters          | UNITS    | Baseline |        |      | Operation |      |      |     |     |     |
|---------------------------|----------|----------|--------|------|-----------|------|------|-----|-----|-----|
|                           |          | Min      | Ave    | Max  | Min       | Ave  | Max  |     |     |     |
| Flow                      | GPM      | 0        | 0.50   | 8.62 | 0.00      | 0.00 | 3.00 |     |     |     |
| Temperature               | Celsius  | 7.5      | 13.80  | 24.4 |           |      |      |     |     |     |
| Conductivity              | umhos/cm | 660      | 746.00 | 920  |           |      |      |     |     |     |
| pH                        | su       | 7.3      | 8.01   | 8.8  |           |      |      |     |     |     |
| Field Comments            |          |          |        |      |           |      |      | Dry | Dry | Dry |
| Lab Parameters            | UNITS    |          |        |      |           |      |      |     |     |     |
|                           |          | Min      | Ave    | Max  | Min       | Ave  | Max  |     |     |     |
| Bicarbonate               | mg/L     | 334      | 397.13 | 475  |           |      |      |     |     |     |
| Carbonate                 | mg/L     |          |        |      |           |      |      |     |     |     |
| Chloride                  | mg/L     | 6        | 8.50   | 11   |           |      |      |     |     |     |
| Conductivity              | umhos/cm | 606      | 686.00 | 774  |           |      |      |     |     |     |
| Hardness                  | mg/L     | 247      | 315.13 | 380  |           |      |      |     |     |     |
| pH                        | su       | 7.0      | 7.89   | 8.2  |           |      |      |     |     |     |
| Residue Filterable-TDS    | mg/L     | 355      | 404.38 | 460  |           |      |      |     |     |     |
| Residue NonFilterable-TSS | mg/L     | 4        | 146.00 | 502  |           |      |      |     |     |     |
| SAR                       |          | 0.89     | 0.99   | 1.24 |           |      |      |     |     |     |
| Sulfate                   | mg/L     | 30       | 40.13  | 56   |           |      |      |     |     |     |
| Calcium (Dissolved)       | mg/L     | 64.1     | 75.60  | 96.7 |           |      |      |     |     |     |
| Magnesium (Total)         | mg/L     | 21.1     | 30.71  | 36.0 |           |      |      |     |     |     |
| Sodium (Dissolved)        | mg/L     | 31.9     | 40.14  | 48   |           |      |      |     |     |     |
| Potassium                 | mg/L     | 1.10     | 1.10   | 1.10 |           |      |      |     |     |     |
| TDS Ratio (grav./calc.)   |          | 1.11     | 1.11   | 1.11 |           |      |      |     |     |     |

The monitoring point for Spring 8.5 is located on an east facing slope that drains down toward Terror Creek.

S21  
Terror Creek - Spring 21  
Elevation - 7100

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 4/15/1983  | 4/15/1983 | 4/15/1983 |
| Activated | 12/1/2010  | 12/1/2010 | 12/1/2010 |
| Date      | 10/12/2022 | 9/8/2022  | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |      | Operation |           |           |     |     |     |
|--------------------------|----------|----------|--------|------|-----------|-----------|-----------|-----|-----|-----|
|                          |          | Min      | Ave    | Max  | Min       | Ave       | Max       |     |     |     |
| Flow                     | GPM      | 0        | 1.03   | 7.5  | 0         | 0.93      | 9.11      |     |     |     |
| Temperature              | Celsius  | 2.5      | 12.1   | 20.2 | 4         | 9.16      | 16.2      |     |     |     |
| Conductivity             | umhos/cm | 360      | 687    | 907  | 667       | 1157.11   | 1592      |     |     |     |
| pH                       | su       | 7.2      | 7.9    | 8.5  | 7.65      | 9.12      | 17.1      |     |     |     |
| Field Comments           |          |          |        |      | 0         | #DIV/0!   | 0         | Dry | Dry | Dry |
| Lab                      |          |          |        |      |           |           |           |     |     | *   |
| Parameters               | UNITS    |          |        |      |           |           |           |     |     |     |
| Bicarbonate              | mg/L     | 268      | 388.56 | 456  | 93.08     | 294.04    | 495       |     |     |     |
| Carbonate                | mg/L     | <MDL     | 0.23   | 3.5  |           |           |           |     |     |     |
| Chloride                 | mg/L     | 2        | 8.78   | 14   | 10.4      | 16.10     | 21.8      |     |     |     |
| Conductivity             | umhos/cm | 555      | 679.72 | 775  | 434       | 636.00    | 838       |     |     |     |
| Hardness                 | mg/L     | 279      | 350.00 | 442  | 323       | 335.31    | 347.625   |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |        |      | 0.1       | 0.10      | 0.1       |     |     |     |
| Oil/Grease               | mg/L     |          |        |      | <MDL      | <MDL      | <MDL      |     |     |     |
| pH                       | su       | 7        | 7.88   | 8.4  | 7.76      | 7.93      | 8.09      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 330      | 408.44 | 535  | 340       | 463.50    | 587       |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 2        | 24.92  | 106  | 6.6       | 11.80     | 17        |     |     |     |
| SAR                      |          | 0.48     | 0.65   | 1    | 2.259     | 2.785     | 3.31      |     |     |     |
| Sulfate                  | mg/L     | 30       | 50.22  | 91   | 89.6      | 96.66     | 103.72    |     |     |     |
| Calcium (Dissolved)      | mg/L     | 58       | 84.47  | 108  |           |           |           |     |     |     |
| Magnesium (Total)        | mg/L     | 25       | 33.81  | 42   | 35.4      | 43.90     | 52.4      |     |     |     |
| Sodium (Dissolved)       | mg/L     | 22       | 27.92  | 44   |           |           |           |     |     |     |
| Potassium                | mg/L     | 2        | 2.00   | 2    |           |           |           |     |     |     |
| TDS Ratio (grav./calc.)  |          | 1        | 1.00   | 1    |           |           |           |     |     |     |
| Aluminum, TREC           | mg/L     |          |        |      | <MDL      | 0.20      | 0.2       |     |     |     |
| Arsenic, TREC            | mg/L     |          |        |      | <MDL      | 0.00      | 0.001     |     |     |     |
| Cadmium, TREC            | mg/L     |          |        |      | <MDL      | 0.00      | 0.002     |     |     |     |
| Calcium, TREC            | mg/L     |          |        |      | 52.8      | 64.00     | 75.2      |     |     |     |
| Copper, TREC             | mg/L     |          |        |      | <MDL      | 0.01      | 0.01      |     |     |     |
| Iron, TREC               | mg/L     |          |        |      | 0.0855    | 0.18      | 0.27      |     |     |     |
| Lead, TREC               | mg/L     |          |        |      | <MDL      | 0.06      | 0.06      |     |     |     |
| Manganese, TREC          | mg/L     |          |        |      | 0.0108    | 0.04      | 0.06      |     |     |     |
| Mercury, TREC            | mg/L     |          |        |      | <MDL      | 3.000E-05 | 3.000E-05 |     |     |     |
| Molybdenum, TREC         | mg/L     |          |        |      | <MDL      | 0.00      | 0.001     |     |     |     |
| Selenium, TREC           | mg/L     |          |        |      | <MDL      | 0.01      | 0.007     |     |     |     |
| Sodium, TREC             | mg/L     |          |        |      | 96.8      | 111.90    | 127       |     |     |     |
| Zinc, TREC               | mg/L     |          |        |      | <MDL      | 0.01      | 0.01      |     |     |     |

\* Site not accessible 1Q

Baseline Information for Point S21 is derived from events beginning on 4/15/83 through 12/1/10.  
Point influenced by mining on 12/1/10.

S33-4  
Sheep Corral - Spring 33-4  
Elevation - 7790

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 10/30/1997 | 10/30/1997 | 10/30/1997 |
| Activated | 12/1/2001  | 12/1/2001  | 12/1/2001  |
| Date      | 11/9/2022  | 8/22/2022  | 5/11/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |     |     | Operation |     |     |     |     |     |
|--------------------------|----------|----------|-----|-----|-----------|-----|-----|-----|-----|-----|
|                          |          | Min      | Ave | Max | Min       | Ave | Max |     |     |     |
| Flow                     | GPM      | 0.0      | 0.0 | 0.0 | 0.0       | 0.0 | 0.0 |     |     |     |
| FieldComment             |          |          |     |     |           |     |     | Dry | Dry | Dry |
| ph                       | su       |          |     |     |           |     |     |     |     |     |
| Conductivity             | umhos/cm |          |     |     |           |     |     |     |     |     |
| Temperature              | Celsius  |          |     |     |           |     |     |     |     |     |
| Lab Parameters           | UNITS    | *        |     |     |           |     |     |     |     |     |
| Bicarbonate              | mg/L     |          |     |     |           |     |     |     |     |     |
| Chloride                 | mg/L     |          |     |     |           |     |     |     |     |     |
| Conductivity             | umhos/cm |          |     |     |           |     |     |     |     |     |
| Hardness                 | mg/L     |          |     |     |           |     |     |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |     |     |           |     |     |     |     |     |
| Oil and Grease           | mg/L     |          |     |     |           |     |     |     |     |     |
| pH                       | su       |          |     |     |           |     |     |     |     |     |
| Phosphate                | mg/L     |          |     |     |           |     |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |     |     |           |     |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |     |     |           |     |     |     |     |     |
| SAR                      |          |          |     |     |           |     |     |     |     |     |
| Sulfate                  | mg/L     |          |     |     |           |     |     |     |     |     |
| Aluminum                 | mg/L     |          |     |     |           |     |     |     |     |     |
| Arsenic                  | mg/L     |          |     |     |           |     |     |     |     |     |
| Cadmium                  | mg/L     |          |     |     |           |     |     |     |     |     |
| Calcium                  | mg/L     |          |     |     |           |     |     |     |     |     |
| Copper                   | mg/L     |          |     |     |           |     |     |     |     |     |
| Iron (Total)             | mg/L     |          |     |     |           |     |     |     |     |     |
| Lead                     | mg/L     |          |     |     |           |     |     |     |     |     |
| Magnesium                | mg/L     |          |     |     |           |     |     |     |     |     |
| Manganese (Total)        | mg/L     |          |     |     |           |     |     |     |     |     |
| Mercury                  | mg/L     |          |     |     |           |     |     |     |     |     |
| Molybdenum               | mg/L     |          |     |     |           |     |     |     |     |     |
| Selenium                 | mg/L     |          |     |     |           |     |     |     |     |     |
| Sodium                   | mg/L     |          |     |     |           |     |     |     |     |     |
| Zinc                     | mg/L     |          |     |     |           |     |     |     |     |     |

This spring was found during the fall of 1997 and was not locatable after 1998.

\* Site not accessible 1Q

The monitoring point for S33-4 (Spring 33-4) is located above P33-3 in a roadless fork. Evidence of a dry spring was found in October and has not been relocated.

**S34-7**  
**Sheep Corral - Spring 34-7**  
**Elevation - 7390**

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 10/27/1997 | 10/27/1997 | 10/27/1997 |
| Activated | 6/1/2002   | 6/1/2002   | 6/1/2002   |
| Date      | 11/8/2022  | 9/7/2022   | 5/11/2022  |

**Summary Information**

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  |     |     |     |
| Flow                     | GPM      | 0.00     | 0.30  | 4.41  | 0.0       | 0.03 | 1.00 |     |     |     |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry |
| ph                       | su       | 6.8      | 7.5   | 8.0   | 7.2       | 7.9  | 8.4  |     |     |     |
| Conductivity             | umhos/cm | 160      | 258   | 300   | 330       | 625  | 1170 |     |     |     |
| Temperature              | Celsius  | 5.9      | 11.2  | 19.8  | 3.7       | 13.6 | 24.5 |     |     |     |
| Lab                      |          | *        |       |       |           |      |      |     |     |     |
| Parameters               | UNITS    |          |       |       |           |      |      |     |     |     |
| Bicarbonate              | mg/L     | 200      | 200   | 200   |           |      |      |     |     |     |
| Chloride                 | mg/L     | 4        | 4     | 4     |           |      |      |     |     |     |
| Conductivity             | umhos/cm | 420      | 420   | 420   |           |      |      |     |     |     |
| Hardness                 | mg/L     | 129      | 129   | 129   |           |      |      |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Oil and Grease           | mg/L     | 4        | 4     | 4     |           |      |      |     |     |     |
| pH                       | su       | 8.0      | 8.0   | 8.0   |           |      |      |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 230      | 230   | 230   |           |      |      |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 138      | 138   | 138   |           |      |      |     |     |     |
| SAR                      |          | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Sulfate                  | mg/L     | 30.0     | 30.0  | 30.0  |           |      |      |     |     |     |
| Aluminum                 | mg/L     | 3.51     | 3.51  | 3.51  |           |      |      |     |     |     |
| Arsenic                  | mg/L     | 0.001    | 0.001 | 0.001 |           |      |      |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Calcium                  | mg/L     | 37.0     | 37.0  | 37.0  |           |      |      |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Iron (Total)             | mg/L     | 3.58     | 3.58  | 3.58  |           |      |      |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Magnesium                | mg/L     | 8.9      | 8.9   | 8.9   |           |      |      |     |     |     |
| Manganese (Total)        | mg/L     | 0.113    | 0.113 | 0.113 |           |      |      |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Selenium                 | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |
| Sodium                   | mg/L     | 41.0     | 41.0  | 41.0  |           |      |      |     |     |     |
| Zinc                     | mg/L     | 0.03     | 0.03  | 0.03  |           |      |      |     |     |     |

\* Site note accessible 1Q

The monitoring point for S34-7 is located just to the south of an old coal exploration road which winds down Sheep Corral Gulch.

Baseline Information for Point S34-7 is derived from events beginning on 10/27/97 through 6/1/02.  
Point influenced by mining on 6/1/02.

S34-10  
Dove Gulch - Spring 34-10  
Elevation - 6640

|           |           |          |           |           |
|-----------|-----------|----------|-----------|-----------|
| Initiated | 6/2/1998  | 6/2/1998 | 6/2/1998  | 6/2/1998  |
| Activated |           |          |           |           |
| Date      | 11/3/2022 | 9/6/2022 | 6/16/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |        |        |     |     |      |      |
|--------------------------|----------|----------|-------|-------|-----------|--------|--------|-----|-----|------|------|
|                          |          | Min      | Ave   | Max   | Min       | Ave    | Max    |     |     |      |      |
| Flow                     | GPM      | 0.0      | 0.6   | 11.0  | 0.0       | 0.4    | 16.4   |     |     |      |      |
| FieldComment             |          |          |       |       |           |        |        | Dry | Dry | Damp | Damp |
| ph                       | su       | 7.3      | 7.4   | 7.4   | 8.2       | 8.4    | 8.7    |     |     |      |      |
| Conductivity             | umhos/cm | 320      | 435   | 550   | 1160      | 1340   | 1689   |     |     |      |      |
| Temperature              | Celsius  | 8.2      | 9.1   | 10.6  | 6.7       | 11.6   | 19.6   |     |     |      |      |
| Lab Parameters           | UNITS    |          |       |       |           |        |        |     |     |      |      |
| Bicarbonate              | mg/L     | 325      | 335   | 344   | 284.2     | 284.2  | 284.2  |     |     |      |      |
| Carbonate                | mg/L     | <MDL     | <MDL  | <MDL  | 3.6       | 3.6    | 3.6    |     |     |      |      |
| Chloride                 | mg/L     | 5        | 5     | 5     | 0.86      | 0.86   | 0.86   |     |     |      |      |
| Conductivity             | umhos/cm | 622      | 681   | 740   | 1032.1    | 1032.1 | 1032.1 |     |     |      |      |
| Hardness                 | mg/L     | 170      | 186   | 202   | 236.3     | 236.3  | 236.3  |     |     |      |      |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |     |      |      |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  | 2.43      | 2.43   | 2.43   |     |     |      |      |
| pH                       | su       | 7.8      | 7.8   | 7.8   | 8.43      | 8.43   | 8.43   |     |     |      |      |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |     |      |      |
| ResidueFilterable-TDS    | mg/L     | 370      | 400   | 430   | 751       | 751    | 751    |     |     |      |      |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 31    | 62    | 29        | 29     | 29     |     |     |      |      |
| SAR                      |          | <MDL     | <MDL  | <MDL  | 3.39      | 3.39   | 3.39   |     |     |      |      |
| Sulfate                  | mg/L     | 40       | 50    | 60    | 194.69    | 194.69 | 194.69 |     |     |      |      |
| Aluminum                 | mg/L     | 0.07     | 1.96  | 3.86  | 0.25      | 0.25   | 0.25   |     |     |      |      |
| Arsenic                  | mg/L     | <MDL     | 0.001 | 0.001 | 0.064     | 0.064  | 0.064  |     |     |      |      |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  | 0.015     | 0.015  | 0.015  |     |     |      |      |
| Calcium                  | mg/L     | 40.1     | 43.4  | 46.8  | 55.4      | 55.4   | 55.4   |     |     |      |      |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |     |      |      |
| Iron (Total)             | mg/L     | 0.05     | 1.65  | 3.26  | 0.102     | 0.102  | 0.102  |     |     |      |      |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | <MDL   | <MDL   |     |     |      |      |
| Magnesium                | mg/L     | 16.9     | 18.8  | 20.7  | 23.8      | 23.8   | 23.8   |     |     |      |      |
| Manganese (Total)        | mg/L     | <MDL     | 0.027 | 0.055 | <MDL      | <MDL   | <MDL   |     |     |      |      |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  | 0.0001    | 0.0001 | 0.0001 |     |     |      |      |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  | 0.01      | 0.01   | 0.01   |     |     |      |      |
| Selenium                 | mg/L     | 0.001    | 0.001 | 0.001 | 0.0036    | 0.0036 | 0.0036 |     |     |      |      |
| Sodium                   | mg/L     | 70.2     | 77.4  | 84.6  | 119.8     | 119.8  | 119.8  |     |     |      |      |
| Zinc                     | mg/L     | <MDL     | 0.01  | 0.03  | 0.011     | 0.011  | 0.011  |     |     |      |      |

The monitoring point for S34-10 is located high on the northern facing slopes that forms the Dove Gulch Canyon. It is accessed on foot from the remnants of an old coal exploration road in the mouth of Dove Gulch. It is one of three springs found in this location, originating in the sandstone outcrop and discharges via sheet flow into Dove Gulch.



S34-19  
Hubbard Creek - Spring 34-19  
Elevation - 6460

|           |           |          |          |           |
|-----------|-----------|----------|----------|-----------|
| Initiated | 6/9/1998  | 6/9/1998 | 6/9/1998 | 6/9/1998  |
| Activated |           |          |          |           |
| Date      | 11/3/2022 | 9/6/2022 | 6/8/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |     |     |      |     |     |      |
|--------------------------|----------|----------|-------|-------|-----------|-----|-----|------|-----|-----|------|
|                          |          | Min      | Ave   | Max   | Min       | Ave | Max |      |     |     |      |
| Flow                     | GPM      | 0.0      | 0.2   | 7.5   |           |     |     |      |     |     |      |
| FieldComment             |          |          |       |       |           |     |     | Damp | Dry | Dry | Damp |
| ph                       | su       | 7.1      | 7.9   | 8.6   |           |     |     |      |     |     |      |
| Conductivity             | umhos/cm | 149      | 1008  | 2400  |           |     |     |      |     |     |      |
| Temperature              | Celsius  | 3.3      | 13.5  | 22.4  |           |     |     |      |     |     |      |
| Lab Parameters           | UNITS    |          |       |       |           |     |     |      |     |     |      |
| Bicarbonate              | mg/L     | 434      | 434   | 434   |           |     |     |      |     |     |      |
| Chloride                 | mg/L     | 9        | 9     | 9     |           |     |     |      |     |     |      |
| Conductivity             | umhos/cm | 911      | 911   | 911   |           |     |     |      |     |     |      |
| Hardness                 | mg/L     | 197      | 197   | 197   |           |     |     |      |     |     |      |
| Nitrate-Nitrite          | mg/L     | 0.1      | 0.1   | 0.1   |           |     |     |      |     |     |      |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| pH                       | su       | 7.6      | 7.6   | 7.6   |           |     |     |      |     |     |      |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| ResidueFilterable-TDS    | mg/L     | 550      | 550   | 550   |           |     |     |      |     |     |      |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| SAR                      |          | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Sulfate                  | mg/L     | 290.0    | 290.0 | 290.0 |           |     |     |      |     |     |      |
| Aluminum                 | mg/L     | 0.2      | 0.2   | 0.2   |           |     |     |      |     |     |      |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Calcium                  | mg/L     | 44.7     | 44.7  | 44.7  |           |     |     |      |     |     |      |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Iron (Total)             | mg/L     | 0.2      | 0.2   | 0.2   |           |     |     |      |     |     |      |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Magnesium                | mg/L     | 20.8     | 20.8  | 20.8  |           |     |     |      |     |     |      |
| Manganese (Total)        | mg/L     | 0.006    | 0.006 | 0.006 |           |     |     |      |     |     |      |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |
| Selenium                 | mg/L     | 0.002    | 0.002 | 0.002 |           |     |     |      |     |     |      |
| Sodium                   | mg/L     | 132.0    | 132.0 | 132.0 |           |     |     |      |     |     |      |
| Zinc                     | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |      |     |     |      |

The area of concern for monitoring point S34-19 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The monitoring point for S34-19 is found along the Hubbard Creek Trail. It is a diverse flow along the upper edge of the trail.

S34-20  
Hubbard Creek - Spring 34-20  
Elevation - 6440

|           |           |          |          |           |
|-----------|-----------|----------|----------|-----------|
| Initiated | 6/2/1998  | 6/2/1998 | 6/2/1998 | 6/2/1998  |
| Activated |           |          |          |           |
| Date      | 11/3/2022 | 9/6/2022 | 6/8/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |     |     |     |     |     |     |
|--------------------------|----------|----------|------|------|-----------|-----|-----|-----|-----|-----|-----|
|                          |          | Min      | Ave  | Max  | Min       | Ave | Max |     |     |     |     |
| Flow                     | GPM      | 0.0      | 0.0  | 0.6  |           |     |     |     |     |     |     |
| FieldComment             |          |          |      |      |           |     |     | Dry | Dry | Dry | Dry |
| ph                       | su       | 7.6      | 7.8  | 8.2  |           |     |     |     |     |     |     |
| Conductivity             | umhos/cm | 860      | 1140 | 1320 |           |     |     |     |     |     |     |
| Temperature              | Celsius  | 12.5     | 18.4 | 24.1 |           |     |     |     |     |     |     |
| Lab Parameters           | UNITS    |          |      |      |           |     |     |     |     |     |     |
| Bicarbonate              | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Chloride                 | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Conductivity             | umhos/cm |          |      |      |           |     |     |     |     |     |     |
| Hardness                 | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Oil and Grease           | mg/L     |          |      |      |           |     |     |     |     |     |     |
| pH                       | su       |          |      |      |           |     |     |     |     |     |     |
| Phosphate                | mg/L     |          |      |      |           |     |     |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |      |      |           |     |     |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |      |      |           |     |     |     |     |     |     |
| SAR                      |          |          |      |      |           |     |     |     |     |     |     |
| Sulfate                  | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Aluminum                 | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Arsenic                  | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Cadmium                  | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Calcium                  | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Copper                   | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Iron (Total)             | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Lead                     | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Magnesium                | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Manganese (Total)        | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Mercury                  | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Molybdenum               | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Selenium                 | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Sodium                   | mg/L     |          |      |      |           |     |     |     |     |     |     |
| Zinc                     | mg/L     |          |      |      |           |     |     |     |     |     |     |

The area of concern for monitoring point S34-20 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The monitoring point for S34-20 is found along the Hubbard Creek Trail. It is a diverse flow along the upper edge of the trail.

S34-21  
Hubbard Creek - Spring 34-21  
Elevation - 6430

|           |           |          |          |           |
|-----------|-----------|----------|----------|-----------|
| Initiated | 6/2/1998  | 6/2/1998 | 6/2/1998 | 6/2/1998  |
| Activated |           |          |          |           |
| Date      | 11/3/2022 | 9/6/2022 | 6/8/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave  | Max  |     |     |     |     |
| Flow                     | GPM      | 0.0      | 0.5   | 10.7  | 0.0       | 0.1  | 4.0  | 0   | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |      |      | Dry | Dry | Dry | Dry |
| ph                       | su       | 7.6      | 7.6   | 7.6   | 7.4       | 7.8  | 8.4  |     |     |     |     |
| Conductivity             | umhos/cm | 620      | 620   | 620   | 700       | 1531 | 1980 |     |     |     |     |
| Temperature              | Celsius  | 18.7     | 18.7  | 18.7  | 15.3      | 19.7 | 26.4 |     |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |     |     |     |
| Bicarbonate              | mg/L     | 454      | 454   | 454   |           |      |      |     |     |     |     |
| Chloride                 | mg/L     | 6        | 6     | 6     |           |      |      |     |     |     |     |
| Conductivity             | umhos/cm | 831      | 831   | 831   |           |      |      |     |     |     |     |
| Hardness                 | mg/L     | 226      | 226   | 226   |           |      |      |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | 0.2      | 0.2   | 0.2   |           |      |      |     |     |     |     |
| Oil and Grease           | mg/L     | 3.0      | 3.0   | 3.0   |           |      |      |     |     |     |     |
| pH                       | su       | 8.1      | 8.1   | 8.1   |           |      |      |     |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 490      | 490   | 490   |           |      |      |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| SAR                      |          | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Sulfate                  | mg/L     | 70       | 70    | 70    |           |      |      |     |     |     |     |
| Aluminum                 | mg/L     | 0.18     | 0.18  | 0.18  |           |      |      |     |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Calcium                  | mg/L     | 52.9     | 52.9  | 52.9  |           |      |      |     |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Iron (Total)             | mg/L     | 0.14     | 0.14  | 0.14  |           |      |      |     |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Magnesium                | mg/L     | 22.9     | 22.9  | 22.9  |           |      |      |     |     |     |     |
| Manganese (Total)        | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Selenium                 | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |
| Sodium                   | mg/L     | 105.0    | 105.0 | 105.0 |           |      |      |     |     |     |     |
| Zinc                     | mg/L     | <MDL     | <MDL  | <MDL  |           |      |      |     |     |     |     |

The monitoring point for S34-21 is found along the Hubbard Creek Trail. It is a diverse flow along the upper edge of the trail.

S34-22  
Hubbard Creek - Spring 34-22  
Elevation - 6700

|           |           |          |           |           |
|-----------|-----------|----------|-----------|-----------|
| Initiated | 6/2/1998  | 6/2/1998 | 6/2/1998  | 6/2/1998  |
| Activated |           |          |           |           |
| Date      | 11/3/2022 | 9/6/2022 | 6/16/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |        |        |     |     |     |     |
|--------------------------|----------|----------|------|------|-----------|--------|--------|-----|-----|-----|-----|
|                          |          | Min      | Ave  | Max  | Min       | Ave    | Max    |     |     |     |     |
| Flow                     | GPM      | 0.0      | 1.5  | 35.0 | 0.0       | 0.3    | 13.6   | 0   | 0   | 0   | 0   |
| FieldComment             |          |          |      |      |           |        |        | Dry | Dry | Dry | Dry |
| ph                       | su       | 7.2      | 7.3  | 7.4  | 7.8       | 8.0    | 8.4    |     |     |     |     |
| Conductivity             | umhos/cm | 230      | 230  | 230  | 1260      | 1499   | 1808   |     |     |     |     |
| Temperature              | Celsius  | 17.2     | 17.2 | 17.2 | 8.5       | 9.9    | 12.1   |     |     |     |     |
| Lab Parameters           | UNITS    |          |      |      |           |        |        |     |     |     |     |
| Bicarbonate              | mg/L     | 302      | 302  | 302  | 285.4     | 285.4  | 285.4  |     |     |     |     |
| Carbonate                | mg/L     | 12       | 15   | 18   | 18.1      | 18.1   | 18.1   |     |     |     |     |
| Chloride                 | mg/L     | 4        | 4    | 4    | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Conductivity             | umhos/cm | 602      | 602  | 602  | 1011.5    | 1011.5 | 1011.5 |     |     |     |     |
| Hardness                 | mg/L     | 171      | 171  | 171  | 238.8     | 238.8  | 238.8  |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL | <MDL | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL | <MDL | 2.41      | 2.41   | 2.41   |     |     |     |     |
| pH                       | su       | 8.2      | 8.2  | 8.2  | 8.8       | 8.8    | 8.8    |     |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL | <MDL | <MDL      | <MDL   | <MDL   |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 380      | 380  | 380  | 854       | 854    | 854    |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | <MDL | <MDL | 40        | 40     | 40     |     |     |     |     |
| SAR                      |          | <MDL     | <MDL | <MDL | 4.19      | 4.19   | 4.19   |     |     |     |     |
| Sulfate                  | mg/L     | 50       | 50   | 50   | 223.91    | 223.91 | 223.91 |     |     |     |     |
| Aluminum                 | mg/L     | 0.31     | 0.31 | 0.31 | 0.23      | 0.23   | 0.23   |     |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL | <MDL | 0.064     | 0.064  | 0.064  |     |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL | <MDL | 0.026     | 0.026  | 0.026  |     |     |     |     |
| Calcium                  | mg/L     | 38.3     | 38.3 | 38.3 | 53.9      | 53.9   | 53.9   |     |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL | <MDL | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Iron (Total)             | mg/L     | 0.27     | 0.27 | 0.27 | 0.187     | 0.187  | 0.187  |     |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL | <MDL | <MDL      | <MDL   | <MDL   |     |     |     |     |
| Magnesium                | mg/L     | 18.3     | 18.3 | 18.3 | 25.3      | 25.3   | 25.3   |     |     |     |     |
| Manganese (Total)        | mg/L     | <MDL     | <MDL | <MDL | 0.1       | 0.1    | 0.1    |     |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL | <MDL | 0.0001    | 0.0001 | 0.0001 |     |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL | <MDL | 0.01      | 0.01   | 0.01   |     |     |     |     |
| Selenium                 | mg/L     | <MDL     | <MDL | <MDL | 0.0048    | 0.0048 | 0.0048 |     |     |     |     |
| Sodium                   | mg/L     | 74.4     | 74.4 | 74.4 | 149       | 149    | 149    |     |     |     |     |
| Zinc                     | mg/L     | <MDL     | <MDL | <MDL | 0.006     | 0.006  | 0.006  |     |     |     |     |

The monitoring point for S34-22 is located high on the northern facing slopes that forms the Dove Gulch Canyon. It is accessed on foot from the remnants of an old coal exploration road in the mouth of Dove Gulch. It is one of three springs found in this location, originating in the sandstone outcrop and discharges via sheet flow into Dove Gulch.

S34-23  
Hubbard Creek - Spring 34-23  
Elevation - 6650

|           |           |          |           |           |
|-----------|-----------|----------|-----------|-----------|
| Initiated | 6/2/1998  | 6/2/1998 | 6/2/1998  | 6/2/1998  |
| Activated |           |          |           |           |
| Date      | 11/3/2022 | 9/6/2022 | 6/16/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |     |     |     |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|-----|-----|-----|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave | Max |     |     |     |     |
| Flow                     | GPM      | 0.0      | 3.5   | 75.0  | 0.0       | 0.1 | 4.6 | 0   | 0   | 0   | 0   |
| FieldComment             |          |          |       |       |           |     |     | Dry | Dry | Dry | Dry |
| ph                       | su       | 7.6      | 7.8   | 8.0   | 8.5       | 8.5 | 8.5 |     |     |     |     |
| Conductivity             | umhos/cm | 320      | 390   | 460   | 900       | 900 | 900 |     |     |     |     |
| Temperature              | Celsius  | 12.1     | 14.0  | 15.9  | 9.0       | 9.0 | 9.0 |     |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |     |     |     |     |     |     |
| Bicarbonate              | mg/L     | 249      | 268   | 287   |           |     |     |     |     |     |     |
| Chloride                 | mg/L     | 2        | 3     | 4     |           |     |     |     |     |     |     |
| Conductivity             | umhos/cm | 537      | 545   | 552   |           |     |     |     |     |     |     |
| Hardness                 | mg/L     | 169      | 171   | 173   |           |     |     |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.01  | 0.02  |           |     |     |     |     |     |     |
| Oil and Grease           | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| pH                       | su       | 8.1      | 8.3   | 8.4   |           |     |     |     |     |     |     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 330      | 335   | 340   |           |     |     |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 11    | 22    |           |     |     |     |     |     |     |
| SAR                      |          | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Sulfate                  | mg/L     | 30       | 40    | 50    |           |     |     |     |     |     |     |
| Aluminum                 | mg/L     | 0.32     | 0.95  | 1.57  |           |     |     |     |     |     |     |
| Arsenic                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Cadmium                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Calcium                  | mg/L     | 40.5     | 41.8  | 43.1  |           |     |     |     |     |     |     |
| Copper                   | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Iron (Total)             | mg/L     | 0.25     | 0.77  | 1.29  |           |     |     |     |     |     |     |
| Lead                     | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Magnesium                | mg/L     | 15.9     | 16.1  | 16.4  |           |     |     |     |     |     |     |
| Manganese (Total)        | mg/L     | <MDL     | 0.013 | 0.026 |           |     |     |     |     |     |     |
| Mercury                  | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Molybdenum               | mg/L     | <MDL     | <MDL  | <MDL  |           |     |     |     |     |     |     |
| Selenium                 | mg/L     | 0.001    | 0.001 | 0.001 |           |     |     |     |     |     |     |
| Sodium                   | mg/L     | 59.8     | 61.1  | 62.4  |           |     |     |     |     |     |     |
| Zinc                     | mg/L     | <MDL     | 0.005 | 0.010 |           |     |     |     |     |     |     |

The monitoring point for S34-23 is located high on the northern facing slopes that forms the Dove Gulch Canyon. It is accessed on foot from the remnants of an old coal exploration road in the mouth of Dove Gulch. It is one of three springs found in this location, originating in the sandstone outcrops and discharges via sheet flow into Dove Gulch.

Baseline Information for Point S34-23 is derived from events beginning on 6/9/98 through 12/8/03.  
Point influenced by mining on 12/8/03.

S34-24  
Hubbard Creek - Spring 34-24  
Elevation - 6390

|           |           |          |           |           |
|-----------|-----------|----------|-----------|-----------|
| Initiated | 6/2/1998  | 6/2/1998 | 6/2/1998  | 6/2/1998  |
| Activated | 4/1/2002  | 4/1/2002 | 4/1/2002  | 4/1/2002  |
| Date      | 11/3/2022 | 9/6/2022 | 6/16/2022 | 3/28/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |      |      |     |     |     |     |
|--------------------------|----------|----------|------|------|-----------|------|------|-----|-----|-----|-----|
|                          |          | Min      | Ave  | Max  | Min       | Ave  | Max  |     |     |     |     |
| Flow                     | GPM      | 0.00     | 0.06 | 0.91 | 0.0       | 0.00 | 0.10 | 0   | 0   | 0   | 0   |
| FieldComment             |          |          |      |      |           |      |      | Dry | Dry | Dry | Dry |
| ph                       | su       | 7.8      | 7.8  | 7.8  | 7.8       | 8.0  | 8.2  |     |     |     |     |
| Conductivity             | umhos/cm | 1010     | 1010 | 1010 | 1210      | 1740 | 2400 |     |     |     |     |
| Temperature              | Celsius  | 19.0     | 19.0 | 19.0 | 9.0       | 20.3 | 24.8 |     |     |     |     |
| Lab Parameters           | UNITS    |          |      |      |           |      |      |     |     |     |     |
| Bicarbonate              | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Chloride                 | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Conductivity             | umhos/cm |          |      |      |           |      |      |     |     |     |     |
| Hardness                 | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Nitrate-Nitrite          | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Oil and Grease           | mg/L     |          |      |      |           |      |      |     |     |     |     |
| pH                       | su       |          |      |      |           |      |      |     |     |     |     |
| Phosphate                | mg/L     |          |      |      |           |      |      |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |      |      |           |      |      |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |      |      |           |      |      |     |     |     |     |
| SAR                      |          |          |      |      |           |      |      |     |     |     |     |
| Sulfate                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Aluminum                 | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Arsenic                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Cadmium                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Calcium                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Copper                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Iron (Total)             | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Lead                     | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Magnesium                | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Manganese (Total)        | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Mercury                  | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Molybdenum               | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Selenium                 | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Sodium                   | mg/L     |          |      |      |           |      |      |     |     |     |     |
| Zinc                     | mg/L     |          |      |      |           |      |      |     |     |     |     |

The monitoring point for S34-24 is found along the Hubbard Creek Trail. It is a diverse flow along the upper edge of the trail.

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 6/2/1998   | 6/2/1998   | 6/2/1998   | 6/2/1998   |
| Activated | 10/30/2008 | 10/30/2008 | 10/30/2008 | 10/30/2008 |
| Date      | 11/3/2022  | 9/6/2022   | 6/16/2022  | 3/28/2022  |

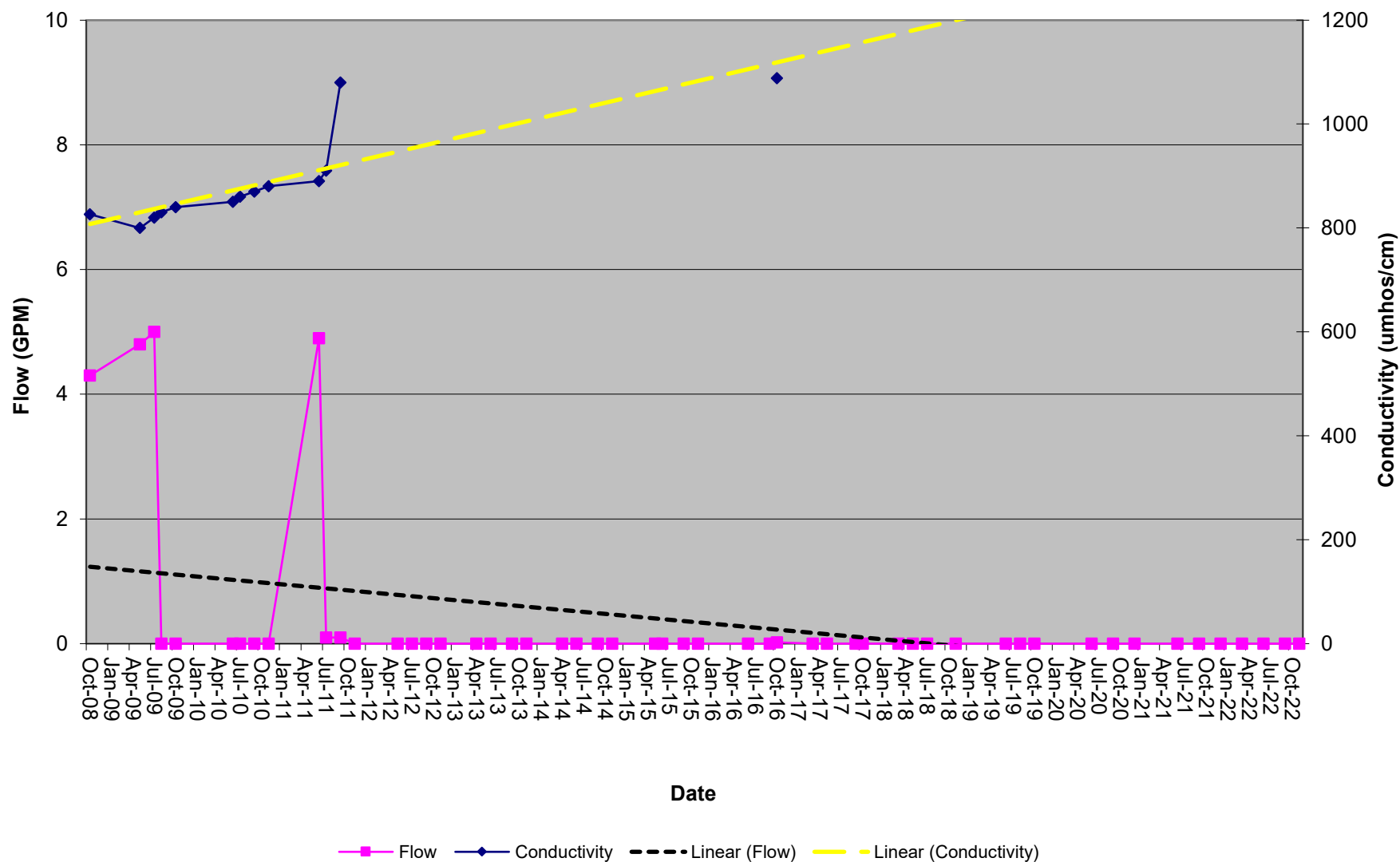
Summary Information

| Field Parameters         | UNITS    | Baseline |     |     | Operation |        |        |                 |     |     |      |
|--------------------------|----------|----------|-----|-----|-----------|--------|--------|-----------------|-----|-----|------|
|                          |          | Min      | Ave | Max | Min       | Ave    | Max    |                 |     |     |      |
| Flow                     | GPM      |          |     |     | 0.0       | 0.4    | 5.0    | 0               | 0   | 0   | 0    |
| FieldComment             |          |          |     |     |           |        |        | No visible flow | Dry | Dry | Damp |
| ph                       | su       |          |     |     | 8.1       | 8.4    | 8.8    |                 |     |     |      |
| Conductivity             | umhos/cm |          |     |     | 800       | 916    | 1088   |                 |     |     |      |
| Temperature              | Celsius  |          |     |     | 5.0       | 10.5   | 17.9   |                 |     |     |      |
| Lab Parameters           | UNITS    |          |     |     |           |        |        |                 |     |     |      |
| Bicarbonate              | mg/L     |          |     |     | 335       | 335    | 335    |                 |     |     |      |
| Carbonate                | mg/L     |          |     |     | 37        | 37     | 37     |                 |     |     |      |
| Chloride                 | mg/L     |          |     |     | 3         | 3      | 3      |                 |     |     |      |
| Conductivity             | umhos/cm |          |     |     | 759       | 759    | 759    |                 |     |     |      |
| Hardness                 | mg/L     |          |     |     | 120       | 120    | 120    |                 |     |     |      |
| Nitrate-Nitrite          | mg/L     |          |     |     | 0.03      | 0.03   | 0.03   |                 |     |     |      |
| Oil and Grease           | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| pH                       | su       |          |     |     | 8.8       | 8.8    | 8.8    |                 |     |     |      |
| Phosphate                | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| ResidueFilterable-TDS    | mg/L     |          |     |     | 490       | 490    | 490    |                 |     |     |      |
| ResidueNonFilterable-TSS | mg/L     |          |     |     | 19        | 19     | 19     |                 |     |     |      |
| SAR                      |          |          |     |     | 5.99      | 5.99   | 5.99   |                 |     |     |      |
| Sulfate                  | mg/L     |          |     |     | 67        | 67     | 67     |                 |     |     |      |
| Aluminum                 | mg/L     |          |     |     | 0.61      | 0.61   | 0.61   |                 |     |     |      |
| Arsenic                  | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| Cadmium                  | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| Calcium                  | mg/L     |          |     |     | 27.6      | 27.6   | 27.6   |                 |     |     |      |
| Copper                   | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| Iron (Total)             | mg/L     |          |     |     | 0.51      | 0.51   | 0.51   |                 |     |     |      |
| Lead                     | mg/L     |          |     |     | 0.0004    | 0.0004 | 0.0004 |                 |     |     |      |
| Magnesium                | mg/L     |          |     |     | 12.4      | 12.4   | 12.4   |                 |     |     |      |
| Manganese (Total)        | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| Mercury                  | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| Molybdenum               | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |
| Selenium                 | mg/L     |          |     |     | 0.0016    | 0.0016 | 0.0016 |                 |     |     |      |
| Sodium                   | mg/L     |          |     |     | 149       | 149    | 149    |                 |     |     |      |
| Zinc                     | mg/L     |          |     |     | <MDL      | <MDL   | <MDL   |                 |     |     |      |

The area of concern for monitoring point S34-25 was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered operational.

The monitoring point for S34-25 is found on drill site GVB-8A-A, 8A & 9D in the Dove Gulch drainage.

Plot of Flow and Conductivity





D2-1  
Sheep Corral - Drainage System  
Elevation - 6360

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 11/6/1998 | 11/6/1998 | 11/6/1998 | 11/6/1998 |
| Activated | 11/1/2003 | 11/1/2003 | 11/1/2003 | 11/1/2003 |
| Date      | 11/2/2022 | 9/28/2022 | 6/12/2022 | 3/28/2022 |

|                          |          | Summary Information |      |      |           |        |        |     |     |     |     |
|--------------------------|----------|---------------------|------|------|-----------|--------|--------|-----|-----|-----|-----|
| Field Parameters         | UNITS    | Baseline            |      |      | Operation |        |        |     |     |     |     |
|                          |          | Min                 | Ave  | Max  | Min       | Ave    | Max    |     |     |     |     |
| Flow                     | GPM      | 0.00                | 0.32 | 4.55 | 0.00      | 0.36   | 13.60  | 0   | 0   | 0   | 0   |
| FieldComment             |          |                     |      |      |           |        |        | Dry | Dry | Dry | Dry |
| ph                       | su       | 7.1                 | 7.8  | 8.4  | 7.4       | 8.1    | 8.6    |     |     |     |     |
| Conductivity             | umhos/cm | 940                 | 1210 | 1640 | 1140      | 1499   | 2000   |     |     |     |     |
| Temperature              | Celsius  | 4.1                 | 11.1 | 19.4 | 5.0       | 16.8   | 25.4   |     |     |     |     |
| Lab Parameters           |          | UNITS               |      |      |           |        |        |     |     |     |     |
| Bicarbonate              | mg/L     | 540                 | 540  | 540  | 398.95    | 593.87 | 772.59 |     |     |     |     |
| Chloride                 | mg/L     | 11                  | 11   | 11   | <MDL      | 15.41  | 20.81  |     |     |     |     |
| Conductivity             | umhos/cm | 1230                | 1230 | 1230 | 1173.0    | 1508.7 | 1847.3 |     |     |     |     |
| Hardness                 | mg/L     | 291                 | 291  | 291  | 228.45    | 325.43 | 372.55 |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 1.866  | 2.730  |     |     |     |     |
| Oil and Grease           | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 2.060  | 4.050  |     |     |     |     |
| pH                       | su       | 8.2                 | 8.2  | 8.2  | 7.8       | 8.4    | 8.9    |     |     |     |     |
| Phosphate                | mg/L     | <MDL                | <MDL | <MDL | <MDL      | <MDL   | <MDL   |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 790                 | 790  | 790  | 824       | 1060   | 1321   |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | <MDL | <MDL | 1.0       | 64.9   | 296.0  |     |     |     |     |
| SAR                      |          | 5.3                 | 5.3  | 5.3  | 1.34      | 5.08   | 11.30  |     |     |     |     |
| Sulfate                  | mg/L     | 190                 | 190  | 190  | 230.00    | 275.24 | 380.32 |     |     |     |     |
| Aluminum                 | mg/L     | 0.39                | 0.39 | 0.39 | 0.057     | 0.377  | 1.23   |     |     |     |     |
| Arsenic                  | mg/L     | <MDL                | <MDL | <MDL | 0.0017    | 0.054  | 0.142  |     |     |     |     |
| Cadmium                  | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 0.006  | 0.015  |     |     |     |     |
| Calcium                  | mg/L     | 49.8                | 49.8 | 49.8 | 36.9      | 55.3   | 66.6   |     |     |     |     |
| Copper                   | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 0.284  | 0.552  |     |     |     |     |
| Iron (Total)             | mg/L     | 0.3                 | 0.3  | 0.3  | 0.10      | 0.49   | 1.22   |     |     |     |     |
| Lead                     | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 0.03   | 0.05   |     |     |     |     |
| Magnesium                | mg/L     | 40.6                | 40.6 | 40.6 | 33.1      | 45.5   | 57.3   |     |     |     |     |
| Manganese (Total)        | mg/L     | 0.01                | 0.01 | 0.01 | <MDL      | 0.053  | 0.084  |     |     |     |     |
| Mercury                  | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 0.0001 | 0.0002 |     |     |     |     |
| Molybdenum               | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 0.003  | 0.003  |     |     |     |     |
| Selenium                 | mg/L     | <MDL                | <MDL | <MDL | 0.0002    | 0.0492 | 0.1680 |     |     |     |     |
| Sodium                   | mg/L     | 205                 | 205  | 205  | 54.8      | 200.8  | 393.8  |     |     |     |     |
| Zinc                     | mg/L     | <MDL                | <MDL | <MDL | <MDL      | 0.032  | 0.090  |     |     |     |     |

\* Not accessible

The D2-1 Monitoring point is at the lower extreme of Sheep Corral Gulch. It is located just below the Hubbard Creek Road, just north of the Blue Ribbon Mine.

Baseline Information for Point D2-1 is derived from events beginning on 10/31/97 through 4/1/02.  
Point influenced by mining on 4/1/02.

D21-1  
Terror Creek - Confluence w/NFG  
Elevation - 5760

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 3/23/2010 | 3/23/2010 | 3/23/2010 | 3/23/2010 |
| Activated |           |           |           |           |
| Date      | 11/2/2022 | 9/28/2022 | 6/13/2022 |           |

|                          |          | Summary Information |         |         |           |     |     |      |         |         |     |
|--------------------------|----------|---------------------|---------|---------|-----------|-----|-----|------|---------|---------|-----|
| Field Parameters         | UNITS    | Baseline            |         |         | Operation |     |     |      |         |         |     |
|                          |          | Min                 | Ave     | Max     | Min       | Ave | Max |      |         |         |     |
| Flow                     | CFS      | 0.02                | 5.63    | 46.00   |           |     |     | 12.1 | 7.6     | 29.5    |     |
| FieldComment             |          |                     |         |         |           |     |     |      |         |         | *** |
| ph                       | su       | 7.1                 | 8.4     | 9.0     |           |     |     | 8.53 | 8.63    | 7.85    |     |
| Conductivity             | umhos/cm | 79                  | 312     | 820     |           |     |     | 192  | 281     | 162.7   |     |
| Temperature              | Celsius  | 0.4                 | 10.3    | 20.6    |           |     |     | 5.7  | 15.5    | 14.9    |     |
| Lab Parameters           |          | UNITS               |         |         |           |     |     |      |         |         |     |
| Bicarbonate              | mg/L     | 39.70               | 126.77  | 292.00  |           |     |     |      | 85.6    | 71.1    |     |
| Chloride                 | mg/L     | 0.6                 | 43.0    | 188.5   |           |     |     |      | <MDL    | 1.27    |     |
| Conductivity             | umhos/cm | 65                  | 300     | 744     |           |     |     |      | 186     | 158     |     |
| Hardness                 | mg/L     | 31.50               | 136.40  | 297.20  |           |     |     |      | 78      | 66      |     |
| Nitrate-Nitrite          | mg/L     | <MDL                | 0.197   | 0.570   |           |     |     |      | <MDL    | <MDL    |     |
| Oil and Grease           | mg/L     | <MDL                | <MDL    | <MDL    |           |     |     |      | <MDL    | <MDL    |     |
| pH                       | su       | 6.77                | 7.90    | 8.53    |           |     |     |      | 7.4     | 8       |     |
| Phosphate                | mg/L     | <MDL                | 0.061   | 0.280   |           |     |     |      | 0.0682  | 0.0558  |     |
| ResidueFilterable-TDS    | mg/L     | 1                   | 223     | 494     |           |     |     |      | 120     | 108     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 36      | 302     |           |     |     |      | 6       | 8       |     |
| SAR                      |          | 0.25                | 0.69    | 1.70    |           |     |     |      | 0.39    | 0.37    |     |
| Sulfate                  | mg/L     | 1.23                | 26.20   | 72.03   |           |     |     |      | 9.4     | 12.2    |     |
| Aluminum (TREC)          | mg/L     | 0.008               | 0.633   | 1.750   |           |     |     |      | 0.381   | 0.92    |     |
| Arsenic (TREC)           | mg/L     | 0.000               | 0.013   | 0.060   |           |     |     |      | 0.00038 | 0.00048 |     |
| Cadmium (TREC)           | mg/L     | 0.002               | 0.006   | 0.020   |           |     |     |      | <MDL    | <MDL    |     |
| Calcium (TREC)           | mg/L     | 6.05                | 28.41   | 67.30   |           |     |     |      | 17.5    | 16.7    |     |
| Copper (TREC)            | mg/L     | 0.002               | 0.007   | 0.017   |           |     |     |      | <MDL    | <MDL    |     |
| Iron (TREC)              | mg/L     | 0.06                | 0.95    | 11.70   |           |     |     |      | 0.423   | 0.86    |     |
| Lead (TREC)              | mg/L     | 0.00                | 0.01    | 0.05    |           |     |     |      | 0.00024 | 0.0005  |     |
| Magnesium (TREC)         | mg/L     | 2.96                | 15.19   | 44.40   |           |     |     |      | 8.34    | 5.79    |     |
| Manganese (TREC)         | mg/L     | <MDL                | 0.934   | 23.700  |           |     |     |      | 0.012   | 0.029   |     |
| Mercury (TREC)           | mg/L     | 0.00001             | 0.00006 | 0.00012 |           |     |     |      | <MDL    | <MDL    |     |
| Molybdenum (TREC)        | mg/L     | 0.000               | 0.003   | 0.008   |           |     |     |      | <MDL    | <MDL    |     |
| Selenium (TREC)          | mg/L     | <MDL                | 0.00784 | 0.03600 |           |     |     |      | <MDL    | 0.00018 |     |
| Sodium (TREC)            | mg/L     | 3.45                | 18.78   | 67.50   |           |     |     |      | 7.77    | 6.84    |     |
| Zinc (TREC)              | mg/L     | 0.003               | 0.025   | 0.110   |           |     |     |      | <MDL    | <MDL    |     |

The area of concern for monitoring point D21-1 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The D21-1 Monitoring point is at downstream Terror Creek-Confluence w/NFG.

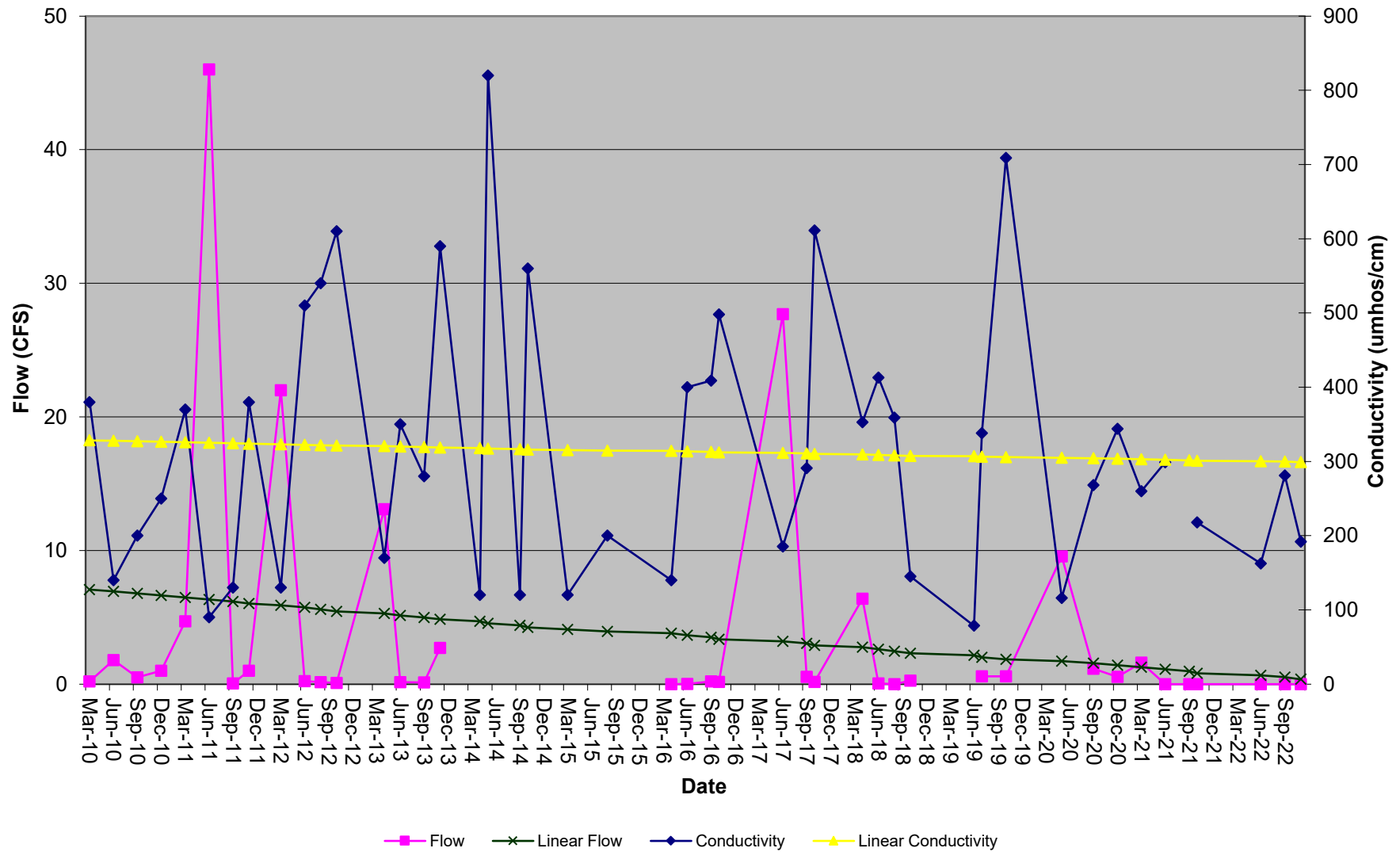
\* Stream flow too low for measurement

\*\* Stream flow too high for measurement

\*\*\* Site not accessible

Baseline Information Collection initiated 3/23/10 and not yet considered complete.  
Point D21-1 has not been influence by mining.

Plot of Flow and Conductivity



D32-4  
Terror Creek - Drainage System  
Elevation - 7480

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 3/23/2010 | 3/23/2010 | 3/23/2010 | 3/23/2010 |
| Activated |           |           |           |           |
| Date      | 11/1/2022 | 9/8/2022  | 6/8/2022  |           |

|                          |          | Summary Information |         |         |           |     |     |         |       |         |   |
|--------------------------|----------|---------------------|---------|---------|-----------|-----|-----|---------|-------|---------|---|
| Field Parameters         | UNITS    | Baseline            |         |         | Operation |     |     |         |       |         |   |
|                          |          | Min                 | Ave     | Max     | Min       | Ave | Max |         |       |         |   |
| Flow                     | CFS      | 0.04                | 6.26    | 75.80   |           |     |     | 18.3    | 21.1  | 47.3    |   |
| FieldComment             |          |                     |         |         |           |     |     |         |       |         | * |
| ph                       | su       | 6.9                 | 8.1     | 8.8     |           |     |     | 8.3     | 8.1   | 7.9     |   |
| Conductivity             | umhos/cm | 20                  | 120     | 288     |           |     |     | 161.1   | 109.7 | 106.2   |   |
| Temperature              | Celsius  | 0.0                 | 9.6     | 19.0    |           |     |     | 0.2     | 16.9  | 9.4     |   |
| Lab                      |          |                     |         |         |           |     |     |         |       |         |   |
| Parameters               | UNITS    |                     |         |         |           |     |     |         |       |         |   |
| Bicarbonate              | mg/L     | 1.7                 | 61.9    | 144.6   |           |     |     | 71.6    |       | 55.8    |   |
| Chloride                 | mg/L     | <MDL                | 4.6     | 76.9    |           |     |     | 1.53    |       | 1.2     |   |
| Conductivity             | umhos/cm | 60.8                | 130.0   | 429.0   |           |     |     | 148     |       | 96      |   |
| Hardness                 | mg/L     | 22.3                | 57.1    | 192.3   |           |     |     | 66.0    |       | 46.0    |   |
| Nitrate-Nitrite          | mg/L     | <MDL                | 0.7     | 8.1     |           |     |     | <MDL    |       | <MDL    |   |
| Oil & Grease             | mg/L     | <MDL                | 2.4     | 6.4     |           |     |     | <MDL    |       | <MDL    |   |
| pH                       | su       | 6.6                 | 7.5     | 8.3     |           |     |     | 7.3     |       | 7.9     |   |
| Phosphate                | mg/L     | <MDL                | 0.14    | 1.37    |           |     |     | 0.0180  |       | 0.0868  |   |
| ResidueFilterable-TDS    | mg/L     | 37                  | 116     | 342     |           |     |     | 106     |       | 90      |   |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 29      | 450     |           |     |     | 8.0000  |       | 12.0000 |   |
| SAR                      |          | <MDL                | 0.78    | 28.16   |           |     |     | 0.2600  |       | 0.2400  |   |
| Sulfate                  | mg/L     | <MDL                | 8.2     | 54.8    |           |     |     | 1.8     |       | <MDL    |   |
| Aluminum (TREC)          | mg/L     | <MDL                | 1.30    | 11.17   |           |     |     | 0.531   |       | 1.73    |   |
| Arsenic (TREC)           | mg/L     | <MDL                | 0.0097  | 0.1680  |           |     |     | 0.0003  |       | <MDL    |   |
| Cadmium (TREC)           | mg/L     | <MDL                | 0.4202  | 11.2000 |           |     |     | <MDL    |       | 11.2    |   |
| Calcium (TREC)           | mg/L     | <MDL                | 13.9    | 65.4    |           |     |     | 15.5    |       |         |   |
| Copper (TREC)            | mg/L     | <MDL                | 0.005   | 0.050   |           |     |     | <MDL    |       | <MDL    |   |
| Iron (Dissolved)         | mg/L     | <MDL                | 5.97    | 165.00  |           |     |     | 0.063   |       | <MDL    |   |
| Iron (TREC)              | mg/L     | 0.020               | 0.956   | 5.420   |           |     |     | 0.587   |       | 1.36    |   |
| Lead (TREC)              | mg/L     | <MDL                | 0.0078  | 0.0500  |           |     |     | 0.00045 |       | 0.00048 |   |
| Magnesium (TREC)         | mg/L     | <MDL                | 5.35    | 11.10   |           |     |     | 6.55    |       | 4.39    |   |
| Manganese (TREC)         | mg/L     | <MDL                | 0.043   | 0.277   |           |     |     | 0.027   |       | 0.033   |   |
| Mercury (TREC)           | mg/L     | <MDL                | 0.00007 | 0.00027 |           |     |     | <MDL    |       | <MDL    |   |
| Molybdenum (TREC)        | mg/L     | <MDL                | 0.037   | 0.900   |           |     |     | <MDL    |       | <MDL    |   |
| Selenium (TREC)          | mg/L     | <MDL                | 0.005   | 0.024   |           |     |     | <MDL    |       | 0.00015 |   |
| Sodium (TREC)            | mg/L     | 2.3                 | 5.3     | 20.3    |           |     |     | 4.85    |       | 3.7     |   |
| Zinc (TREC)              | mg/L     | <MDL                | 0.023   | 0.160   |           |     |     | <MDL    |       | <MDL    |   |

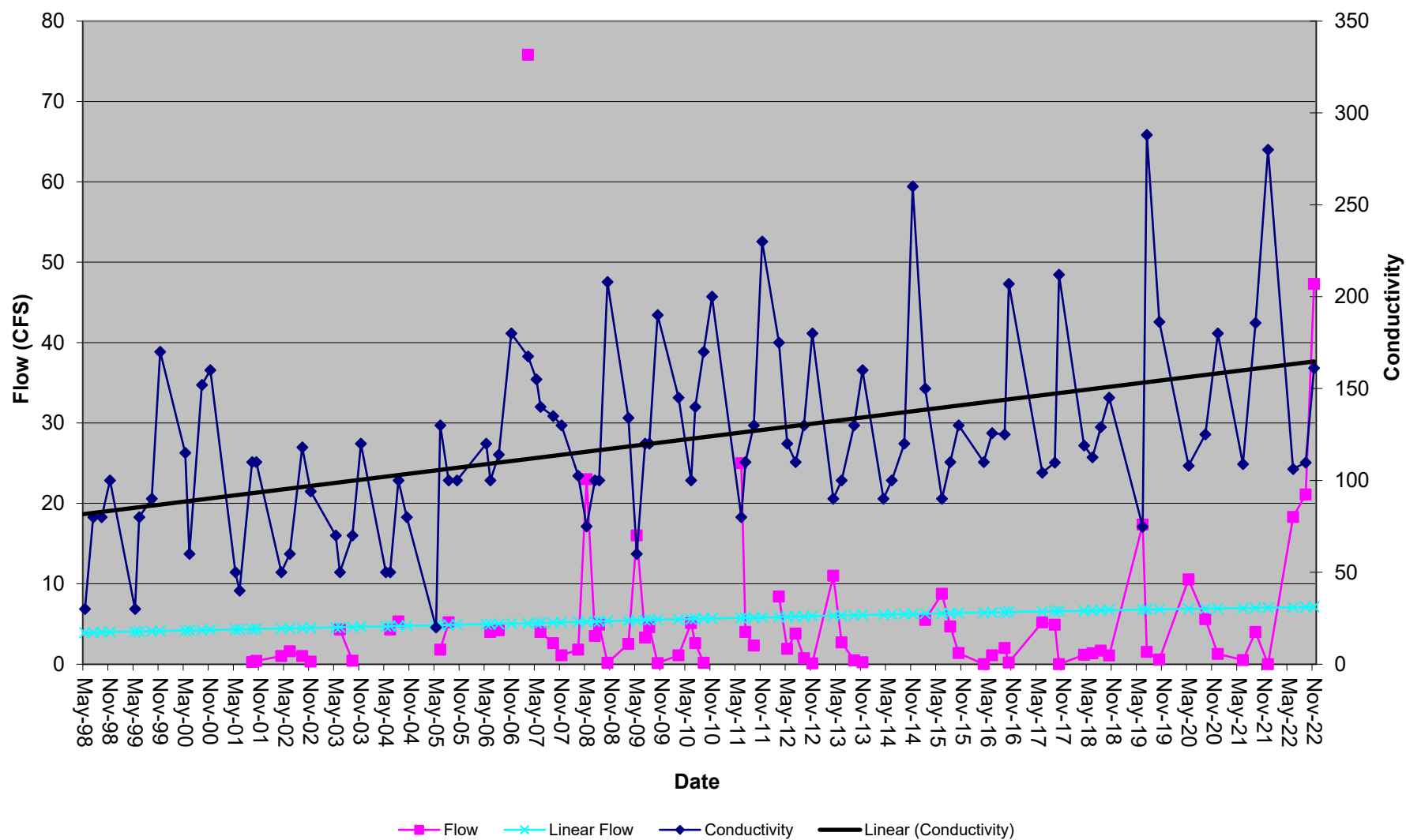
The area of concern for monitoring point D32-4 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The D32-4 Monitoring Point is on upper Terror Creek. It is located at the Cottonwood Stomp ford. This point is used to obtain conductivity, pH and temperature readings. The irregular stream channel found at this location does not provide an adequate method of determining flow values. Flow values are taken by Resource Engineering.

\* Not Accessible

Baseline Information Collection initiated on 10/31/97 and not yet considered complete.  
Point D32-4 has not been influenced by mining.

Plot of Flow and Conductivity



D33-14  
Upper Sheep Corral Gulch  
Elevation - 7320

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 11/6/1998 | 11/6/1998 | 11/6/1998 | 11/6/1998 |
| Activated | 11/1/2003 | 11/1/2003 | 11/1/2003 | 11/1/2003 |
| Date      | 11/1/2022 | 9/8/2022  | 6/8/2022  |           |

| Field Parameters         | UNITS    | Summary Information |      |      |           |       |       |         |      |         |   |
|--------------------------|----------|---------------------|------|------|-----------|-------|-------|---------|------|---------|---|
|                          |          | Baseline            |      |      | Operation |       |       |         |      |         |   |
|                          |          | Min                 | Ave  | Max  | Min       | Ave   | Max   |         |      |         |   |
| Flow                     | GPM      | 0.00                | 0.00 | 0.00 | 0.00      | 2.01  | 98.86 | 0.19    | 0.28 | 0.32    |   |
| FieldComment             |          |                     |      |      |           |       |       |         |      |         | * |
| ph                       | su       |                     |      |      | 6.5       | 7.9   | 8.5   | 8.21    | 8.1  | 7.35    |   |
| Conductivity             | umhos/cm |                     |      |      | 330       | 677   | 807   | 721     | 704  | 657     |   |
| Temperature              | Celsius  |                     |      |      | 2.0       | 8.1   | 26.5  | 3.2     | 10.5 | 8.4     |   |
| Lab Parameters           | UNITS    |                     |      |      |           |       |       |         |      |         |   |
| Bicarbonate              | mg/L     |                     |      |      | 124.0     | 278.0 | 392.0 | 328     |      | 274     |   |
| Chloride                 | mg/L     |                     |      |      | 1.2       | 2.0   | 2.7   | 2.43    |      | 2.71    |   |
| Conductivity             | umhos/cm |                     |      |      | 192.0     | 512.5 | 670.0 | 664     |      | 601     |   |
| Hardness                 | mg/L     |                     |      |      | 63        | 84    | 118   | 63      |      | 75      |   |
| Nitrate-Nitrite          | mg/L     |                     |      |      | <MDL      | 0.56  | 2.13  | <MDL    |      | 0.031   |   |
| Oil and Grease           | mg/L     |                     |      |      | <MDL      | 0.82  | 0.82  | <MDL    |      | <MDL    |   |
| pH                       | su       |                     |      |      | 6.82      | 7.93  | 8.50  | 8       |      | 8.2     |   |
| Phosphate                | mg/L     |                     |      |      | <MDL      | 0.03  | 0.04  | <MDL    |      | 0.0372  |   |
| ResidueFilterable-TDS    | mg/L     |                     |      |      | 126       | 307   | 406   | 406     |      | 350     |   |
| ResidueNonFilterable-TSS | mg/L     |                     |      |      | <MDL      | 3     | 3     | <MDL    |      | <MDL    |   |
| SAR                      |          |                     |      |      | 0.71      | 4.93  | 7.70  | 7.7     |      | 6       |   |
| Sulfate                  | mg/L     |                     |      |      | 6.50      | 32.64 | 42.50 | 39.6    |      | 38.5    |   |
| Aluminum                 | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | <MDL    |   |
| Arsenic                  | mg/L     |                     |      |      | 0.009     | 0.009 | 0.009 | <MDL    |      | <MDL    |   |
| Cadmium                  | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | <MDL    |   |
| Calcium                  | mg/L     |                     |      |      | 20.0      | 24.8  | 32.7  | 20      |      | 23.4    |   |
| Copper                   | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | <MDL    |   |
| Iron (Total)             | mg/L     |                     |      |      | 0.02      | 0.05  | 0.08  | <MDL    |      | <MDL    |   |
| Lead                     | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | <MDL    |   |
| Magnesium                | mg/L     |                     |      |      | 3.00      | 4.80  | 8.78  | 3.08    |      | 4.04    |   |
| Manganese (Total)        | mg/L     |                     |      |      | 0.01      | 0.01  | 0.02  | <MDL    |      | <MDL    |   |
| Mercury                  | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | <MDL    |   |
| Molybdenum               | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | <MDL    |   |
| Selenium                 | mg/L     |                     |      |      | 0.000     | 0.017 | 0.051 | 0.00013 |      | 0.00029 |   |
| Sodium                   | mg/L     |                     |      |      | 12.1      | 95.8  | 139.0 | 139     |      | 119     |   |
| Zinc                     | mg/L     |                     |      |      | <MDL      | <MDL  | <MDL  | <MDL    |      | 0.032   |   |

\* Site not accesible during 1Q

Not enough water for sample during 2Q 2018

The location for monitoring point D33-14 can be found just to the south of an old coal exploration road winding through Sheep Corral Gulch. It is just above Spring and Pond SP34-11.

\* flow not provided in field notes

Baseline Information for Point D33-14 is derived from events beginning on 11/6/98 through 11/1/03.  
Point influenced by mining on 11/1/03.

D34-13  
Dove Gulch - Drainage System  
Elevation - 6440

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 10/31/1997 | 10/31/1997 | 10/31/1997 | 10/31/1997 |
| Activated |            |            |            |            |
| Date      | 11/3/2022  | 9/6/2022   | 6/8/2022   | 3/28/2022  |

| Field Parameters         | UNITS    | Summary Information |      |      |           |     |     |     |     |     |     |
|--------------------------|----------|---------------------|------|------|-----------|-----|-----|-----|-----|-----|-----|
|                          |          | Baseline            |      |      | Operation |     |     |     |     |     |     |
|                          |          | Min                 | Ave  | Max  | Min       | Ave | Max |     |     |     |     |
| Flow                     | GPM      | 0.00                | 0.00 | 0.00 |           |     |     | 0   | 0   | 0   | 0   |
| FieldComment             |          |                     |      |      |           |     |     | Dry | Dry | Dry | Dry |
| ph                       | su       |                     |      |      |           |     |     |     |     |     |     |
| Conductivity             | umhos/cm |                     |      |      |           |     |     |     |     |     |     |
| Temperature              | Celsius  |                     |      |      |           |     |     |     |     |     |     |
| Lab Parameters           |          |                     |      |      |           |     |     |     |     |     |     |
| Parameters               | UNITS    |                     |      |      |           |     |     |     |     |     |     |
| Bicarbonate              | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Chloride                 | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Conductivity             | umhos/cm |                     |      |      |           |     |     |     |     |     |     |
| Hardness                 | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Nitrate-Nitrite          | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Oil and Grease           | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| pH                       | su       |                     |      |      |           |     |     |     |     |     |     |
| Phosphate                | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| SAR                      |          |                     |      |      |           |     |     |     |     |     |     |
| Sulfate                  | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Aluminum                 | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Arsenic                  | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Cadmium                  | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Calcium                  | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Copper                   | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Iron (Total)             | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Lead                     | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Magnesium                | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Manganese (Total)        | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Mercury                  | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Molybdenum               | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Selenium                 | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Sodium                   | mg/L     |                     |      |      |           |     |     |     |     |     |     |
| Zinc                     | mg/L     |                     |      |      |           |     |     |     |     |     |     |

The area of concern for monitoring point D34-13 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The location for D34-13 is at the lower extreme of Dove Gulch, along the western edge of Hubbard Creek Trail.

D34-14  
Hubbard Creek - Drainage System  
Elevation - 6560

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 9/30/1996 | 9/30/1996 | 9/30/1996 | 9/30/1996 |
| Activated | 4/1/2002  | 4/1/2002  | 4/1/2002  | 4/1/2002  |
| Date      | 11/3/2022 | 9/6/2022  | 6/8/2022  | 3/28/2022 |

| Field Parameters         |          | Summary Information |       |         |           |     |         |         |
|--------------------------|----------|---------------------|-------|---------|-----------|-----|---------|---------|
|                          |          | Baseline            |       |         | Operation |     |         |         |
|                          |          | UNITS               | Min   | Ave     | Max       | Min | Ave     | Max     |
| Flow                     | CFS      |                     | 0.12  | 23.57   | 220.00    |     | 6.2     | 0.1     |
| FieldComment             |          |                     |       |         |           |     |         |         |
| ph                       | su       |                     | 6.8   | 8.1     | 8.9       |     | 8.3     | 8.8     |
| Conductivity             | umhos/cm |                     | 50    | 203     | 347       |     | 222     | 237     |
| Temperature              | Celsius  |                     | 0.2   | 9.3     | 20.9      |     | 3.7     | 11.6    |
| Lab Parameters           |          | UNITS               |       |         |           |     |         |         |
| Bicarbonate              | mg/L     |                     | 36.1  | 99.8    | 187.0     |     | 97.5    | 51.6    |
| Chloride                 | mg/L     |                     | <MDL  | 4.74    | 84.89     |     | 5.16    | 0.95    |
| Conductivity             | umhos/cm |                     | 82.1  | 198.2   | 439.0     |     | 207     | 90      |
| Hardness                 | mg/L     |                     | <MDL  | 83.99   | 150.00    |     | 90      | 44      |
| Nitrate-Nitrite          | mg/L     |                     | <MDL  | 1.711   | 41.530    |     | <MDL    | <MDL    |
| Oil & Grease             | mg/L     |                     | <MDL  | 0.973   | 2.330     |     | <MDL    | <MDL    |
| Phosphate                | mg/L     |                     | <MDL  | 0.63    | 8.33      |     | 0.019   | 0.0558  |
| ResidueFilterable-TDS    | mg/L     |                     | 33    | 142     | 353       |     | 134     | 68      |
| ResidueNonFilterable-TSS | mg/L     |                     | <MDL  | 20.3    | 166.0     |     | 9       | 12      |
| SAR                      |          |                     | <MDL  | 1.11    | 20.50     |     | 0.46    | 0.23    |
| Sulfate                  | mg/L     |                     | <MDL  | 30.36   | 1234.8    |     | 8.4     | 13.9    |
| Aluminum (TREC)          | mg/L     |                     | <MDL  | 0.680   | 9.690     |     | 0.456   | 0.903   |
| Arsenic (TREC)           | mg/L     |                     | <MDL  | 0.0072  | 0.1290    |     | 0.00052 | 0.00047 |
| Cadmium (TREC)           | mg/L     |                     | <MDL  | 0.3268  | 11.3000   |     | <MDL    | <MDL    |
| Calcium (TREC)           | mg/L     |                     | 4.57  | 23.62   | 43.60     |     | 25.6    | 12.4    |
| Copper (TREC)            | mg/L     |                     | <MDL  | 0.009   | 0.200     |     | <MDL    | <MDL    |
| Iron (Dissolved)         | mg/L     |                     | <MDL  | <MDL    | <MDL      |     | 0.188   | 0.136   |
| Iron (TREC)              | mg/L     |                     | 0.010 | 0.552   | 13.600    |     | 0.716   | 0.824   |
| Lead (TREC)              | mg/L     |                     | <MDL  | 0.081   | 2.800     |     | 0.00025 | 0.00032 |
| Magnesium (TREC)         | mg/L     |                     | 0.42  | 6.49    | 16.30     |     | 6.38    | 3.05    |
| Manganese (TREC)         | mg/L     |                     | <MDL  | 0.105   | 3.900     |     | 0.22    | 0.025   |
| Mercury (TREC)           | mg/L     |                     | <MDL  | 0.00009 | 0.00079   |     | <MDL    | <MDL    |
| Molybdenum (TREC)        | mg/L     |                     | <MDL  | 0.042   | 1.130     |     | <MDL    | <MDL    |
| Selenium (TREC)          | mg/L     |                     | <MDL  | 0.0804  | 3.2700    |     | <MDL    | 0.00016 |
| Sodium (TREC)            | mg/L     |                     | 3.16  | 12.44   | 42.00     |     | 10.0    | 3.5     |
| Zinc (TREC)              | mg/L     |                     | <MDL  | 0.016   | 0.116     |     | <MDL    | <MDL    |

The area of concern for monitoring point D34-14 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The location for the D34-14 monitoring point is on Hubbard creek just below the igneous intrusion noted as Iron Point. The location can be found where a sapling has been painted white. The point where field parameters were taken did not provide an adequate method to determine flow values. Flow values are taken by Resource Engineering.



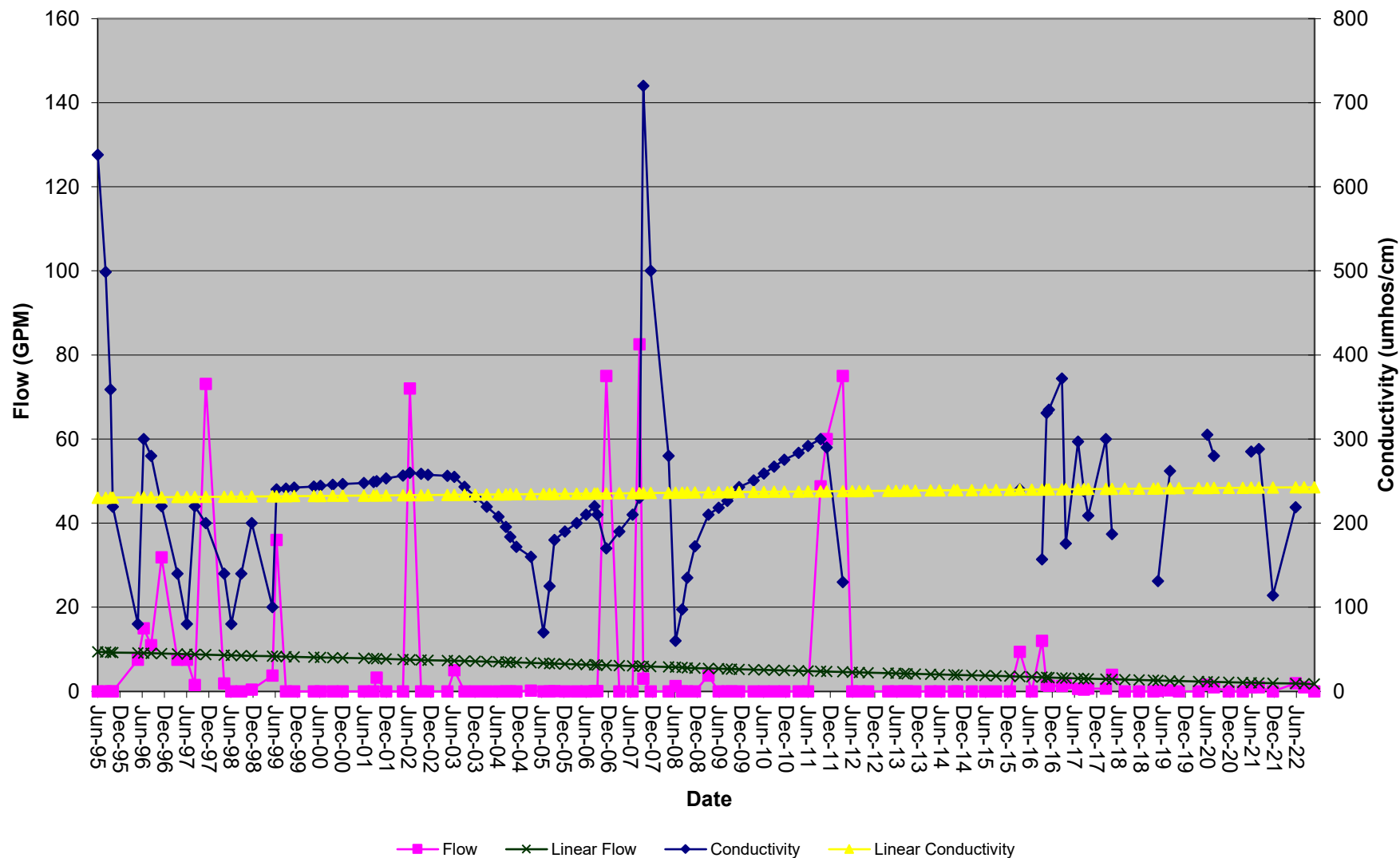
Deer-low  
Canal - Deer Trail Ditch  
Elevation - 5920

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/14/1995 | 6/14/1995 | 6/14/1995 |
| Activated | 3/30/1997 | 3/30/1997 | 3/30/1997 |
| Date      | 11/8/2022 | 8/16/2022 | 6/7/2022  |

| Summary Information      |          |          |         |        |           |         |        |           |      |         |
|--------------------------|----------|----------|---------|--------|-----------|---------|--------|-----------|------|---------|
| Field Parameters         | UNITS    | Baseline |         |        | Operation |         |        |           |      |         |
|                          |          | Min      | Ave     | Max    | Min       | Ave     | Max    |           |      |         |
| Flow                     | GPM      | 0        | 8       | 32     | 0         | 6       | 83     |           | 0.98 | 1.93    |
| Water Level in Flume     | Feet     |          |         |        | 0.00      | 0.17    | 0.40   |           | 0.38 | 0.4     |
| FieldComment             |          |          |         |        |           |         |        | Ditch off |      |         |
| ph                       | su       | 6.8      | 8.3     | 9.0    | 7.1       | 8.4     | 9.2    |           | 8.1  | 8.1     |
| Conductivity             | umhos/cm | 80       | 276     | 638    | 60        | 226     | 720    |           | 219  | 114     |
| Temperature              | Celsius  | 4.9      | 13.1    | 21.2   | 3.1       | 11.8    | 21.5   |           | 19.2 | 13.3    |
| DO                       | mg/L     | 0.0      | 3.7     | 10.7   | 0.0       | 6.3     | 14.7   |           | 14.7 | 0.01    |
| Lab Parameters           | UNITS    |          |         |        |           |         |        |           |      |         |
| Bicarbonate              | mg/L     | 41       | 70      | 118    | 39        | 92      | 131    |           |      | 53.1    |
| Chloride                 | mg/L     | <MDL     | 1       | 2      | <MDL      | 1.8     | 4.0    |           |      | 1.3     |
| Chromium III CrIII       | mg/L     |          |         |        | <MDL      | <MDL    | <MDL   |           |      |         |
| Chromium VI CrIV         | mg/L     |          |         |        | <MDL      | <MDL    | <MDL   |           |      |         |
| Cyanide, Total           | mg/L     |          |         |        | <MDL      | <MDL    | <MDL   |           |      |         |
| Conductivity             | umhos/cm | 97       | 148     | 238    | 98        | 191     | 308    |           |      | 106     |
| Hardness                 | mg/L     | 48       | 67      | 96     | 33        | 82      | 119    |           |      | 50      |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.07    | 0.17   | <MDL      | 0.01    | 0.04   |           |      | <MDL    |
| Nitrate                  | mg/L     | <MDL     | 0.08    | 0.17   | <MDL      | 0.47    | 2.69   |           |      | <MDL    |
| Nitrite                  | mg/L     | <MDL     | 0.01    | 0.02   | <MDL      | 0.00    | 0.01   |           |      |         |
| Dissolved Oxygen         |          | 0        | 0       | 0      | <MDL      | 7.93    | 7.95   |           |      |         |
| Ammonia                  | mg/L     |          |         |        | 0.10      | 0.18    | 0.25   |           |      |         |
| Oil and Grease           | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 2       | 2      |           |      | <MDL    |
| pH                       | su       | 7.5      | 7.8     | 8.0    | 7.7       | 8.1     | 8.6    |           |      | 8.1     |
| Phosphate                | mg/L     | <MDL     | 0.03    | 0.08   | <MDL      | 0.03    | 0.08   |           |      | <MDL    |
| ResidueFilterable-TDS    | mg/L     | 30       | 93      | 150    | 70        | 165     | 302    |           |      | 100     |
| ResidueNonFilterable-TSS | mg/L     | 6        | 101     | 286    | <MDL      | 15      | 41     |           |      | 18      |
| SAR                      |          | 0.21     | 0.38    | 0.68   | <MDL      | 0.82    | 6.50   |           |      | 0.25    |
| Sulfate                  | mg/L     | <MDL     | 7       | 10     | <MDL      | 11      | 20     |           |      | <MDL    |
| Sulfide S                | mg/L     |          |         |        | <MDL      | <MDL    | <MDL   |           |      |         |
| Aluminum (TREC)          | mg/L     | 0.25     | 3.03    | 7.68   | 0.14      | 0.62    | 1.58   |           |      | 1.07    |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.001   | 0.002  | <MDL      | 0.0019  | 0.0150 |           |      | 0.00057 |
| Boron                    | mg/L     |          |         |        | 0.78      | 0.78    | 0.78   |           |      |         |
| Cadmium (TREC)           | mg/L     | <MDL     | 0.001   | 0.003  | <MDL      | 0.01    | 0.05   |           |      | <MDL    |
| Calcium (TREC)           | mg/L     | 13.4     | 18.8    | 26.9   | 9.1       | 23.1    | 33.8   |           |      | 14.1    |
| Copper (TREC)            | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 0.004   | 0.017  |           |      | <MDL    |
| Iron (Dissolved)         | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 0.06    | 0.15   |           |      | 0.091   |
| Iron (TREC)              | mg/L     | 0.45     | 3.83    | 9.79   | 0.10      | 0.81    | 5.29   |           |      | 0.963   |
| Lead (TREC)              | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 0.0054  | 0.0400 |           |      | 0.00055 |
| Magnesium (TREC)         | mg/L     | 3.4      | 4.9     | 6.9    | 2.5       | 6.1     | 8.6    |           |      | 3.46    |
| Manganese (Dissolved)    | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 1.6     | 6.2    |           |      |         |
| Manganese (TREC)         | mg/L     | 0.012    | 0.075   | 0.193  | 0.001     | 0.039   | 0.166  |           |      | 0.017   |
| Mercury (TREC)           | mg/L     | <MDL     | 0.00007 | 0.0002 | <MDL      | 0.00005 | 0.0002 |           |      | <MDL    |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 0.0003  | 0.0010 |           |      | <MDL    |
| Nickel                   | mg/L     |          |         |        | <MDL      | <MDL    | <MDL   |           |      |         |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL    | <MDL   | <MDL      | 0.002   | 0.010  |           |      | 0.00013 |
| Silver                   | mg/L     |          |         |        | <MDL      | <MDL    | <MDL   |           |      | <MDL    |
| Sodium (TREC)            | mg/L     | 3.7      | 7.6     | 15.3   | 3.9       | 11.2    | 31.5   |           |      | 4.2     |
| Zinc (TREC)              | mg/L     | 0.03     | 0.03    | 0.04   | <MDL      | 0.02    | 0.05   |           |      | <MDL    |

The lower end of Deer Trail Ditch is monitored at a point where the ditch empties into the Fire Mountain Canal.

Plot of Flow and Conductivity



Deer-low - Canal - Deer Trail Ditch

Deer-up  
Canal - Deer Trail Ditch  
Elevation - 5960

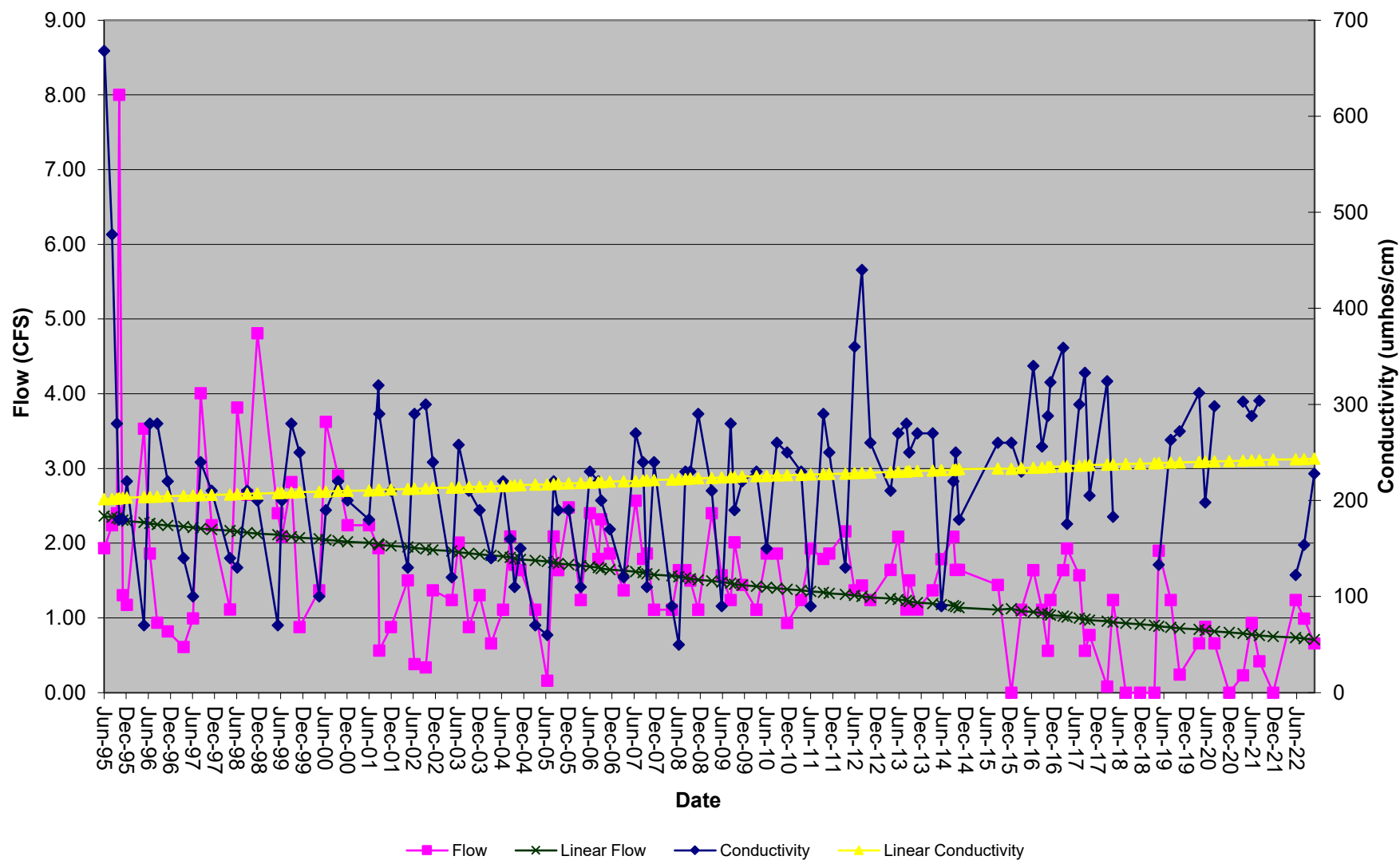
|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 6/14/1995 | 6/14/1995 | 6/14/1995 |
| Activated | 3/30/1997 | 3/30/1997 | 3/30/1997 |
| Date      | 11/8/2022 | 8/16/2022 | 6/7/2022  |

| Field Parameters         | UNITS    | Summary Information |      |        | Operation |       |         |        |      |         |
|--------------------------|----------|---------------------|------|--------|-----------|-------|---------|--------|------|---------|
|                          |          | Baseline            | Min  | Ave    | Max       | Min   | Ave     | Max    |      |         |
| Flow                     | CFS      |                     | 0.8  | 1.8    | 3.5       | 0.1   | 1.5     | 4.8    | 0.66 | 0.99    |
| Water Level in Flume     | Feet     |                     | 0.23 | 0.37   | 0.59      | 0.05  | 0.33    | 0.72   | 0.20 | 0.26    |
| FieldComment             |          |                     |      |        |           |       |         |        |      |         |
| ph                       | su       |                     | 6.4  | 8.5    | 9.1       | 7.4   | 8.4     | 9.1    | 8.5  | 7.4     |
| Conductivity             | umhos/cm |                     | 70   | 286    | 668       | 50    | 214     | 440    | 228  | 154     |
| Temperature              | Celsius  |                     | 0.8  | 11.4   | 20.3      | 0.2   | 9.7     | 22.1   | 4.4  | 16.7    |
| DO                       | mg/L     |                     | 0.0  | 3.5    | 7.7       | 0.0   | 9.5     | 69.9   | 20.1 | 16.7    |
| Lab Parameters           | UNITS    | * New DO meter 2Q   |      |        |           |       |         |        |      |         |
| Bicarbonate              | mg/L     |                     | 51.0 | 73.0   | 117.0     | -42.5 | 102.4   | 176.0  |      | 47.8    |
| Hydroxide                | mg/L     |                     | 0    | 0      | 0         | 0     | 0       | 0      |      |         |
| Chloride                 | mg/L     |                     | <MDL | 1.67   | 3.00      | <MDL  | 19.31   | 190.50 |      | 1.4     |
| Chromium III CrIII       | mg/L     |                     |      |        |           | <MDL  | <MDL    | <MDL   |      |         |
| Chromium VI CrIV         | mg/L     |                     |      |        |           | <MDL  | 0.01    | 0.01   |      | <MDL    |
| Cyanide, Total           | mg/L     |                     |      |        |           | <MDL  | <MDL    | <MDL   |      | <MDL    |
| Conductivity             | umhos/cm |                     | 100  | 148    | 235       | 85    | 245     | 573    |      | 99      |
| Hardness                 | mg/L     |                     | 42   | 61     | 94        | <MDL  | 94      | 168    |      | 47      |
| Nitrate-Nitrite          | mg/L     |                     | <MDL | 0.02   | 0.07      | <MDL  | 0.20    | 1.25   |      | <MDL    |
| Nitrate                  | mg/L     |                     | <MDL | 0.02   | 0.07      | <MDL  | 0.33    | 2.87   |      | <MDL    |
| Nitrite                  | mg/L     |                     | <MDL | 0.01   | 0.02      | <MDL  | 0.003   | 0.016  |      | <MDL    |
| Dissolved Oxygen         | mg/L     |                     | 0    | 0.00   | 0.00      | <MDL  | 9.375   | 10.850 |      |         |
| Ammonia                  | mg/L     |                     |      |        |           | <MDL  | 0.149   | 0.290  |      | <MDL    |
| Oil and Grease           | mg/L     |                     |      |        |           | <MDL  | 4.3     | 5.5    |      | <MDL    |
| pH                       | su       |                     | 7.6  | 7.8    | 8.1       | 0.1   | 7.9     | 8.7    |      | 8.0     |
| Phosphate                | mg/L     |                     | <MDL | 0.01   | 0.03      | <MDL  | 6.74    | 141.00 |      |         |
| ResidueFilterable-TDS    | mg/L     |                     | 50   | 100    | 150       | 60    | 184     | 475    |      | 98      |
| ResidueNonFilterable-TSS | mg/L     |                     | <MDL | 25     | 52        | <MDL  | 12      | 40     |      | 15      |
| SAR                      |          |                     | 0.24 | 0.37   | 0.62      | <MDL  | 0.72    | 2.29   |      | 0.24    |
| Sulfate                  | mg/L     |                     | <MDL | 10     | 20        | <MDL  | 12.4    | 37.5   |      | <MDL    |
| Sulfide S                | mg/L     |                     |      |        |           | <MDL  | 0.13    | 0.13   |      |         |
| Aluminum (TREC)          | mg/L     |                     | 0.24 | 1.09   | 1.77      | <MDL  | 0.38    | 2.03   |      | 1.05    |
| Arsenic (TREC)           | mg/L     |                     | <MDL | 0.0003 | 0.0010    | <MDL  | 0.0049  | 0.0300 |      | 0.00049 |
| Boron                    | mg/L     |                     |      |        |           | <MDL  | 0.82    | 1.40   |      | <MDL    |
| Cadmium (TREC)           | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.006   | 0.040  |      | <MDL    |
| Calcium (TREC)           | mg/L     |                     | 11.8 | 17.2   | 26.5      | 8.29  | 28.41   | 134.00 |      | 13.3    |
| Copper (TREC)            | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.004   | 0.019  |      | <MDL    |
| Iron (Dissolved)         | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.07    | 0.25   |      | 0.116   |
| Iron (TREC)              | mg/L     |                     | 0.38 | 1.19   | 1.85      | 0.03  | 10.89   | 618.00 |      | 0.94    |
| Lead (TREC)              | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.0097  | 0.1000 |      | 0.0004  |
| Magnesium (TREC)         | mg/L     |                     | 3.0  | 4.4    | 6.7       | 2.5   | 7.6     | 17.6   |      | 3.4     |
| Manganese (Dissolved)    | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.7     | 6.7    |      |         |
| Manganese (TREC)         | mg/L     |                     | 0.02 | 0.03   | 0.03      | 0.002 | 0.880   | 26.700 |      | 0.025   |
| Mercury (TREC)           | mg/L     |                     | <MDL | 0.0001 | 0.0002    | <MDL  | 0.00007 | 0.0004 |      | <MDL    |
| Molybdenum (TREC)        | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.003   | 0.011  |      | <MDL    |
| Nickel                   | mg/L     |                     |      |        |           | <MDL  | 0.0088  | 0.0120 |      | <MDL    |
| Selenium (TREC)          | mg/L     |                     | <MDL | <MDL   | <MDL      | <MDL  | 0.0037  | 0.0230 |      | <MDL    |
| Silver                   | mg/L     |                     |      |        |           | <MDL  | 0.0030  | 0.0030 |      | <MDL    |
| Sodium (TREC)            | mg/L     |                     | 3.6  | 7.1    | 13.8      | 3.8   | 18.4    | 66.5   |      | 3.78    |
| Zinc (TREC)              | mg/L     |                     | 0.01 | 0.02   | 0.03      | <MDL  | 0.01    | 0.04   |      | <MDL    |

The upper end of Deer Trail Ditch is monitored at the headgate located on Hubbard Creek. This monitoring point is fitted with a 2' Parsi

Negative Acidity value indicates equivalent value of alkalinity

Plot of Flow and Conductivity



FMC-low  
Canal - Fire Mountain Canal  
Elevation - 5920'

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 5/19/1999 | 5/19/1999 | 5/19/1999 |
| Activated | 5/19/1999 | 5/19/1999 | 5/19/1999 |
| Date      | 8/16/2022 | 6/7/2022  | 3/28/2022 |

| Summary Information      |          |          |     |     |           |          |          |         |         |     |
|--------------------------|----------|----------|-----|-----|-----------|----------|----------|---------|---------|-----|
| Field Parameters         | UNITS    | Baseline |     |     | Operation |          |          |         |         |     |
|                          |          | Min      | Ave | Max | Min       | Ave      | Max      |         |         |     |
| Flow                     | CFS      |          |     |     | 44        | 162      | 182      | 175     | 175     |     |
| FieldComment             |          |          |     |     |           |          |          |         |         | Dry |
| ph                       | su       |          |     |     | 6.8       | 8.2      | 8.9      | 8.3     | 8.2     |     |
| Conductivity             | umhos/cm |          |     |     | 40        | 148      | 280      | 204     |         |     |
| Temperature              | Celsius  |          |     |     | 5.4       | 12.3     | 22.1     | 17.8    | 8.2     |     |
| DO                       | mg/L     |          |     |     | 0.0       | 8.9      | 81.6     | 15.4    | 0.1     |     |
| Lab Parameters           | UNITS    |          |     |     |           |          |          |         |         |     |
|                          |          |          |     |     |           |          |          |         |         |     |
| Bicarbonate              | mg/L     |          |     |     | 25        | 78.7     | 133.8    | 111.00  | 33.40   |     |
| Chloride                 | mg/L     |          |     |     | <MDL      | 8.0      | 51.0     | 1.89    | 1.35    |     |
| Conductivity             | umhos/cm |          |     |     | 71        | 167      | 346      | 195     | 77      |     |
| Hardness                 | mg/L     |          |     |     | 27.58     | 78.93    | 521.00   | 98      | 36      |     |
| Nitrate-Nitrite          | mg/L     |          |     |     | <MDL      | 0.35     | 2.70     | <MDL    | 0.045   |     |
| Oil and Grease           | mg/L     |          |     |     | <MDL      | 46.51    | 68.00    | <MDL    | <MDL    |     |
| pH                       | su       |          |     |     | 6.4       | 7.8      | 8.4      | 8       | 7.9     |     |
| Phosphate                | mg/L     |          |     |     | <MDL      | 0.05     | 0.24     | 0.0589  | 0.0341  |     |
| ResidueFilterable-TDS    | mg/L     |          |     |     | 40        | 121      | 300      | 244     | 64      |     |
| ResidueNonFilterable-TSS | mg/L     |          |     |     | <MDL      | 74       | 474      | 436     | 51      |     |
| SAR                      |          |          |     |     | <MDL      | 0.50     | 1.55     | 0.4     | 0.21    |     |
| Sulfate                  | mg/L     |          |     |     | <MDL      | 12.13    | 51.86    | 6.3     | 5.4     |     |
| Aluminum (TREC)          | mg/L     |          |     |     | <MDL      | 1.45     | 12.70    | 2.13    | 1.46    |     |
| Arsenic (TREC)           | mg/L     |          |     |     | <MDL      | 0.0048   | 0.1000   | 0.00232 | 0.00058 |     |
| Cadmium (TREC)           | mg/L     |          |     |     | <MDL      | 0.0068   | 0.1000   | <MDL    | <MDL    |     |
| Calcium (TREC)           | mg/L     |          |     |     | 7.45      | 20.1     | 37.1     | 30.8    | 11.2    |     |
| Copper (TREC)            | mg/L     |          |     |     | <MDL      | 0.015    | 0.149    | <MDL    | <MDL    |     |
| Iron (TREC)              | mg/L     |          |     |     | 0.02      | 1.50     | 12.30    | 2.43    | 1.25    |     |
| Lead (TREC)              | mg/L     |          |     |     | <MDL      | 0.0066   | 0.0500   | 0.00831 | 0.00098 |     |
| Magnesium (TREC)         | mg/L     |          |     |     | 0.06      | 4.30     | 15.20    | 5.21    | 2.02    |     |
| Manganese (TREC)         | mg/L     |          |     |     | 0.007     | 0.046    | 0.222    | 0.197   | 0.026   |     |
| Mercury (TREC)           | mg/L     |          |     |     | <MDL      | 0.000186 | 0.003000 | <MDL    | <MDL    |     |
| Molybdenum (TREC)        | mg/L     |          |     |     | <MDL      | 0.004    | 0.02     | <MDL    | <MDL    |     |
| Selenium (TREC)          | mg/L     |          |     |     | <MDL      | 0.0020   | 0.0120   | <MDL    | 0.00016 |     |
| Sodium (TREC)            | mg/L     |          |     |     | 2.8       | 11.1     | 41.4     | 8.96    | 2.82    |     |
| Zinc (TREC)              | mg/L     |          |     |     | <MDL      | 0.038    | 0.630    | <MDL    | <MDL    |     |

The area of concern for monitoring point FMC-low was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered operational.

The lower monitoring point for the Fire Mountain Canal is located at a point just south of its crossing under old State Hwy 133. Flow data is received from Fire Mountain Canal records (Trey Dennison 970-527-5166 or cell 970-589-2857).

\* Flow at full capacity near Somerset from their website. Did not receive a call back with actual values.

\*\* Average flow values from last five years

Note: The Fire Mountain Canal was dry before field parameters could be obtained 3Q (2021)

FMC-up  
Canal - Fire Mountain Canal  
Elevation - 5960'

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 5/19/1999 | 5/19/1999 | 5/19/1999 |
| Activated | 5/19/1999 | 5/19/1999 | 5/19/1999 |
| Date      | 8/16/2022 | 6/7/2022  | 3/28/2022 |

| Field Parameters         | UNITS    | Summary Information |     |     | Operation |       |         |         |         |         |
|--------------------------|----------|---------------------|-----|-----|-----------|-------|---------|---------|---------|---------|
|                          |          | Baseline            | Min | Ave | Max       | Min   | Ave     | Max     |         |         |
| Flow                     | CFS      |                     |     |     |           | 13    | 158     | 182     | 175     | 175     |
| FieldComment             |          |                     |     |     |           |       |         |         |         | Dry     |
| ph                       | su       |                     |     |     |           | 7.0   | 8.2     | 8.9     | 7.9     | 8.2     |
| Conductivity             | umhos/cm |                     |     |     |           | 40    | 143     | 290     | 204     | 87      |
| Temperature              | Celsius  |                     |     |     |           | 4.9   | 12.2    | 22.2    | 17.2    | 9.7     |
| DO                       | mg/L     |                     |     |     |           | 0.0   | 8.8     | 82.3    | 18.6    | 0.2     |
| Lab Parameters           | UNITS    |                     |     |     |           |       |         |         |         |         |
| Bicarbonate              | mg/L     |                     |     |     |           | 2.00  | 75.56   | 147.00  | 95      | 31.2    |
| Chloride                 | mg/L     |                     |     |     |           | <MDL  | 10.2    | 103     | 2.25    | 1.29    |
| Conductivity             | umhos/cm |                     |     |     |           | 64    | 171     | 402     | 201     | 84      |
| Hardness                 | mg/L     |                     |     |     |           | 27.78 | 71.15   | 172.49  | 72      | 84      |
| Nitrate-Nitrite          | mg/L     |                     |     |     |           | <MDL  | 0.28    | 2.15    | <MDL    | 0.049   |
| Oil and Grease           | mg/L     |                     |     |     |           | <MDL  | <MDL    | <MDL    | <MDL    | <MDL    |
| pH                       | su       |                     |     |     |           | 6.6   | 7.8     | 8.6     | 7.6     | 7.7     |
| Phosphate                | mg/L     |                     |     |     |           | <MDL  | 0.05    | 0.24    | 0.0651  | <MDL    |
| ResidueFilterable-TDS    | mg/L     |                     |     |     |           | 40    | 121     | 364     | 364     | 64      |
| ResidueNonFilterable-TSS | mg/L     |                     |     |     |           | <MDL  | 87      | 692     | 394     | 692     |
| SAR                      |          |                     |     |     |           | <MDL  | 0.47    | 1.77    | 0.29    | 0.21    |
| Sulfate                  | mg/L     |                     |     |     |           | <MDL  | 11.39   | 51.86   | 6.2     | 6.7     |
| Aluminum (TREC)          | mg/L     |                     |     |     |           | <MDL  | 1.96    | 22.50   | 1.31    | 22.5    |
| Arsenic (TREC)           | mg/L     |                     |     |     |           | <MDL  | 0.0045  | 0.0450  | 0.00207 | 0.00468 |
| Cadmium (TREC)           | mg/L     |                     |     |     |           | <MDL  | 0.0022  | 0.0100  | <MDL    | <MDL    |
| Calcium (TREC)           | mg/L     |                     |     |     |           | 2.3   | 20.3    | 45.0    | 20.7    | 20.4    |
| Copper (TREC)            | mg/L     |                     |     |     |           | <MDL  | 0.0153  | 0.1440  | <MDL    | 0.023   |
| Iron (TREC)              | mg/L     |                     |     |     |           | 0.03  | 2.06    | 26.30   | 2.44    | 26.30   |
| Lead (TREC)              | mg/L     |                     |     |     |           | <MDL  | 0.0057  | 0.0300  | 0.00754 | 0.0152  |
| Magnesium (TREC)         | mg/L     |                     |     |     |           | 1.5   | 4.5     | 14.6    | 4.9     | 8.0     |
| Manganese (TREC)         | mg/L     |                     |     |     |           | 0.007 | 0.058   | 0.494   | 0.152   | 0.494   |
| Mercury (TREC)           | mg/L     |                     |     |     |           | <MDL  | 0.00004 | 0.00018 | <MDL    | <MDL    |
| Molybdenum (TREC)        | mg/L     |                     |     |     |           | <MDL  | 0.004   | 0.030   | <MDL    | <MDL    |
| Selenium (TREC)          | mg/L     |                     |     |     |           | <MDL  | 0.0019  | 0.0110  | 0.00014 | 0.0005  |
| Sodium (TREC)            | mg/L     |                     |     |     |           | 2.8   | 10.3    | 36.6    | 5.5     | 4.3     |
| Zinc (TREC)              | mg/L     |                     |     |     |           | <MDL  | 0.018   | 0.090   | <MDL    | 0.087   |

The area of concern for monitoring point FMC-up was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered operational.

The upper monitoring point for the Fire Mountain Canal is located where the ditch crosses Hubbard Creek. Flow data is received from Fire Mountain Canal records (Trey Dennison 970-527-5166 or cell 970-589-2857).

\* Flow at full capacity near Somerset from their website. Did not receive a call back with actual values.

\*\* Average flow values from last five years

Note: The Fire Mountain Canal was dry before field parameters could be obtained 3Q (2020)

There is no baseline collection possible for points initiated after the influence of mining.

Free-low  
Freeman Gulch - Drainage System  
Elevation - 7560

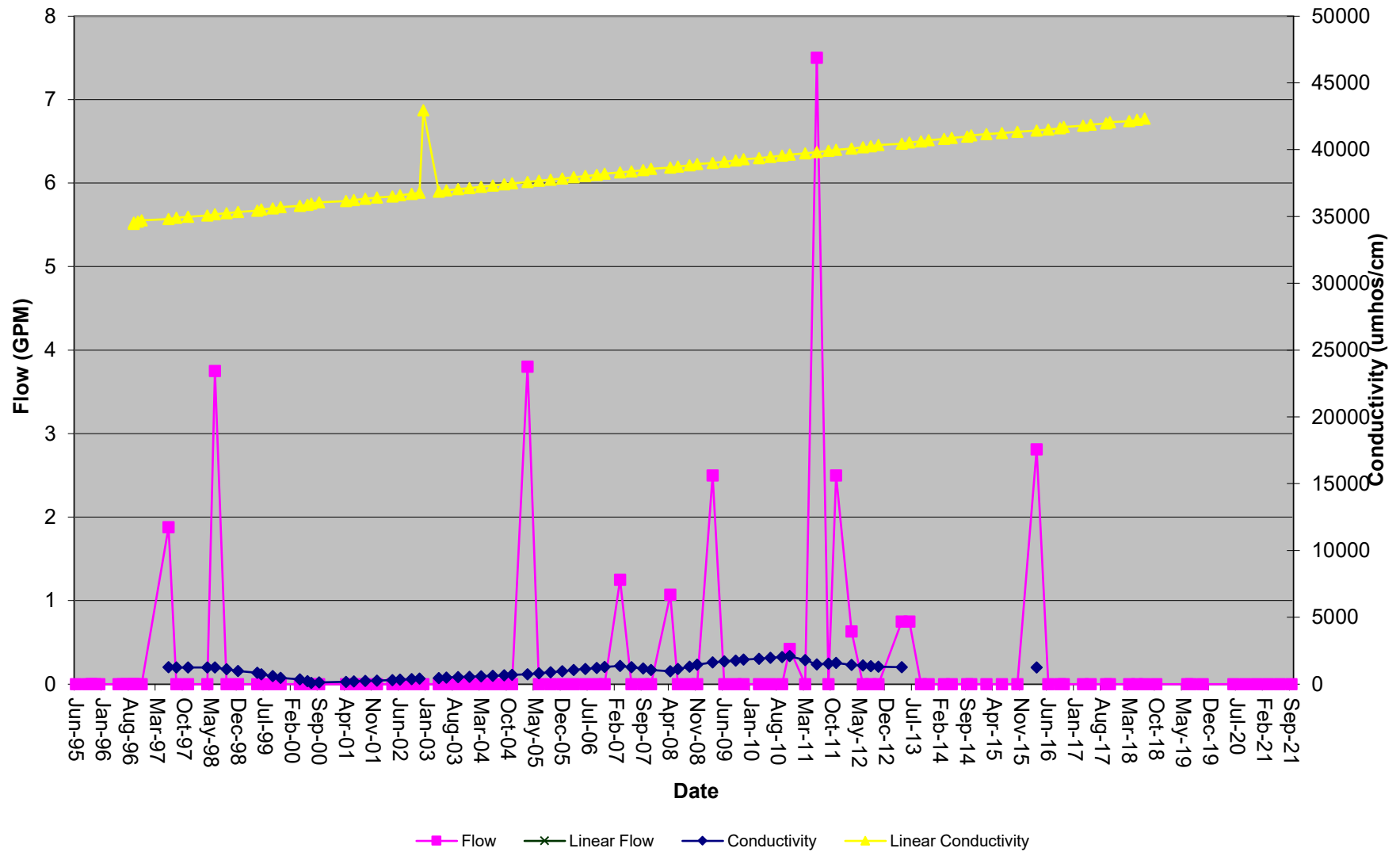
|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 6/12/1995 | 6/12/1995 | 6/12/1995 | 6/12/1995 |
| Activated | 6/23/1999 | 6/23/1999 | 6/23/1999 | 6/23/1999 |
| Date      | 11/3/2022 | 9/6/2022  | 6/8/2022  | 3/28/2022 |

| Field Parameters         | UNITS    | Summary Information |       |       |           |         |         |     |     |     |     |
|--------------------------|----------|---------------------|-------|-------|-----------|---------|---------|-----|-----|-----|-----|
|                          |          | Baseline            |       |       | Operation |         |         |     |     |     |     |
|                          |          | Min                 | Ave   | Max   | Min       | Ave     | Max     |     |     |     |     |
| Flow                     | GPM      | 0.00                | 0.24  | 3.75  | 0.00      | 0.27    | 7.50    | 0   | 0   | 0   | 0   |
| FieldComment             |          |                     |       |       |           |         |         | Dry | Dry | Dry | Dry |
| ph                       | su       | 8.3                 | 8.5   | 8.6   | 7.3       | 8.2     | 8.6     |     |     |     |     |
| Conductivity             | umhos/cm | 1240                | 1250  | 1260  | 90        | 1303    | 2100    |     |     |     |     |
| Temperature              | Celsius  | 18.4                | 19.8  | 21.2  | 0.6       | 12.3    | 23.0    |     |     |     |     |
| Lab Parameters           | UNITS    |                     |       |       |           |         |         |     |     |     |     |
|                          |          |                     |       |       |           |         |         |     |     |     |     |
| Bicarbonate              | mg/L     | 594                 | 604   | 614   | 238.6     | 342.4   | 543.9   |     |     |     |     |
| Chloride                 | mg/L     | 16                  | 18    | 19    | 3.06      | 8.13    | 11.41   |     |     |     |     |
| Conductivity             | umhos/cm | 1170                | 1190  | 1210  | 1321      | 1754    | 2470    |     |     |     |     |
| Hardness                 | mg/L     | 404                 | 430   | 456   | 308.0     | 404.7   | 578.9   |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | <MDL                | <MDL  | <MDL  | 0.48      | 0.48    | 0.48    |     |     |     |     |
| Oil and Grease           | mg/L     | <MDL                | <MDL  | <MDL  | <MDL      | <MDL    | <MDL    |     |     |     |     |
| pH                       | su       | 8.3                 | 8.3   | 8.4   | 7.6       | 7.7     | 7.8     |     |     |     |     |
| Phosphate                | mg/L     | <MDL                | <MDL  | <MDL  | <MDL      | <MDL    | <MDL    |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 730                 | 765   | 800   | 1056      | 1263    | 1590    |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 3     | 6     | 6         | 36      | 90      |     |     |     |     |
| SAR                      |          | 2.48                | 2.63  | 2.78  | 2.91      | 4.45    | 5.30    |     |     |     |     |
| Sulfate                  | mg/L     | 130                 | 130   | 130   | 316.9     | 382.4   | 507.5   |     |     |     |     |
| Aluminum (TREC)          | mg/L     | 0.13                | 0.21  | 0.29  | <MDL      | 0.40    | 0.61    |     |     |     |     |
| Arsenic (TREC)           | mg/L     | <MDL                | <MDL  | <MDL  | 0.002     | 0.005   | 0.006   |     |     |     |     |
| Cadmium (TREC)           | mg/L     | <MDL                | <MDL  | <MDL  | 0.002     | 0.005   | 0.010   |     |     |     |     |
| Calcium (TREC)           | mg/L     | 56.4                | 61.2  | 65.9  | 50.80     | 66.93   | 98.40   |     |     |     |     |
| Copper (TREC)            | mg/L     | <MDL                | 0.005 | 0.01  | 0.01      | 0.02    | 0.02    |     |     |     |     |
| Iron (TREC)              | mg/L     | 0.11                | 0.15  | 0.19  | 0.06      | 0.08    | 0.10    |     |     |     |     |
| Lead (TREC)              | mg/L     | <MDL                | <MDL  | <MDL  | 0.02      | 0.03    | 0.03    |     |     |     |     |
| Magnesium (TREC)         | mg/L     | 64.1                | 67.5  | 70.8  | 44.0      | 57.7    | 80.9    |     |     |     |     |
| Manganese (TREC)         | mg/L     | 0.010               | 0.013 | 0.016 | 0.00      | 0.03    | 0.06    |     |     |     |     |
| Mercury (TREC)           | mg/L     | <MDL                | <MDL  | <MDL  | 0.00001   | 0.00006 | 0.00008 |     |     |     |     |
| Molybdenum (TREC)        | mg/L     | <MDL                | <MDL  | <MDL  | <MDL      | 0.003   | 0.005   |     |     |     |     |
| Selenium (TREC)          | mg/L     | <MDL                | <MDL  | <MDL  | <MDL      | 0.016   | 0.018   |     |     |     |     |
| Sodium (TREC)            | mg/L     | 120                 | 124   | 127   | 163.0     | 199.3   | 223.5   |     |     |     |     |
| Zinc (TREC)              | mg/L     | <MDL                | 0.01  | 0.03  | <MDL      | 0.03    | 0.06    |     |     |     |     |

Baseline Information for Point Free-low is derived from events beginning 6/12/95 through 6/23/99.  
Point influenced by mining on 6/23/99.

Figure 74

Plot of Flow and Conductivity





Free-up  
Freeman Gulch - Drainage System  
Elevation - 6360

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 6/12/1995 | 6/12/1995 | 6/12/1995 | 6/12/1995 |
| Activated | 6/28/1999 | 6/28/1999 | 6/28/1999 | 6/28/1999 |
| Date      | 11/3/2022 | 9/6/2022  | 6/8/2022  | 3/28/2022 |

| Field Parameters         | UNITS    | Summary Information |      |      |           |        |        |     |     |     |   |
|--------------------------|----------|---------------------|------|------|-----------|--------|--------|-----|-----|-----|---|
|                          |          | Baseline            |      |      | Operation |        |        |     |     |     |   |
|                          |          | Min                 | Ave  | Max  | Min       | Ave    | Max    |     |     |     |   |
| Flow                     | GPM      | 0.00                | 0.00 | 0.00 | 0.00      | 0.24   | 10.30  | 0   | 0   | 0   |   |
| FieldComment             |          |                     |      |      |           |        |        | Dry | Dry | Dry | * |
| ph                       | su       |                     |      |      | 6.68      | 7.50   | 8.00   |     |     | *   |   |
| Conductivity             | umhos/cm |                     |      |      | 710.00    | 723.50 | 759.00 |     |     |     |   |
| Temperature              | Celsius  |                     |      |      | 7.20      | 8.65   | 11.50  |     |     |     |   |
| Lab Parameters           | UNITS    |                     |      |      |           |        |        |     |     |     |   |
| Bicarbonate              | mg/L     |                     |      |      | 323.00    | 341.50 | 360.00 |     |     |     |   |
| Chloride                 | mg/L     |                     |      |      | <MDL      | <MDL   | 2.20   |     |     |     |   |
| Conductivity             | umhos/cm |                     |      |      | 519.00    | 587.50 | 656.00 |     |     |     |   |
| Hardness                 | mg/L     |                     |      |      | 237.00    | 241.00 | 245.00 |     |     |     |   |
| Nitrate-Nitrite          | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| Oil and Grease           | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| pH                       | su       |                     |      |      | 7.37      | 7.37   | 7.55   |     |     |     |   |
| Phosphate                | mg/L     |                     |      |      | 0.02      | <MDL   | 0.02   |     |     |     |   |
| ResidueFilterable-TDS    | mg/L     |                     |      |      | 418.00    | 429.00 | 429.00 |     |     |     |   |
| ResidueNonFilterable-TSS | mg/L     |                     |      |      | 7.40      | <MDL   | 7.40   |     |     |     |   |
| SAR                      |          |                     |      |      | 1.86      | 1.86   | 1.91   |     |     |     |   |
| Sulfate                  | mg/L     |                     |      |      | 96.50     | <MDL   | 96.50  |     |     |     |   |
| Aluminum                 | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| Arsenic                  | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| Cadmium                  | mg/L     |                     |      |      | 0.02      | 0.02   | 0.02   |     |     |     |   |
| Calcium                  | mg/L     |                     |      |      | 66.10     | 67.70  | 67.70  |     |     |     |   |
| Copper                   | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| Iron (Total)             | mg/L     |                     |      |      | 0.03      | 0.03   | 0.07   |     |     |     |   |
| Lead                     | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| Magnesium                | mg/L     |                     |      |      | 17.40     | 18.50  | 18.50  |     |     |     |   |
| Manganese (Total)        | mg/L     |                     |      |      | 0.01      | 0.01   | 0.01   |     |     |     |   |
| Mercury                  | mg/L     |                     |      |      | 0.11      | <MDL   | 0.11   |     |     |     |   |
| Molybdenum               | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |
| Selenium                 | mg/L     |                     |      |      | 0.08      | 0.08   | 0.08   |     |     |     |   |
| Sodium                   | mg/L     |                     |      |      | 57.60     | 68.20  | 68.20  |     |     |     |   |
| Zinc                     | mg/L     |                     |      |      | 0.00      | <MDL   | 0.00   |     |     |     |   |

\* Site in accesible due to snow

Upper Freeman Gulch is monitored just below Pond 2 at the upper end of Freeman Gulch, near drill holes DH34-B and DH34-C.

Note: Site was not accessible during 1Q 2018

Baseline Information for Point Free-up is derived from events beginning 6/12/95 through 6/28/99.  
Point influenced by mining on 6/28/99.

**HUB-low**  
**Hubbard Creek - Drainage System**  
**Elevation - 5880**

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 9/30/1996 | 9/30/1996 | 9/30/1996 | 9/30/1996 |
| Activated | 6/23/1999 | 6/23/1999 | 6/23/1999 | 6/23/1999 |
| Date      | 11/1/2022 | 8/16/2022 | 6/8/2022  |           |

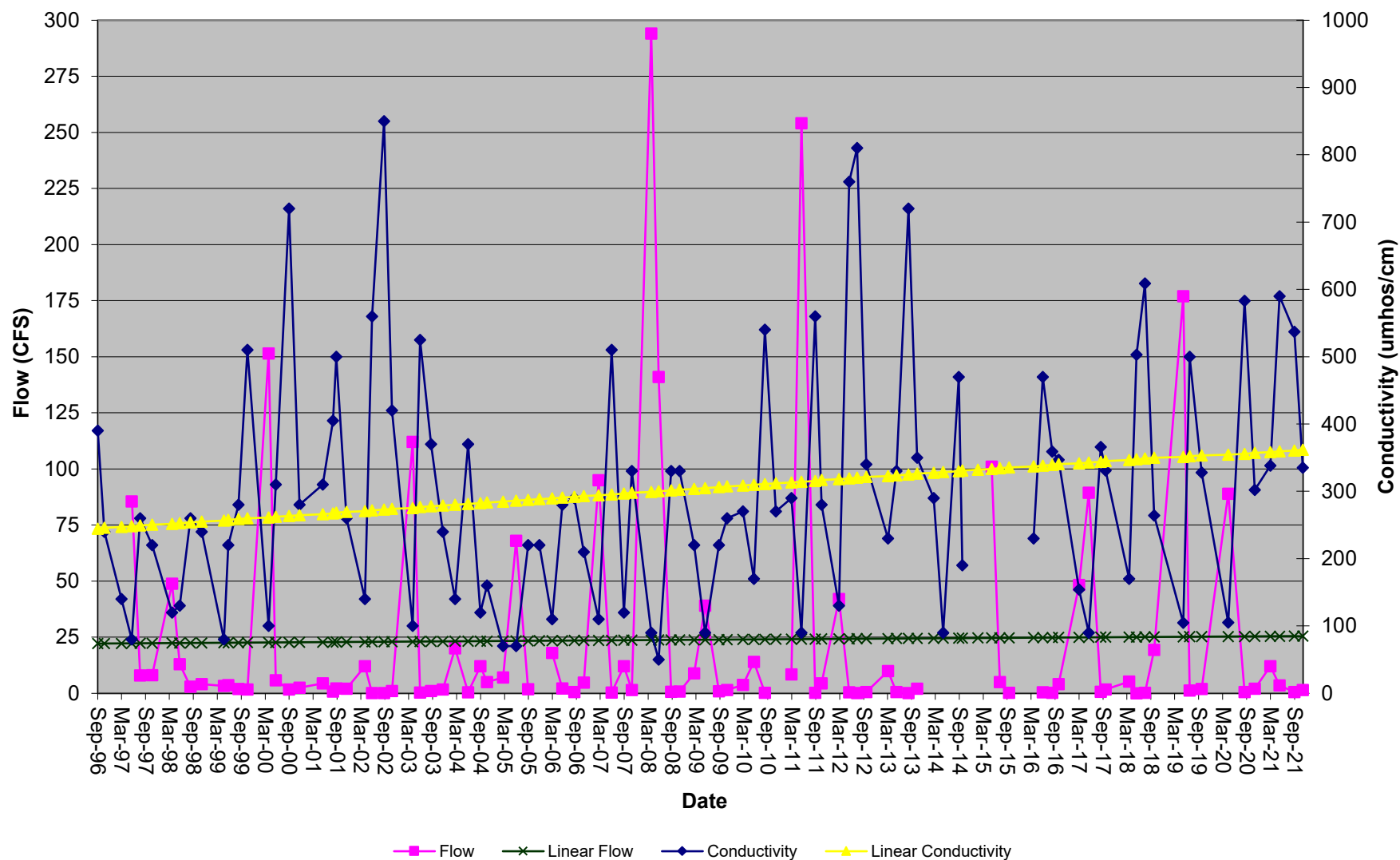
| Field Parameters         | UNITS    | Summary Information |         |        | Baseline |         |         | Operation |         |      |         |   |  |
|--------------------------|----------|---------------------|---------|--------|----------|---------|---------|-----------|---------|------|---------|---|--|
|                          |          | Min                 | Ave     | Max    | Min      | Ave     | Max     | Min       | Ave     | Max  |         |   |  |
| Flow                     | CFS      | 2.90                | 19.67   | 85.51  | 0.04     | 25.07   | 294.00  | 6.2       | 0.1     | 39.0 | 70.0    |   |  |
| FieldComment             |          |                     |         |        |          |         |         |           |         |      |         | * |  |
| ph                       | su       | 8.0                 | 8.5     | 9.3    | 7.1      | 8.3     | 9.0     | 8.6       | 8.0     | 7.6  |         |   |  |
| Conductivity             | umhos/cm | 80                  | 198     | 390    | 50       | 309     | 850     | 245       | 162     | 116  |         |   |  |
| Temperature              | Celsius  | 2.3                 | 11.1    | 20.2   | 0.3      | 9.6     | 21.7    | 2.9       | 16.8    | 11.0 |         |   |  |
| Lab Parameters           | UNITS    |                     |         |        |          |         |         |           |         |      |         |   |  |
| Bicarbonate              | mg/L     | 62                  | 115     | 155    | 28       | 140     | 690     |           | 106     |      | 51      |   |  |
| Chloride                 | mg/L     | <MDL                | 1.7     | 3.0    | <MDL     | 25.3    | 203.6   |           | 3.72    |      | 1.21    |   |  |
| Conductivity             | umhos/cm | 118                 | 254     | 406    | 87       | 321     | 711     |           | 232     |      | 104     |   |  |
| Hardness                 | mg/L     | 49                  | 96      | 138    | 0.06     | 124.19  | 315.52  |           | 97      |      | 48      |   |  |
| Nitrate-Nitrite          | mg/L     | <MDL                | 0.05    | 0.29   | <MDL     | 0.18    | 1.62    |           | <MDL    |      | <MDL    |   |  |
| Oil and Grease           | mg/L     | <MDL                | 3.0     | 3.0    | <MDL     | 3.0     | 3.0     |           | <MDL    |      | <MDL    |   |  |
| pH                       | su       | 7.5                 | 7.9     | 8.3    | 6.9      | 8.0     | 8.4     |           | 7.4     |      | 7.9     |   |  |
| Phosphate                | mg/L     | <MDL                | 0.004   | 0.030  | <MDL     | 0.04    | 0.27    |           | 0.0558  |      | 0.0558  |   |  |
| ResidueFilterable-TDS    | mg/L     | 100                 | 163     | 260    | 60       | 230     | 563     |           | 146     |      | 86      |   |  |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 33      | 170    | <MDL     | 21      | 200     |           | <MDL    |      | 32      |   |  |
| SAR                      |          | <MDL                | 0.47    | 1.04   | <MDL     | 0.84    | 2.62    |           | 0.58    |      | 0.27    |   |  |
| Sulfate                  | mg/L     | <MDL                | 17      | 50     | <MDL     | 32      | 102     |           | 12.4    |      | <MDL    |   |  |
| Aluminum (TREC)          | mg/L     | 0.05                | 0.58    | 1.91   | <MDL     | 19.63   | 733.00  |           | 0.295   |      | 1.24    |   |  |
| Arsenic (TREC)           | mg/L     | <MDL                | 0.0004  | 0.0010 | <MDL     | 0.0073  | 0.0600  |           | 0.00049 |      | 0.00057 |   |  |
| Cadmium (TREC)           | mg/L     | <MDL                | <MDL    | <MDL   | <MDL     | 0.010   | 0.040   |           | <MDL    |      | <MDL    |   |  |
| Calcium (TREC)           | mg/L     | 13.8                | 26.2    | 36.7   | 8.5      | 32.0    | 70.7    |           | 27.2    |      | 13.6    |   |  |
| Copper (TREC)            | mg/L     | <MDL                | 0.001   | 0.010  | <MDL     | 0.008   | 0.060   |           | <MDL    |      | <MDL    |   |  |
| Iron (TREC)              | mg/L     | 0.09                | 0.54    | 1.44   | 0.06     | 0.35    | 1.28    |           | 0.56    |      | 1.25    |   |  |
| Iron (Dissolved)         | mg/L     | 0.00                | #DIV/0! | 0.00   | 0.07     | 0.13    | 0.17    |           | 0.17    |      | 0.13    |   |  |
| Lead (TREC)              | mg/L     | <MDL                | <MDL    | <MDL   | <MDL     | 0.0130  | 0.0700  |           | 0.00018 |      | 0.00054 |   |  |
| Magnesium (TREC)         | mg/L     | 3.6                 | 7.4     | 11.2   | 2.4      | 11.1    | 34.6    |           | 6.9     |      | 3.4     |   |  |
| Manganese (TREC)         | mg/L     | 0.009               | 0.016   | 0.034  | <MDL     | 0.022   | 0.080   |           | 0.014   |      | 0.034   |   |  |
| Mercury (TREC)           | mg/L     | <MDL                | <MDL    | <MDL   | <MDL     | 0.00007 | 0.00018 |           | <MDL    |      | <MDL    |   |  |
| Molybdenum (TREC)        | mg/L     | <MDL                | <MDL    | <MDL   | <MDL     | 0.006   | 0.030   |           | <MDL    |      | <MDL    |   |  |
| Selenium (TREC)          | mg/L     | <MDL                | 0.001   | 0.010  | <MDL     | 0.0039  | 0.0200  |           | 0.00013 |      | 0.00017 |   |  |
| Sodium (TREC)            | mg/L     | 5.3                 | 15.9    | 27.6   | 3.6      | 24.6    | 73.0    |           | 12.9    |      | 4.2     |   |  |
| Zinc (TREC)              | mg/L     | <MDL                | 0.01    | 0.04   | <MDL     | 0.009   | 0.037   |           | <MDL    |      | <MDL    |   |  |

Note 1: USGS did not collect flow values.

\* Flow not provided

The Lower Hubbard Creek monitoring point is located at a concrete box culvert under the Union Pacific railroad track just above the North Fork of the Gunnison. Flow values are taken from USGS site # 9132960

Plot of Flow and Conductivity



**Bowie Resources, LLC**  
**Bowie No. 2 Mine**  
**2022 Annual Hydrology Report**

**Surface Water**

**NFG-low**  
**North Fork - Drainage System**  
**Elevation - 5680**

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 9/30/1996 | 9/30/1996 | 9/30/1996 |
| Activated | 3/31/1997 | 3/31/1997 | 3/31/1997 |
| Date      | 11/2/2022 | 8/16/2022 | 6/13/2022 |

| Summary Information      |          |          |       |       |           |         |         |         |      |         |
|--------------------------|----------|----------|-------|-------|-----------|---------|---------|---------|------|---------|
| Field Parameters         | UNITS    | Baseline |       |       | Operation |         |         |         |      |         |
|                          |          | Min      | Ave   | Max   | Min       | Ave     | Max     |         |      |         |
| Flow                     | CFS      | 99       | 292   | 610   | 30        | 479     | 3080    |         | 252  | 1560    |
| FieldComment             |          |          |       |       |           |         |         | **      |      |         |
| ph                       | su       | 8.1      | 8.4   | 8.7   | 5.0       | 8.3     | 9.1     | 8.6     | 8.3  | 7.9     |
| Conductivity             | umhos/cm | 160      | 180   | 200   | 26        | 191     | 356     | 49      | 244  | 26      |
| Temperature              | Celsius  | 4.0      | 8.5   | 14.6  | 0.3       | 10.9    | 22.6    | 4.6     | 17.7 | 11.5    |
| DO                       | mg/L     |          |       |       | 0.0       | 9.3     | 91.7    | 24.1    | 17.3 | 0.96    |
| Lab Parameters           | UNITS    |          |       |       |           |         |         |         |      |         |
| Bicarbonate              | mg/L     | 95       | 100   | 105   | 28.1      | 82.6    | 148.0   |         |      | 38.8    |
| Chloride                 | mg/L     | 2.00     | 2.50  | 3.00  | <MDL      | 23.47   | 288.30  | 1.86    |      | 1.03    |
| Chromium III CrIII       | mg/L     |          |       |       | <MDL      | <MDL    | <MDL    | <MDL    |      |         |
| Chromium VI CrIV         | mg/L     |          |       |       | <MDL      | <MDL    | <MDL    | <MDL    |      |         |
| Cyanide, Total           | mg/L     |          |       |       | <MDL      | <MDL    | <MDL    | <MDL    |      |         |
| Conductivity             | umhos/cm | 201      | 222   | 242   | 78        | 207     | 754     |         |      | 87      |
| Hardness                 | mg/L     | 84       | 85    | 85    | <MDL      | 83.26   | 270.40  |         |      | 39      |
| Nitrate                  | mg/L     | <MDL     | 0.08  | 0.16  | <MDL      | 0.33    | 3.90    | <MDL    |      |         |
| Nitrate-Nitrite          | mg/L     | 0.00     | 0.08  | 0.16  | <MDL      | <MDL    | <MDL    | <MDL    |      | <MDL    |
| Nitrite                  | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.002   | 0.010   | <MDL    |      |         |
| Ammonia                  | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.06    | 0.31    | <MDL    |      |         |
| Oil & Grease             | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 4       | 5       | <MDL    |      | <MDL    |
| pH                       | su       | 8.0      | 8.0   | 8.0   | 7.0       | 7.9     | 8.8     | 7.6     |      | 7.7     |
| Phosphate                | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.10    | 1.50    |         |      | <MDL    |
| ResidueFilterable-TDS    | mg/L     | 130      | 140   | 150   | 50        | 154     | 692     | 144     |      | 68      |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 3     | 6     | <MDL      | 22      | 141     |         |      | 15      |
| SAR                      |          | 0.55     | 0.61  | 0.66  | <MDL      | 0.60    | 2.42    |         |      | 0.23    |
| Sulfate                  | mg/L     | 10.0     | 15.0  | 20.0  | <MDL      | 15.8    | 82.5    | 12.3    |      | 5.9     |
| Sulfide S                | mg/L     |          |       |       | <MDL      | 0.04    | 0.04    | <MDL    |      |         |
| Aluminum (TREC)          | mg/L     | 0.10     | 0.15  | 0.21  | <MDL      | 0.41    | 1.77    |         |      | 0.674   |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.001 | 0.001 | <MDL      | 0.0054  | 0.0500  | 0.00137 |      | 0.00036 |
| Boron                    | mg/L     |          |       |       | 0.02      | 0.46    | 1.35    | 0.035   |      |         |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.0029  | 0.0180  | <MDL    |      | <MDL    |
| Calcium (TREC)           | mg/L     | 24.6     | 24.8  | 25.0  | 6.9       | 26.6    | 132.0   | <MDL    |      | 11.9    |
| Copper (TREC)            | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.012   | 0.198   | 0.012   |      | <MDL    |
| Iron, Dissolved          | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.35    | 12.90   | <MDL    |      | <MDL    |
| Iron (TREC)              | mg/L     | 0.14     | 0.21  | 0.27  | <MDL      | 0.49    | 4.25    | 4.25    |      | 0.544   |
| Lead (TREC)              | mg/L     | <MDL     | 0.010 | 0.020 | <MDL      | 0.0104  | 0.1500  | 0.00239 |      | 0.00035 |
| Magnesium (TREC)         | mg/L     | 5.30     | 5.50  | 5.70  | 1.98      | 5.98    | 18.80   |         |      | 2.13    |
| Manganese (Dissolved)    | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.146   | 2.900   | <MDL    |      |         |
| Manganese (TREC)         | mg/L     | 0.021    | 0.090 | 0.160 | 0.007     | 0.046   | 0.802   | 0.103   |      | 0.014   |
| Mercury (TREC)           | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.00007 | 0.00030 | <MDL    |      | <MDL    |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.004   | 0.030   | <MDL    |      | <MDL    |
| Nickel                   | mg/L     |          |       |       | <MDL      | 0.010   | 0.010   | <MDL    |      |         |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL  | <MDL  | <MDL      | 0.003   | 0.034   | 0.00025 |      | 0.00016 |
| Silver                   | mg/L     |          |       |       | <MDL      | <MDL    | <MDL    | <MDL    |      |         |
| Sodium (TREC)            | mg/L     | 11.5     | 12.2  | 12.9  | 3.0       | 14.5    | 91.5    |         |      | 3.3     |
| Zinc (TREC)              | mg/L     | 0.02     | 0.02  | 0.03  | <MDL      | 0.02    | 0.16    | <MDL    |      | <MDL    |

Field parameters, except flow, for the Lower North Fork of the Gunnison River are taken on the river approximately 1500' below the confluence of Terror Creek and the North Fork of the Gunnison. Flow data for the North Fork of the Gunnison river is obtained from USGS station #09132500.

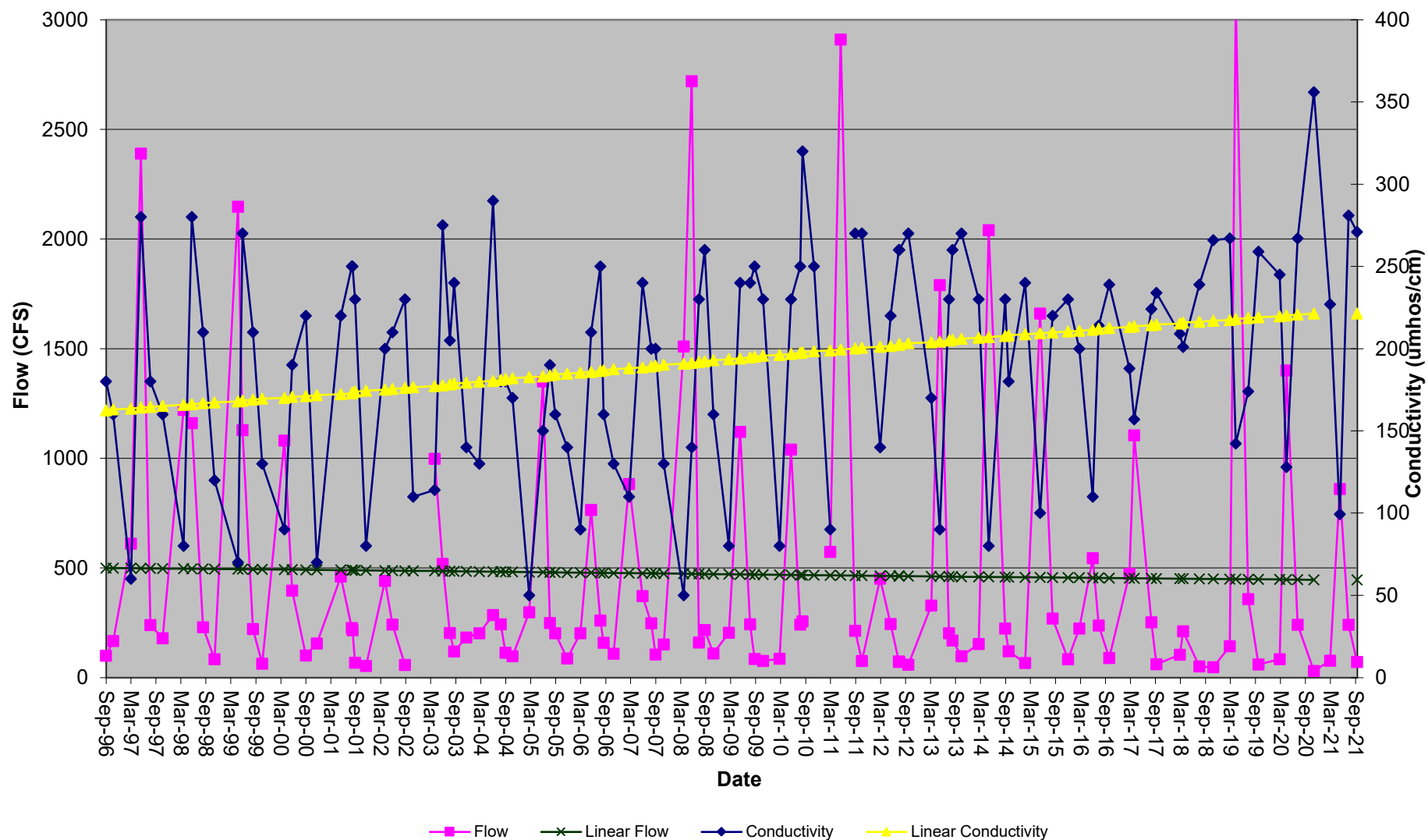
\* Site not accessible 1Q

\*\* No data, covered in ice

Baseline Information for Point NFG-low is derived from events beginning on 9/30/96 through 3/31/97. Point influenced by mining on 3/31/97.

Figure 79

Plot of Flow and Conductivity



NFG-up  
North Fork - Drainage System  
Elevation - 5880

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 9/30/1996 | 9/30/1996 | 9/30/1996 | 9/30/1996 |
| Activated | 3/31/1997 | 3/31/1997 | 3/31/1997 | 3/31/1997 |
| Date      | 11/1/2022 | 8/16/2022 | 6/8/2022  |           |

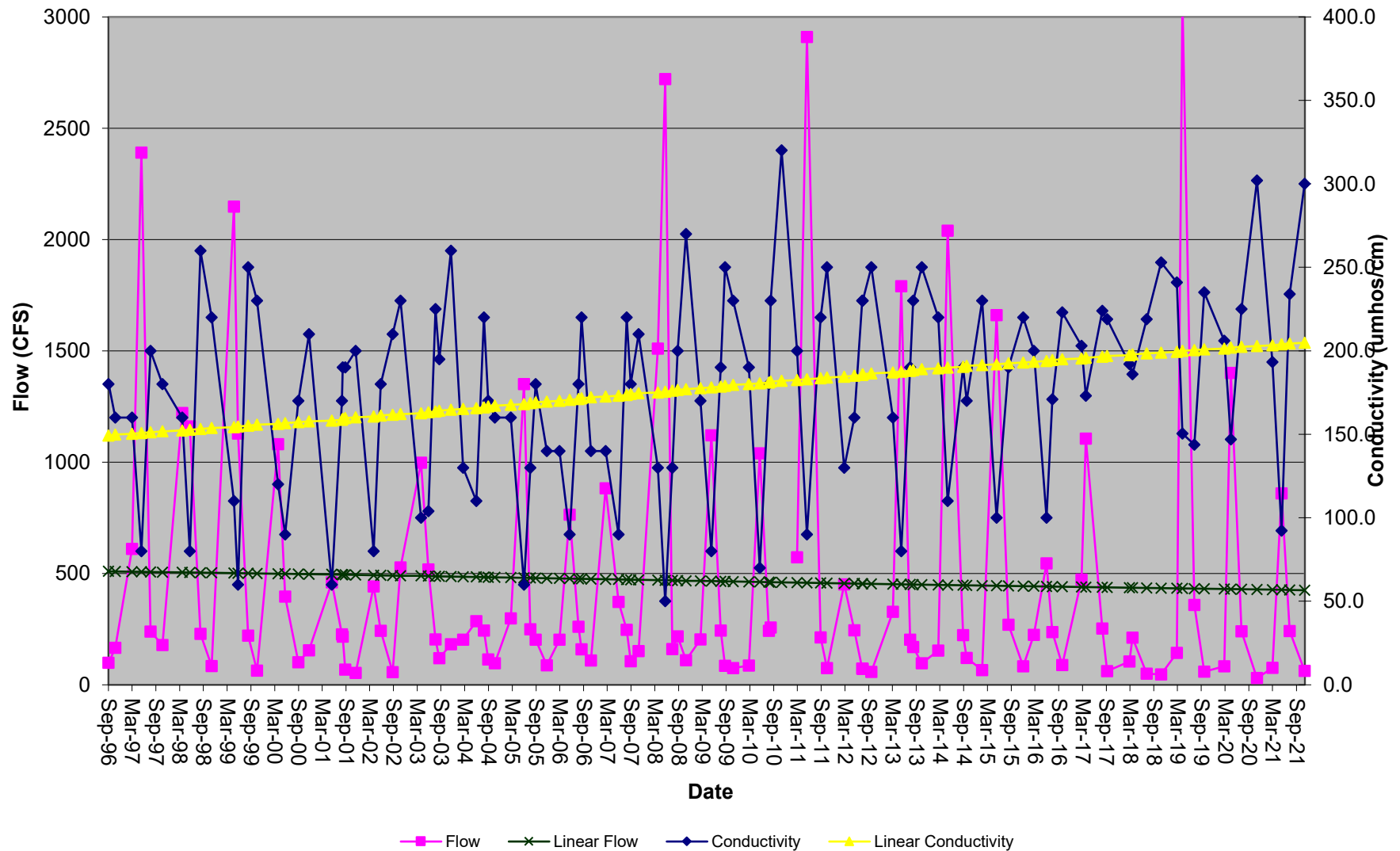
| Field Parameters         | UNITS    | Summary Information |       |       | Operation |      |         |         |         |         |
|--------------------------|----------|---------------------|-------|-------|-----------|------|---------|---------|---------|---------|
|                          |          | Baseline            | Min   | Ave   | Max       | Min  | Ave     | Max     |         |         |
| Flow                     | CFS      |                     | 99    | 292   | 610       | 30   | 479     | 3080    |         |         |
| FieldComment             |          |                     |       |       |           |      |         |         | **      | *       |
| pH                       | su       |                     | 8.1   | 8.5   | 8.8       | 7.1  | 8.3     | 9.7     |         |         |
| Conductivity             | umhos/cm |                     | 160   | 167   | 180       | 50   | 177     | 320     |         |         |
| Temperature              | Celsius  |                     | 3.6   | 7.3   | 13.7      | 0.2  | 10.3    | 22.6    |         |         |
| DO                       | mg/L     |                     |       |       |           | 0.1  | 9.8     | 91.2    |         |         |
| Lab Parameters           | UNITS    |                     |       |       |           |      |         |         |         |         |
| Bicarbonate              | mg/L     |                     | 88    | 93    | 98        | 31   | 82      | 203     |         | 48.3    |
| Chloride                 | mg/L     |                     | 2.0   | 2.5   | 3.0       | <MDL | 27.8    | 471.5   | 1.94    | 1.82    |
| Chromium III CrIII       | mg/L     |                     |       |       |           | <MDL | <MDL    | <MDL    | <MDL    | <MDL    |
| Chromium VI CrIV         | mg/L     |                     |       |       |           | <MDL | 0.008   | 0.008   |         | <MDL    |
| Cyanide, Total           | mg/L     |                     |       |       |           | <MDL | 0.067   | 0.081   | <MDL    |         |
| Conductivity             | umhos/cm |                     | 185   | 205   | 225       | 7    | 198     | 668     |         | 102     |
| Hardness                 | mg/L     |                     | 74    | 77    | 79        | 26.5 | 78.9    | 253.0   | 86.00   | 44.00   |
| Nitrate                  | mg/L     |                     | <MDL  | 0.05  | 0.09      | <MDL | 0.36    | 3.47    | <MDL    |         |
| Nitrate/Nitrite          | mg/L     |                     | 0.00  | 0.05  | 0.09      | <MDL | 0.3     | 3       | <MDL    | 0.026   |
| Nitrite                  | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.004   | 0.017   | <MDL    |         |
| Ammonia                  | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.04    | 0.23    | <MDL    |         |
| Oil & Grease             | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 7       | 11      | <MDL    | <MDL    |
| pH                       | su       |                     | 7.9   | 8.0   | 8.0       | 6.9  | 7.9     | 9.0     | 7.5     | 7.8     |
| Phosphate                | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.12    | 1.90    |         | <MDL    |
| ResidueFilterable-TDS    | mg/L     |                     | 120   | 130   | 140       | 9    | 146     | 522     | 356     | 64      |
| ResidueNonFilterable-TSS | mg/L     |                     | 10    | 11    | 12        | <MDL | 23      | 131     |         | 36      |
| SAR                      |          |                     | 0.42  | 0.60  | 0.78      | <MDL | 0.64    | 2.39    |         | 0.31    |
| Sulfate                  | mg/L     |                     | 10    | 15    | 20        | <MDL | 18      | 80      | 7.9     | 9.3     |
| Sulfide S                | mg/L     |                     |       |       |           | <MDL | 0.05    | 0.05    | <MDL    |         |
| Aluminum (TREC)          | mg/L     |                     | 0.08  | 0.18  | 0.27      | <MDL | 16.57   | 691.00  |         | 1.43    |
| Arsenic (TREC)           | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.0038  | 0.0350  | 0.00221 | 0.00064 |
| Boron                    | mg/L     |                     |       |       |           | 0.02 | 0.45    | 1.20    | 0.035   |         |
| Cadmium (TREC)           | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.007   | 0.031   | <MDL    | <MDL    |
| Calcium (TREC)           | mg/L     |                     | 21.9  | 22.9  | 24.0      | 7.0  | 24.3    | 138.0   | <MDL    | 12.8    |
| Copper (TREC)            | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.012   | 0.197   | 0.014   | <MDL    |
| Iron, Dissolved          | mg/L     |                     |       |       |           | <MDL | 0.77    | 22.80   | <MDL    | <MDL    |
| Iron (TREC)              | mg/L     |                     | 0.09  | 0.09  | 0.09      | 0.03 | 2.07    | 81.00   | 4.86    | 1.27    |
| Lead (TREC)              | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.0107  | 0.1200  | 0.0045  | 0.00088 |
| Magnesium (TREC)         | mg/L     |                     | 4.70  | 4.70  | 4.70      | 0.13 | 5.32    | 23.40   | 0.133   | 2.96    |
| Manganese (Dissolved)    | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.49    | 4.66    | <MDL    |         |
| Manganese (TREC)         | mg/L     |                     | 0.011 | 0.015 | 0.019     | <MDL | 0.167   | 7.600   | 0.133   | 0.032   |
| Mercury (TREC)           | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.00006 | 0.00022 | <MDL    | <MDL    |
| Molybdenum (TREC)        | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.004   | 0.030   | <MDL    | <MDL    |
| Nickel                   | mg/L     |                     |       |       |           | <MDL | 0.01    | 0.01    | <MDL    |         |
| Selenium (TREC)          | mg/L     |                     | <MDL  | <MDL  | <MDL      | <MDL | 0.003   | 0.027   | 0.00031 | 0.00017 |
| Silver                   | mg/L     |                     |       |       |           | <MDL | <MDL    | <MDL    | <MDL    |         |
| Sodium (TREC)            | mg/L     |                     | 8.6   | 12.0  | 15.3      | 3.2  | 129.5   | 5420.0  | <MDL    | 4.7     |
| Zinc (TREC)              | mg/L     |                     | 0.020 | 0.025 | 0.030     | <MDL | 0.016   | 0.143   | 0.027   | <MDL    |

Field parameters, except flow in the Upper North Fork of the Gunnison River monitoring point are taken on the river just above its confluence with Hubbard Creek. Flow data for the North Fork of the Gunnison river is obtained from USGS station #09132500.

\* Site not accessible

\*\* No data, covered in ice

Plot of Flow and Conductivity



Steph-low  
Stevens Draw - Drainage System  
Elevation - 7000'

|           |            |           |           |           |
|-----------|------------|-----------|-----------|-----------|
| Initiated | 7/12/1995  | 7/12/1995 | 7/12/1995 | 7/12/1995 |
| Activated | 7/1/2002   | 7/1/2002  | 7/1/2002  | 7/1/2002  |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |           |

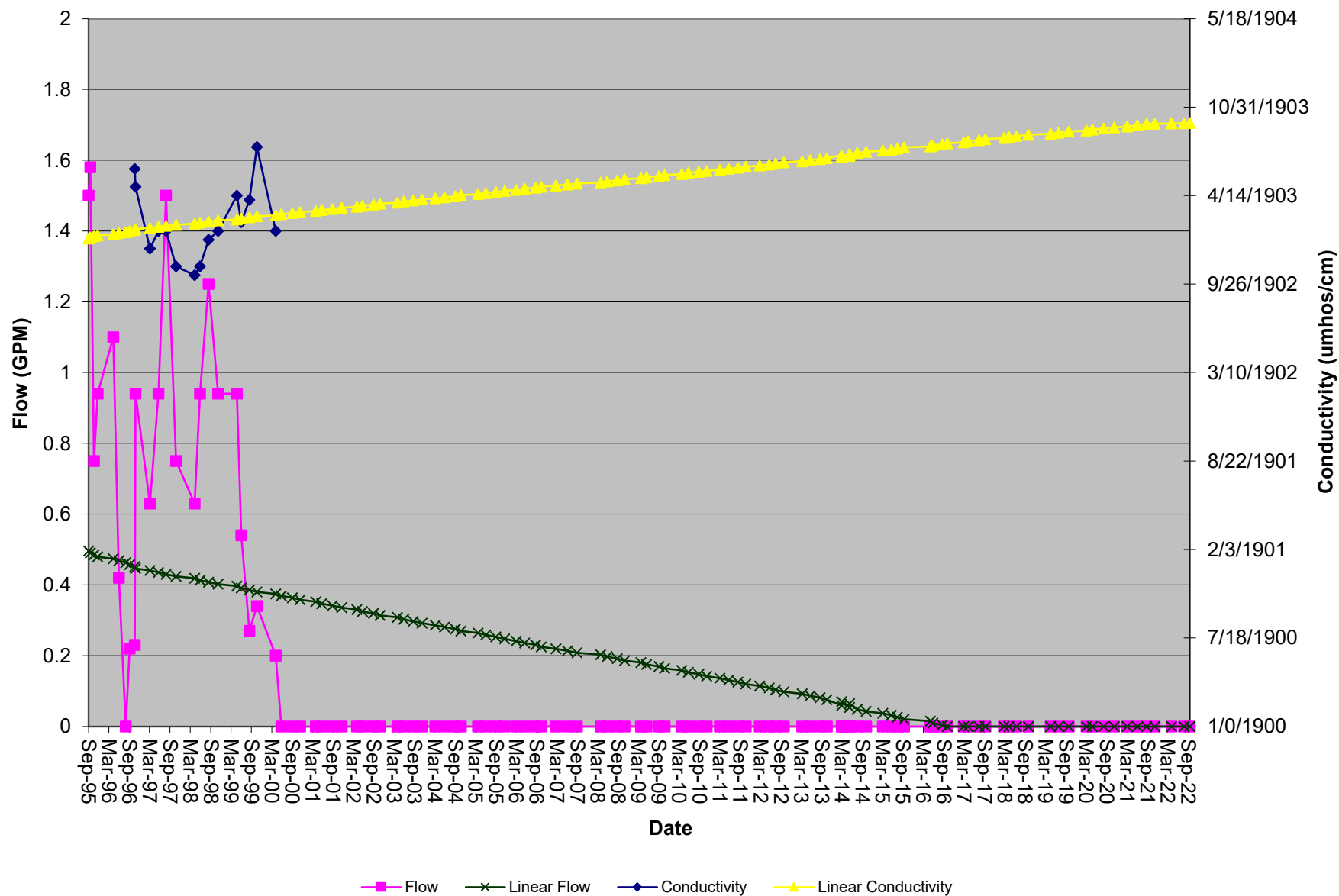
|                          |          | Summary Information |        |       |           |     |     |     |     |     |
|--------------------------|----------|---------------------|--------|-------|-----------|-----|-----|-----|-----|-----|
| Field Parameters         | UNITS    | Baseline            |        |       | Operation |     |     |     |     |     |
|                          |          | Min                 | Ave    | Max   | Min       | Ave | Max |     |     |     |
| Flow                     | GPM      | 0.00                | 0.19   | 4.00  |           |     |     | 0   | 0   | 0   |
| FieldComment             |          |                     |        |       |           |     |     | Dry | Dry | Dry |
| ph                       | su       | 7.9                 | 8.2    | 8.4   |           |     |     |     |     |     |
| Conductivity             | umhos/cm | 1020                | 1139   | 1310  |           |     |     |     |     |     |
| Temperature              | Celsius  | 3.8                 | 10.8   | 17.2  |           |     |     |     |     |     |
| Lab Parameters           |          | UNITS               |        |       |           |     |     |     |     |     |
| Bicarbonate              | mg/L     | 452                 | 495    | 554   |           |     |     |     |     |     |
| Chloride                 | mg/L     | 14                  | 16     | 20    |           |     |     |     |     |     |
| Conductivity             | umhos/cm | 1020                | 1093   | 1180  |           |     |     |     |     |     |
| Hardness                 | mg/L     | 343                 | 382    | 433   |           |     |     |     |     |     |
| Nitrate-Nitrite          | mg/L     | 0.02                | 0.20   | 0.97  |           |     |     |     |     |     |
| Oil and Grease           | mg/L     | <MDL                | 1      | 4     |           |     |     |     |     |     |
| pH                       | su       | 8.0                 | 8.2    | 8.3   |           |     |     |     |     |     |
| Phosphate                | mg/L     | <MDL                | <MDL   | <MDL  |           |     |     |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 660                 | 718    | 780   |           |     |     |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 21     | 58    |           |     |     |     |     |     |
| SAR                      |          | <MDL                | 2.28   | 3.22  |           |     |     |     |     |     |
| Sulfate                  | mg/L     | 150                 | 170    | 190   |           |     |     |     |     |     |
| Aluminum                 | mg/L     | 0.05                | 0.53   | 1.71  |           |     |     |     |     |     |
| Arsenic                  | mg/L     | <MDL                | 0.001  | 0.002 |           |     |     |     |     |     |
| Cadmium                  | mg/L     | <MDL                | <MDL   | <MDL  |           |     |     |     |     |     |
| Calcium                  | mg/L     | 49.4                | 59.6   | 72.4  |           |     |     |     |     |     |
| Copper                   | mg/L     | <MDL                | 0.002  | 0.010 |           |     |     |     |     |     |
| Iron (Total)             | mg/L     | 0.27                | 0.82   | 2.57  |           |     |     |     |     |     |
| Lead                     | mg/L     | <MDL                | <MDL   | <MDL  |           |     |     |     |     |     |
| Magnesium                | mg/L     | 41.3                | 55.9   | 66.2  |           |     |     |     |     |     |
| Manganese (Total)        | mg/L     | 0.070               | 0.211  | 0.566 |           |     |     |     |     |     |
| Mercury                  | mg/L     | <MDL                | <MDL   | <MDL  |           |     |     |     |     |     |
| Molybdenum               | mg/L     | <MDL                | <MDL   | <MDL  |           |     |     |     |     |     |
| Selenium                 | mg/L     | <MDL                | 0.0002 | 0.001 |           |     |     |     |     |     |
| Sodium                   | mg/L     | 99.8                | 120.0  | 152.0 |           |     |     |     |     |     |
| Zinc                     | mg/L     | <MDL                | 0.01   | 0.03  |           |     |     |     |     |     |

The area of concern for monitoring point Steph-low has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

The monitoring point location for Lower Stevens Draw is located in Stevens Draw, just below Pond 1 and Spring 14. It is accessed by a southern fork of the Stevens Draw road.



Plot of Flow and Conductivity



Steph-low - Stevens Draw Drainage system

Steph-up  
Stevens Draw - Drainage System  
Elevation - 7920'

|           |            |           |           |           |
|-----------|------------|-----------|-----------|-----------|
| Initiated | 7/12/1995  | 7/12/1995 | 7/12/1995 | 7/12/1995 |
| Activated | 7/1/2002   | 7/1/2002  | 7/1/2002  | 7/1/2002  |
| Date      | 10/12/2022 | 8/22/2022 | 5/2/2022  |           |

| Field Parameters         | UNITS    | Summary Information |      |      |           |      |      |     |     |     |   |
|--------------------------|----------|---------------------|------|------|-----------|------|------|-----|-----|-----|---|
|                          |          | Baseline            |      |      | Operation |      |      |     |     |     |   |
|                          |          | Min                 | Ave  | Max  | Min       | Ave  | Max  |     |     |     |   |
| Flow                     | GPM      | 0.00                | 0.15 | 5.00 | 0.00      | 0.05 | 3.75 | 0   | 0   | 0   |   |
| FieldComment             |          |                     |      |      |           |      |      | Dry | Dry | Dry | * |
| ph                       | su       |                     |      |      | 7.7       | 7.7  | 7.7  |     |     |     |   |
| Conductivity             | umhos/cm |                     |      |      | 200       | 200  | 200  |     |     |     |   |
| Temperature              | Celsius  |                     |      |      | 11.2      | 11.2 | 11.2 |     |     |     |   |
| Lab Parameters           | UNITS    |                     |      |      |           |      |      |     |     |     |   |
| Bicarbonate              | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Chloride                 | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Conductivity             | umhos/cm |                     |      |      |           |      |      |     |     |     |   |
| Hardness                 | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Nitrate-Nitrite          | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Oil and Grease           | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| pH                       | su       |                     |      |      |           |      |      |     |     |     |   |
| Phosphate                | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| ResidueFilterable-TDS    | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| ResidueNonFilterable-TSS | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| SAR                      |          |                     |      |      |           |      |      |     |     |     |   |
| Sulfate                  | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Aluminum                 | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Arsenic                  | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Cadmium                  | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Calcium                  | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Copper                   | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Iron (Total)             | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Lead                     | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Magnesium                | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Manganese (Total)        | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Mercury                  | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Molybdenum               | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Selenium                 | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Sodium                   | mg/L     |                     |      |      |           |      |      |     |     |     |   |
| Zinc                     | mg/L     |                     |      |      |           |      |      |     |     |     |   |

\* 1Q 2022 site inaccessible

The monitoring point for Upper Stevens Draw is located in Stevens Draw, just below Spring 11. It is accessed by the Stevens Draw road.

SW-01  
West Terror Creek - Downstream  
Elevation - 7140

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 10/24/2013 | 10/24/2013 | 10/24/2013 | 10/24/2013 |
| Activated |            |            |            |            |
| Date      | 11/1/2022  | 9/8/2022   | 6/8/2022   |            |

| Field Parameters         | UNITS    | Summary Information |          |          | Operation |     |     |         |      |         |   |
|--------------------------|----------|---------------------|----------|----------|-----------|-----|-----|---------|------|---------|---|
|                          |          | Baseline            | Baseline | Baseline | Min       | Ave | Max |         |      |         |   |
| Flow                     | CFS      | 0.01                | 3.43     | 52.00    |           |     |     | 1.31    | 0.48 | 1.39    |   |
| Water Level in Flume     | Feet     | 0.025               | 0.556    | 2.000    |           |     |     | 0.48    | 0.25 | 0.5     |   |
| Temperature              | Celsius  | 0                   | 6.8      | 20.2     |           |     |     | 4.9     | 12.1 | 11.4    |   |
| Conductivity             | umhos/cm | 8.23                | 138      | 340      |           |     |     | 122     | 8    | 117     |   |
| pH                       | su       | 0.7                 | 8.1      | 10.6     |           |     |     | 8.2     | 8.2  | 7.6     |   |
| Field Comments           |          |                     |          |          |           |     |     |         |      |         | * |
| Lab Parameters           | UNITS    |                     |          |          |           |     |     |         |      |         |   |
|                          |          | Baseline            | Baseline | Baseline | Min       | Ave | Max |         |      |         |   |
| Bicarbonate              | mg/L     | 37.1                | 68.2     | 90.6     |           |     |     | 61.6    |      | 58.5    |   |
| Chloride                 | mg/L     | 0.56                | 0.88     | 1.40     |           |     |     | 1.4     |      | 0.96    |   |
| Conductivity             | umhos/cm | 65.4                | 107      | 139      |           |     |     | 125     |      | 106     |   |
| Hardness                 | mg/L     | 34                  | 53.38    | 69.90    |           |     |     | 55      |      | 46      |   |
| Acidity                  | mg/L     | -76                 | -54.44   | -25.00   |           |     |     | <MDL    |      | <MDL    |   |
| Nitrate-Nitrite          | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |
| Oil and Grease           | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |
| Phosphate                | mg/L     | 0.017               | 0.07     | 0.24     |           |     |     | 0.0682  |      | 0.24    |   |
| ResidueFilterable-TDS    | mg/L     | 74                  | 100      | 144      |           |     |     | 88      |      | 82      |   |
| ResidueNonFilterable-TSS | mg/L     | <MDL                | 12       | 34       |           |     |     | <MDL    |      | <MDL    |   |
| SAR                      |          | 0.226               | 0.321    | 0.505    |           |     |     | 0.27    |      | 0.34    |   |
| Sulfate                  | mg/L     | 1.4                 | 7.7      | 82.0     |           |     |     | 1.4     |      | <MDL    |   |
| Aluminum (TREC)          | mg/L     | <MDL                | 7.356    | 101.000  |           |     |     | 0.228   |      | 0.58    |   |
| Arsenic (TREC)           | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | 0.00024 |      | 0.00028 |   |
| Cadmium (TREC)           | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |
| Calcium (TREC)           | mg/L     | 8.6                 | 14.0     | 18.0     |           |     |     | 13.7    |      | 12      |   |
| Calcium (Dissolved)      | mg/L     | 1.2                 | 13.9     | 18.2     |           |     |     |         |      |         |   |
| Copper (TREC)            | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |
| Iron (Dissolved)         | mg/L     | 0.0310              | 3.5698   | 41.6000  |           |     |     | <MDL    |      | 0.07    |   |
| Iron (TREC)              | mg/L     | 0.074               | 0.893    | 9.000    |           |     |     | 0.3     |      | 0.5     |   |
| Lead (TREC)              | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | 0.00017 |      | 0.00017 |   |
| Magnesium (TREC)         | mg/L     | 0.10                | 4.35     | 6.07     |           |     |     | 4.95    |      | 3.81    |   |
| Magnesium (Dissolved)    | mg/L     | 0.89                | 4.72     | 6.09     |           |     |     |         |      |         |   |
| Manganese (TREC)         | mg/L     | 0.0003              | 0.0135   | 0.0334   |           |     |     | <MDL    |      | 0.013   |   |
| Mercury (TREC)           | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |
| Molybdenum (TREC)        | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |
| Selenium (TREC)          | mg/L     | <MDL                | 0.00     | 0.01     |           |     |     | <MDL    |      | 0.000   |   |
| Sodium (TREC)            | mg/L     | 3.37                | 5.47     | 8.50     |           |     |     | 4.53    |      | 5.23    |   |
| Sodium (Dissolved)       | mg/L     | 3.48                | 5.78     | 8.66     |           |     |     |         |      |         |   |
| Zinc (TREC)              | mg/L     | <MDL                | <MDL     | <MDL     |           |     |     | <MDL    |      | <MDL    |   |

The area of concern for monitoring point SW-01 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Negative acidity value indicates equivalent value of alkalinity

SW-02  
Terror Creek - Mid Stream  
Elevation - 7040

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 10/24/2013 | 10/24/2013 | 10/24/2013 | 10/24/2013 |
| Activated |            |            |            |            |
| Date      | 11/1/2022  | 9/8/2022   | 6/8/2022   |            |

Summary Information

| Field Parameters     | UNITS    | Baseline |      |       | Operation |     |     |       |       |       |
|----------------------|----------|----------|------|-------|-----------|-----|-----|-------|-------|-------|
|                      |          | Min      | Ave  | Max   | Min       | Ave | Max |       |       |       |
| Flow                 | CFS      | 0.00     | 6.00 | 95.37 |           |     |     | 2.394 | 3.769 | 3.053 |
| Water Level in Flume | Feet     | 0.00     | 0.37 | 3.10  |           |     |     | 0.300 | 0.400 | 0.350 |
| Temperature          | Celsius  | -0.7     | 9.0  | 20.3  |           |     |     | 5.4   | 13.6  | 9.4   |
| Conductivity         | umhos/cm | 2.9      | 126  | 334   |           |     |     | 110.3 | 112.3 | 111.3 |
| pH                   | su       | 5.3      | 8.2  | 10.2  |           |     |     | 7.7   | 8.2   | 7.68  |
| Field Comments       |          |          |      |       |           |     |     |       |       | *     |

| Lab Parameters           |          |       |         |         |  |  |  |         |  |         |
|--------------------------|----------|-------|---------|---------|--|--|--|---------|--|---------|
| Parameters               | UNITS    |       |         |         |  |  |  |         |  |         |
| Bicarbonate              | mg/L     | 38    | 83      | 148     |  |  |  | 79.7    |  | 58.5    |
| Chloride                 | mg/L     | 0.57  | 23.48   | 198.50  |  |  |  | 1.64    |  | 1.1     |
| Conductivity             | umhos/cm | 65.4  | 179     | 548     |  |  |  | 166     |  | 102     |
| Hardness                 | mg/L     | 29.02 | 71.28   | 157.58  |  |  |  | 72      |  | 48      |
| Nitrate-Nitrite          | mg/L     | <MDL  | 0.22    | 0.61    |  |  |  | <MDL    |  | <MDL    |
| Oil and Grease           | mg/L     | <MDL  | <MDL    | <MDL    |  |  |  | <MDL    |  | <MDL    |
| pH                       | su       | 6.7   | 7.7     | 8.8     |  |  |  | 7.2     |  | 7.9     |
| Phosphate                | mg/L     | <MDL  | 0.64    | 7.79    |  |  |  | 0.0589  |  | 0.029   |
| ResidueFilterable-TDS    | mg/L     | 70    | 147     | 430     |  |  |  | 120     |  | 85      |
| ResidueNonFilterable-TSS | mg/L     | <MDL  | 28      | 174     |  |  |  | 33      |  | 14      |
| SAR                      |          | 0.11  | 0.47    | 2.22    |  |  |  | 0.38    |  | 0.26    |
| Sulfate                  | mg/L     | 1.70  | 10.59   | 35.00   |  |  |  | 4.3     |  | <MDL    |
| Aluminum (TREC)          | mg/L     | <MDL  | 20.713  | 400.000 |  |  |  | 1.24    |  | 1.57    |
| Arsenic (TREC)           | mg/L     | <MDL  | 0.018   | 0.075   |  |  |  | 0.00045 |  | 0.00043 |
| Cadmium (TREC)           | mg/L     | <MDL  | 0.008   | 0.020   |  |  |  | <MDL    |  | <MDL    |
| Calcium (TREC)           | mg/L     | 5.42  | 17.81   | 42.00   |  |  |  | 17.7    |  | 11.7    |
| Copper (TREC)            | mg/L     | <MDL  | 0.004   | 0.010   |  |  |  | <MDL    |  | <MDL    |
| Iron (TREC)              | mg/L     | 0.033 | 0.624   | 1.470   |  |  |  | 1.23    |  | 1.22    |
| Lead (TREC)              | mg/L     | <MDL  | 0.010   | 0.050   |  |  |  | 0.00058 |  | 0.00044 |
| Magnesium (TREC)         | mg/L     | 3.24  | 8.29    | 18.10   |  |  |  | 6.8     |  | 4.48    |
| Manganese (TREC)         | mg/L     | 0.01  | 0.03    | 0.05    |  |  |  | 0.052   |  | 0.026   |
| Mercury (TREC)           | mg/L     | <MDL  | 0.00006 | 0.00016 |  |  |  | <MDL    |  | <MDL    |
| Molybdenum (TREC)        | mg/L     | <MDL  | 0.004   | 0.006   |  |  |  | <MDL    |  | <MDL    |
| Selenium (TREC)          | mg/L     | <MDL  | 0.00464 | 0.02300 |  |  |  | 0.00011 |  | 0.00014 |
| Sodium (TREC)            | mg/L     | 3.5   | 13.0    | 64.0    |  |  |  | 7.36    |  | 4.08    |
| Zinc (TREC)              | mg/L     | <MDL  | 0.027   | 0.060   |  |  |  | <MDL    |  | <MDL    |

The area of concern for monitoring point SW-02 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

SW-02 is located on the East Fork of Terror Creek in the NW1/4 SE1/4 Sec 5, T13S, R91W, of the 6th P.M. A 48" Parshall flume manufactured by the Thompson Pipe and Steel Company of Denver, Colorado was installed at this location.

\* Site not accessible

SW-05  
Stevens Gulch - Downstream  
Elevation - 6600

|           |           |           |           |          |
|-----------|-----------|-----------|-----------|----------|
| Initiated | 1/1/1983  | 1/1/1983  | 1/1/1983  | 1/1/1983 |
| Activated |           |           |           |          |
| Date      | 11/2/2022 | 9/27/2022 | 6/13/2022 |          |

Summary Information

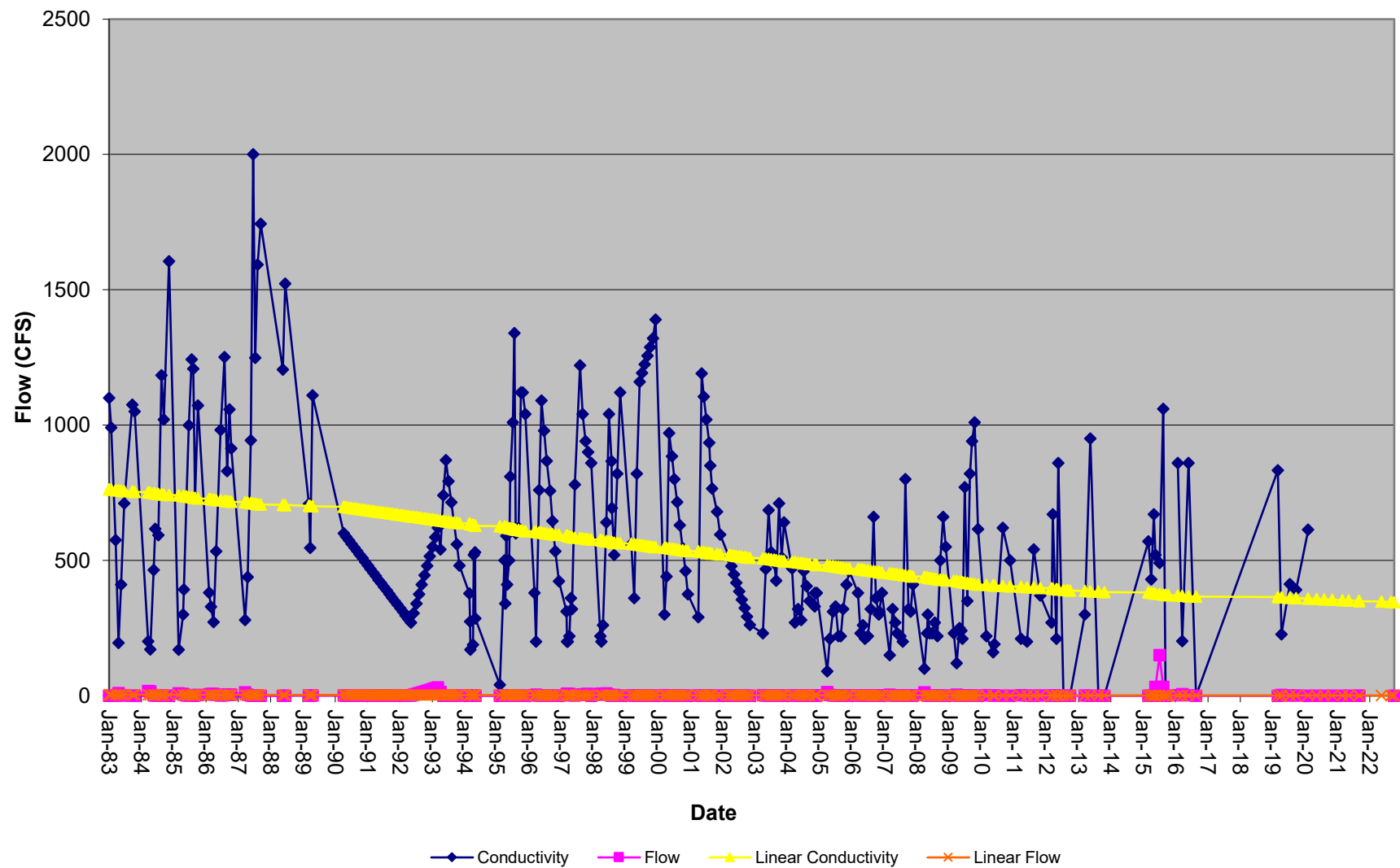
| Field Parameters         | UNITS    | Baseline |         |         | Operation |     |     |     |     |     |   |
|--------------------------|----------|----------|---------|---------|-----------|-----|-----|-----|-----|-----|---|
|                          |          | Min      | Ave     | Max     | Min       | Ave | Max |     |     |     |   |
| Flow                     | CFS      | 0.00     | 1.22    | 16.94   |           |     |     |     |     |     |   |
| Water Level in Flume     | Feet     | 0.00     | 0.09    | 1.06    |           |     |     |     |     |     |   |
| Temperature              | Celsius  | -0.5     | 10.4    | 23.7    |           |     |     |     |     |     |   |
| Conductivity             | umhos/cm | 0        | 565     | 2000    |           |     |     |     |     |     |   |
| pH                       | su       | 0.0      | 8.3     | 9.9     |           |     |     |     |     |     |   |
| Field Comments           |          |          |         |         |           |     |     | Dry | Dry | Dry | * |
| Lab Parameters           | UNITS    |          |         |         |           |     |     |     |     |     |   |
| Bicarbonate              | mg/L     | 66       | 216     | 456     |           |     |     |     |     |     |   |
| Chloride                 | mg/L     | <MDL     | 21.44   | 223.41  |           |     |     |     |     |     |   |
| Conductivity             | umhos/cm | 149      | 566     | 1560    |           |     |     |     |     |     |   |
| Hardness                 | mg/L     | 35.6     | 241.7   | 625.7   |           |     |     |     |     |     |   |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.34    | 0.88    |           |     |     |     |     |     |   |
| Oil and Grease           | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     |     |     |     |   |
| pH                       | su       | 6.8      | 8.1     | 8.7     |           |     |     |     |     |     |   |
| Phosphate                | mg/L     | <MDL     | 0.18    | 0.47    |           |     |     |     |     |     |   |
| ResidueFilterable-TDS    | mg/L     | 106      | 378     | 1130    |           |     |     |     |     |     |   |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 35      | 438     |           |     |     |     |     |     |   |
| SAR                      |          | 0.23     | 1.04    | 2.06    |           |     |     |     |     |     |   |
| Sulfate                  | mg/L     | <MDL     | 92.8    | 450.0   |           |     |     |     |     |     |   |
| Aluminum (TREC)          | mg/L     | 0.022    | 0.284   | 0.530   |           |     |     |     |     |     |   |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.020   | 0.040   |           |     |     |     |     |     |   |
| Cadmium (TREC)           | mg/L     | <MDL     | 0.007   | 0.010   |           |     |     |     |     |     |   |
| Calcium (TREC)           | mg/L     | 8.81     | 49.06   | 103.00  |           |     |     |     |     |     |   |
| Copper (TREC)            | mg/L     | <MDL     | 0.008   | 0.020   |           |     |     |     |     |     |   |
| Iron (TREC)              | mg/L     | 0.03     | 0.38    | 1.46    |           |     |     |     |     |     |   |
| Lead (TREC)              | mg/L     | 0.00     | 0.02    | 0.04    |           |     |     |     |     |     |   |
| Magnesium (TREC)         | mg/L     | 7.10     | 26.36   | 61.20   |           |     |     |     |     |     |   |
| Manganese (TREC)         | mg/L     | 0.01     | 0.52    | 7.30    |           |     |     |     |     |     |   |
| Mercury (TREC)           | mg/L     | 0.00002  | 0.00011 | 0.00027 |           |     |     |     |     |     |   |
| Molybdenum (TREC)        | mg/L     | 0.002    | 0.006   | 0.015   |           |     |     |     |     |     |   |
| Selenium (TREC)          | mg/L     | <MDL     | 0.007   | 0.018   |           |     |     |     |     |     |   |
| Sodium (TREC)            | mg/L     | 9.60     | 32.78   | 64.00   |           |     |     |     |     |     |   |
| Zinc (TREC)              | mg/L     | 0.005    | 0.009   | 0.020   |           |     |     |     |     |     |   |

The area of concern for monitoring point SW-05 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

\* Site not accessible

The Stevens Gulch stream gauge, SW-05, is located near Bowie No. 1 mine's timber storage area in the NE1/4NW1/4, Sec 25, T13S, R92W, of the 6th P.M. A 36" Parshall flume was installed at this locations.

Plot of Flow and Conductivity



SW-10  
Terror Ditch  
Elevation - 6480

|           |           |          |           |          |
|-----------|-----------|----------|-----------|----------|
| Initiated | 7/1/1983  | 7/1/1983 | 7/1/1983  | 7/1/1983 |
| Activated |           |          |           |          |
| Date      | 11/1/2022 | 9/8/2022 | 6/22/2022 |          |

Summary Information

| Field Parameters         | UNITS    | Baseline |         |         | Operation |     |     |         |       |         |
|--------------------------|----------|----------|---------|---------|-----------|-----|-----|---------|-------|---------|
|                          |          | Min      | Ave     | Max     | Min       | Ave | Max |         |       |         |
| Flow                     | CFS      | 0.00     | 3.18    | 12.80   |           |     |     | 3.39    | 4.51  | 5.74    |
| Water Level in Flume     | Feet     | 0.00     | 0.43    | 0.87    |           |     |     | 0.5     | 0.6   | 0.7     |
| Temperature              | Celsius  | 0.1      | 9.1     | 21.3    |           |     |     | 2.2     | 15.1  | 8.09    |
| Conductivity             | umhos/cm | 20       | 138     | 970     |           |     |     | 148.7   | 121.9 | 128.2   |
| pH                       | su       | 5.6      | 8.3     | 12.2    |           |     |     | 8.53    | 8.56  | 12.2    |
| Field Comments           |          |          |         |         |           |     |     |         |       | *       |
| Lab Parameters           | UNITS    |          |         |         |           |     |     |         |       |         |
| Bicarbonate              | mg/L     | 25.3     | 79.4    | 188.0   |           |     |     | 83.7    |       | 54.7    |
| Chloride                 | mg/L     | <MDL     | 17.7    | 186.1   |           |     |     | 1.41    |       | 1.24    |
| Conductivity             | umhos/cm | 53       | 171     | 756     |           |     |     | 139     |       | 112     |
| Hardness                 | mg/L     | 32       | 66      | 141     |           |     |     | 60      |       | 45      |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.17    | 0.54    |           |     |     | <MDL    |       | <MDL    |
| Oil and Grease           | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     | <MDL    |       | <MDL    |
| pH                       | su       | 6.9      | 7.7     | 8.5     |           |     |     | 7.1     |       | 7.8     |
| Phosphate                | mg/L     | <MDL     | <MDL    | <MDL    |           |     |     | 0.09    |       | 0.026   |
| ResidueFilterable-TDS    | mg/L     | 50       | 130     | 610     |           |     |     | 98      |       | 94      |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 24.3    | 136.0   |           |     |     | 10      |       | 17      |
| SAR                      |          | 0.11     | 0.63    | 6.43    |           |     |     | 0.32    |       | 0.31    |
| Sulfate                  | mg/L     | <MDL     | 11.65   | 68.50   |           |     |     | 2.6     |       | <MDL    |
| Aluminum (TREC)          | mg/L     | <MDL     | 16.792  | 154.000 |           |     |     | 0.319   |       | 0.98    |
| Arsenic (TREC)           | mg/L     | <MDL     | 0.009   | 0.030   |           |     |     | 0.00032 |       | 0.00038 |
| Cadmium (TREC)           | mg/L     | <MDL     | 0.010   | 0.022   |           |     |     | <MDL    |       | <MDL    |
| Copper (TREC)            | mg/L     | <MDL     | 0.006   | 0.010   |           |     |     | <MDL    |       | <MDL    |
| Calcium (TREC)           | mg/L     | 6.07     | 15.72   | 22.00   |           |     |     | 14.9    |       | 11.6    |
| Iron (TREC)              | mg/L     | 0.014    | 0.475   | 1.730   |           |     |     | 0.334   |       | 0.779   |
| Lead (TREC)              | mg/L     | 0.000    | 0.013   | 0.060   |           |     |     | 0.00016 |       | 0.00033 |
| Magnesium (TREC)         | mg/L     | 3.00     | 7.89    | 21.00   |           |     |     | 5.5     |       | 3.84    |
| Manganese (TREC)         | mg/L     | 0.010    | 0.021   | 0.072   |           |     |     | <MDL    |       | 0.013   |
| Mercury (TREC)           | mg/L     | <MDL     | 0.00007 | 0.00020 |           |     |     | <MDL    |       | <MDL    |
| Molybdenum (TREC)        | mg/L     | <MDL     | 0.0022  | 0.0060  |           |     |     | <MDL    |       | <MDL    |
| Selenium (TREC)          | mg/L     | <MDL     | 0.004   | 0.018   |           |     |     | <MDL    |       | <MDL    |
| Sodium (TREC)            | mg/L     | 3.64     | 18.04   | 144.00  |           |     |     | 5.7     |       | 4.64    |
| Zinc (TREC)              | mg/L     | <MDL     | 0.014   | 0.050   |           |     |     | <MDL    |       | <MDL    |

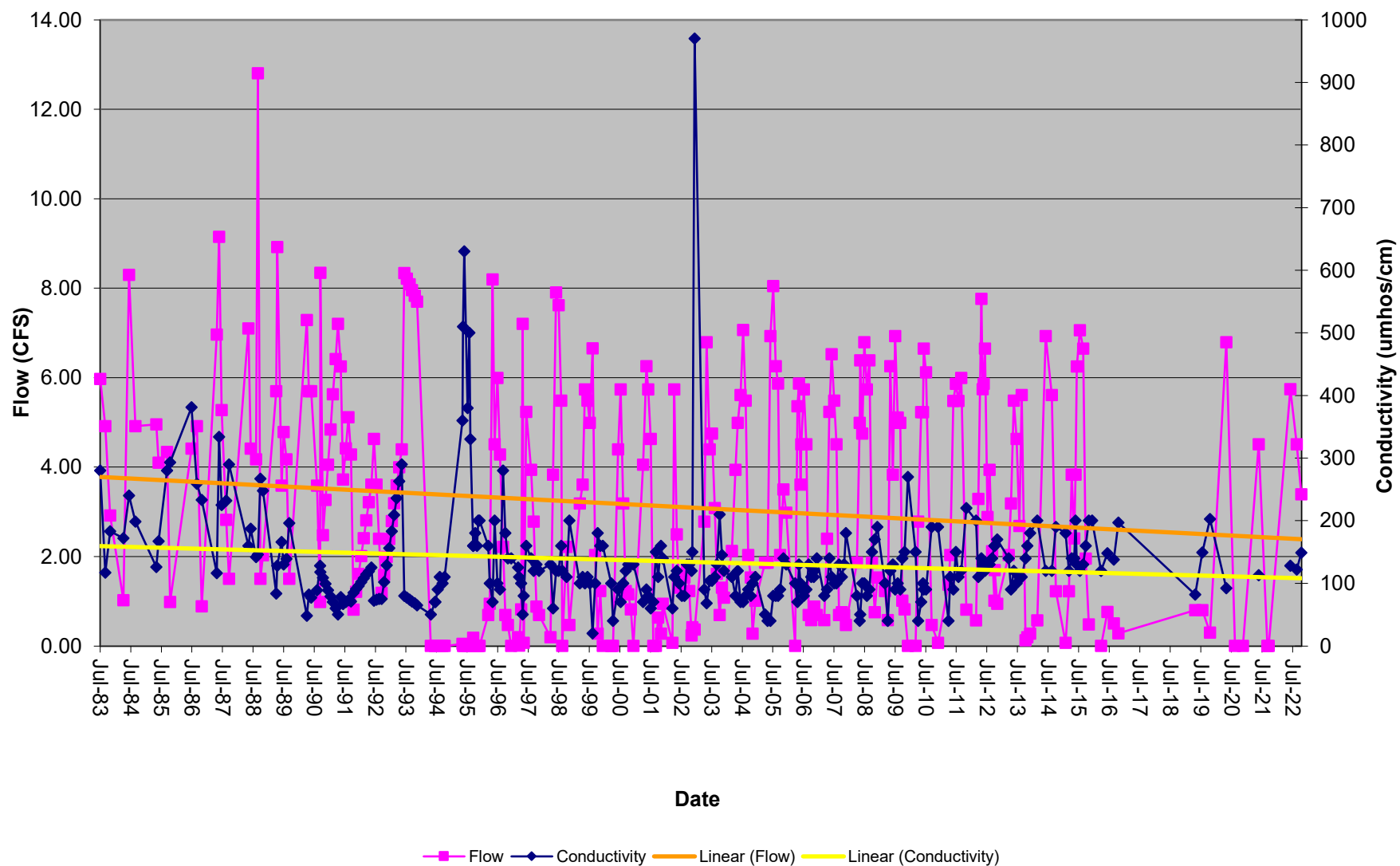
The area of concern for monitoring point SW-10 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

A stilling well and recorder were installed on a 30" Parshall flume on the Terror Ditch. This stream gauge is located in the NE1/4NE1/4, Sec 17, T13S, R91W o

\* 1Q inaccessible due to snow

\*\*\* No data in the field notes

Plot of Flow and Conductivity





SW-11  
Stevens Gulch - Upstream  
Elevation - 8084

|           |           |           |           |          |
|-----------|-----------|-----------|-----------|----------|
| Initiated | 6/6/2010  | 6/6/2010  | 6/6/2010  | 6/6/2010 |
| Activated |           |           |           |          |
| Date      | 11/2/2022 | 9/27/2022 | 6/13/2022 |          |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |        | Operation |     |     |     |     |     |   |
|--------------------------|----------|----------|--------|--------|-----------|-----|-----|-----|-----|-----|---|
|                          |          | Min      | Ave    | Max    | Min       | Ave | Max |     |     |     |   |
| Flow                     | CFS      | 0        | 0.1    | 3.8    |           |     |     |     |     |     |   |
| Water Level in Flume     | Feet     | 0        | 0.0    | 0.0    |           |     |     |     |     |     |   |
| Temperature              | Celsius  |          |        |        |           |     |     |     |     |     |   |
| Conductivity             | umhos/cm |          |        |        |           |     |     |     |     |     |   |
| pH                       | su       |          |        |        |           |     |     |     |     |     |   |
| Field Comments           |          |          |        |        |           |     |     | Dry | Dry | Dry | * |
|                          |          |          |        |        |           |     |     |     |     |     |   |
| Lab Parameters           | UNITS    |          |        |        |           |     |     |     |     |     |   |
|                          |          | Min      | Ave    | Max    | Min       | Ave | Max |     |     |     |   |
| Bicarbonate              | mg/L     | 55.9     | 63.6   | 71.3   |           |     |     | *   |     |     |   |
| Carbonate                | mg/L     | 0.0      | 0.0    | 0.0    |           |     |     |     |     |     |   |
| Chloride                 | mg/L     | <MDL     | 2.8    | 3.0    |           |     |     |     |     |     |   |
| Conductivity             | umhos/cm | 98.7     | 107    | 116    |           |     |     |     |     |     |   |
| Hardness                 | mg/L     | 43.60    | 48.45  | 53.30  |           |     |     |     |     |     |   |
| Acidity                  | mg/L     | -46.7    | -42.35 | -38.00 |           |     |     |     |     |     |   |
| Nitrate-Nitrite          | mg/L     | <MDL     | 0.00   | 0.00   |           |     |     |     |     |     |   |
| Oil and Grease           | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     |     |     |     |   |
| pH                       | su       | 7.2      | 7.4    | 7.7    |           |     |     |     |     |     |   |
| Phosphate                | mg/L     | <MDL     | 0.12   | 0.13   |           |     |     |     |     |     |   |
| ResidueFilterable-TDS    | mg/L     | 117      | 119    | 120    |           |     |     |     |     |     |   |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 22     | 24     |           |     |     |     |     |     |   |
| SAR                      |          | 0.37     | 0.39   | 0.40   |           |     |     |     |     |     |   |
| Aluminum (TREC)          | mg/L     | 0.549    | 0.725  | 0.900  |           |     |     |     |     |     |   |
| Arsenic (TREC)           | mg/L     | <MDL     | <MDL   | 0.000  |           |     |     |     |     |     |   |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL   | 0.00   |           |     |     |     |     |     |   |
| Calcium (TREC)           | mg/L     | 12.6     | 13.90  | 15.20  |           |     |     |     |     |     |   |
| Calcium (Dissolved)      | mg/L     | 0        | 0.00   | 0.00   |           |     |     |     |     |     |   |
| Copper (TREC)            | mg/L     | <MDL     | <MDL   | 0.00   |           |     |     |     |     |     |   |
| Iron (Dissolved)         | mg/L     | 0.24     | 0.24   | 0.24   |           |     |     |     |     |     |   |
| Iron (TREC)              | mg/L     | 0.42     | 0.82   | 1.23   |           |     |     |     |     |     |   |
| Lead (TREC)              | mg/L     | <MDL     | <MDL   | 0.00   |           |     |     |     |     |     |   |
| Magnesium (TREC)         | mg/L     | 2.94     | 3.34   | 3.73   |           |     |     |     |     |     |   |
| Manganese (TREC)         | mg/L     | 0.03     | 0.06   | 0.08   |           |     |     |     |     |     |   |
| Mercury (TREC)           | mg/L     | <MDL     | <MDL   | 0      |           |     |     |     |     |     |   |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL   | 0.000  |           |     |     |     |     |     |   |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL   | 0.000  |           |     |     |     |     |     |   |
| Sodium (TREC)            | mg/L     | 5.65     | 5.80   | 5.94   |           |     |     |     |     |     |   |
| Sodium (Dissolved)       | mg/L     | 0        | 0.00   | 0.00   |           |     |     |     |     |     |   |
| Zinc (TREC)              | mg/L     | <MDL     | <MDL   | 0.00   |           |     |     |     |     |     |   |

\* Site not accessible

SW-12  
West Fork Terror Creek - Upstream  
Elevation - 7920

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 5/16/1983 | 5/16/1983 | 5/16/1983 | 5/16/1983 |
| Activated |           |           |           |           |
| Date      | 11/2/2022 | 9/27/2022 | 6/13/2022 |           |

| Summary Information      |          |          |        |        |           |     |     |         |       |         |   |
|--------------------------|----------|----------|--------|--------|-----------|-----|-----|---------|-------|---------|---|
| Field Parameters         | UNITS    | Baseline |        |        | Operation |     |     |         |       |         |   |
|                          |          | Min      | Ave    | Max    | Min       | Ave | Max |         |       |         |   |
| Flow                     | CFS      | 0.04     | 3.66   | 52.00  |           |     |     | 1.61    | 0.92  | 4.00    |   |
| Water Level in Flume     | Feet     | 0.050    | 0.587  | 2.000  |           |     |     | 0.55    | 0.38  | 1       |   |
| Temperature              | Celsius  | 0.1      | 6.4    | 14.9   |           |     |     | 2.5     | 8.9   | 12.2    |   |
| Conductivity             | umhos/cm | 68.8     | 118    | 180    |           |     |     | 121.2   | 132.5 | 85      |   |
| pH                       | su       | 7.24     | 8.2    | 8.9    |           |     |     | 8.6     | 8.0   | 7.6     |   |
| Field Comments           |          |          |        |        |           |     |     |         |       |         | * |
| Lab Parameters           | UNITS    |          |        |        |           |     |     |         |       |         |   |
|                          |          | Min      | Ave    | Max    | Min       | Ave | Max |         |       |         |   |
| Bicarbonate              | mg/L     | 34.3     | 59.4   | 83.4   |           |     |     | 60.1    |       | 44      |   |
| Chloride                 | mg/L     | <MDL     | 0.75   | 1.40   |           |     |     | <MDL    |       | 0.96    |   |
| Conductivity             | umhos/cm | 53.5     | 89.8   | 121.0  |           |     |     | 114     |       | 88      |   |
| Hardness                 | mg/L     | 27.3     | 46.1   | 61.9   |           |     |     | 50      |       | 38      |   |
| Acidity                  | mg/L     | -64.0    | -46.4  | -20.0  |           |     |     | <MDL    |       | <MDL    |   |
| Nitrate-Nitrite          | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |
| Oil and Grease           | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |
| Phosphate                | mg/L     | <MDL     | 0.04   | 0.12   |           |     |     | 0.018   |       | 0.0713  |   |
| ResidueFilterable-TDS    | mg/L     | 65       | 86     | 108    |           |     |     | 88.0    |       | 86.0    |   |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 15.2   | 37.0   |           |     |     | <MDL    |       | <MDL    |   |
| SAR                      |          | 0.174    | 0.263  | 0.486  |           |     |     | 0.24    |       | 0.28    |   |
| Sulfate                  | mg/L     | 1.2      | 2.4    | 3.3    |           |     |     | 1.3     |       | <MDL    |   |
| Aluminum (TREC)          | mg/L     | 0.104    | 0.623  | 1.710  |           |     |     | 0.468   |       | 0.429   |   |
| Arsenic (TREC)           | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | 0.00028 |       | 0.00026 |   |
| Cadmium (TREC)           | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |
| Calcium (TREC)           | mg/L     | 7.1      | 490.5  | 8630.0 |           |     |     | 12.4    |       | 9.86    |   |
| Calcium (Dissolved)      | mg/L     | 11.2     | 13.3   | 14.6   |           |     |     |         |       |         |   |
| Copper (TREC)            | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |
| Iron (Dissolved)         | mg/L     | 0.0300   | 2.9342 | #####  |           |     |     |         |       | <MDL    |   |
| Iron (TREC)              | mg/L     | 0.101    | 0.507  | 1.370  |           |     |     | 0.375   |       | 0.311   |   |
| Lead (TREC)              | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | 0.00014 |       | 0.00011 |   |
| Magnesium (TREC)         | mg/L     | 2.35     | 3.98   | 5.58   |           |     |     | 4.66    |       | 3.3     |   |
| Magnesium (Dissolved)    | mg/L     | 3.38     | 4.53   | 5.21   |           |     |     |         |       |         |   |
| Manganese (TREC)         | mg/L     | 0.0011   | 0.0116 | 0.03   |           |     |     | 0.01    |       | <MDL    |   |
| Mercury (TREC)           | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |
| Molybdenum (TREC)        | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |
| Selenium (TREC)          | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | 0.00011 |   |
| Sodium (TREC)            | mg/L     | 2.60     | 4.12   | 7.77   |           |     |     | 3.89    |       | 3.94    |   |
| Sodium (Dissolved)       | mg/L     | 2.69     | 4.22   | 5.97   |           |     |     | 3.89    |       |         |   |
| Zinc (TREC)              | mg/L     | <MDL     | <MDL   | <MDL   |           |     |     | <MDL    |       | <MDL    |   |

The area of concern for monitoring point SW-12 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Negative acidity value indicates equivalent value of alkalinity

\*Inaccessible due to snow

\*\* Flow to high unable to read gauge

DH-15a  
Stevens Draw - Drill Hole  
Pipe Elevation - 7143.3  
Pipe 1.8' above ground  
Depth - 215'

|           |           |
|-----------|-----------|
| Initiated | 6/12/1995 |
| Activated |           |
| Date      | 6/7/2022  |

| Field Parameters      | UNITS    | Summary Information |     |     |           |         |         |
|-----------------------|----------|---------------------|-----|-----|-----------|---------|---------|
|                       |          | Baseline            |     |     | Operation |         |         |
|                       |          | Min                 | Ave | Max | Min       | Ave     | Max     |
| Static Water Level    | Feet     |                     |     |     | 181.90    | 191.50  | 194.80  |
| Water Elevation       | Feet     |                     |     |     | 6948.50   | 6951.80 | 6961.40 |
| FieldComment          |          |                     |     |     |           |         |         |
| ph                    | su       |                     |     |     | 7.06      | 7.50    | 8.00    |
| Conductivity          | umhos/cm |                     |     |     | 2880.00   | 3862.78 | 4210.00 |
| Temperature           | Celsius  |                     |     |     | 7.77      | 13.19   | 16.20   |
| Lab Parameters        | UNITS    |                     |     |     |           |         |         |
| Bicarbonate           | mg/L     |                     |     |     | 897.00    | 1125.56 | 1380.00 |
| Carbonate             | mg/L     |                     |     |     | <MDL      | <MDL    | 0.00    |
| Chloride              | mg/L     |                     |     |     | 34.20     | 36.37   | 39.30   |
| Conductivity          | umhos/cm |                     |     |     | 2740.00   | 3615.56 | 3970.00 |
| Hardness              | mg/L     |                     |     |     | 323.00    | 757.44  | 942.00  |
| Nitrate-Nitrite       | mg/L     |                     |     |     | <MDL      | <MDL    | 0.00    |
| Ammonia               | mg/L     |                     |     |     | 0.29      | 0.93    | 1.26    |
| pH                    | su       |                     |     |     | 7.35      | 7.81    | 8.10    |
| Phosphate             | mg/L     |                     |     |     | 0.04      | 0.09    | 0.13    |
| ResidueFilterable-TDS | mg/L     |                     |     |     | 1980.00   | 2792.22 | 3140.00 |
| Sulfate               | mg/L     |                     |     |     | 556.00    | 1240.78 | 1500.00 |
| Arsenic (Dissolved)   | mg/L     |                     |     |     | <MDL      | <MDL    | 0.05    |
| Cadmium (Dissolved)   | mg/L     |                     |     |     | <MDL      | <MDL    | 0.00    |
| Calcium (Dissolved)   | mg/L     |                     |     |     | 50.20     | 130.46  | 167.00  |
| Iron (Dissolved)      | mg/L     |                     |     |     | <MDL      | <MDL    | 0.20    |
| Iron (TREC)           | mg/L     |                     |     |     | 0.39      | 6.71    | 53.90   |
| Magnesium (Dissolved) | mg/L     |                     |     |     | 43.10     | 104.29  | 130.00  |
| Manganese (Dissolved) | mg/L     |                     |     |     | 0.10      | 0.15    | 0.17    |
| Manganese (TREC)      | mg/L     |                     |     |     | 0.13      | 0.18    | 0.23    |
| Mercury (Dissolved)   | mg/L     |                     |     |     | <MDL      | <MDL    | 0.00    |
| Selenium (Dissolved)  | mg/L     |                     |     |     | <MDL      | <MDL    | 0.00    |
| Sodium (Dissolved)    | mg/L     |                     |     |     | 547.00    | 661.11  | 771.00  |
| Zinc (Dissolved)      | mg/L     |                     |     |     | <MDL      | <MDL    | 0.00    |

DH-15a is a replacment well for DH-15. All data is considered operational.

Drill Hole 15a is located on the western edge of the Stevens Draw road.

DH-39  
Stevens Draw - Drill Hole  
Pipe Elevation - 7142.65  
Pipe 1.2' above ground  
Depth - 181'

|           |           |
|-----------|-----------|
| Initiated | 6/12/1995 |
| Activated |           |
| Date      | 6/7/2022  |

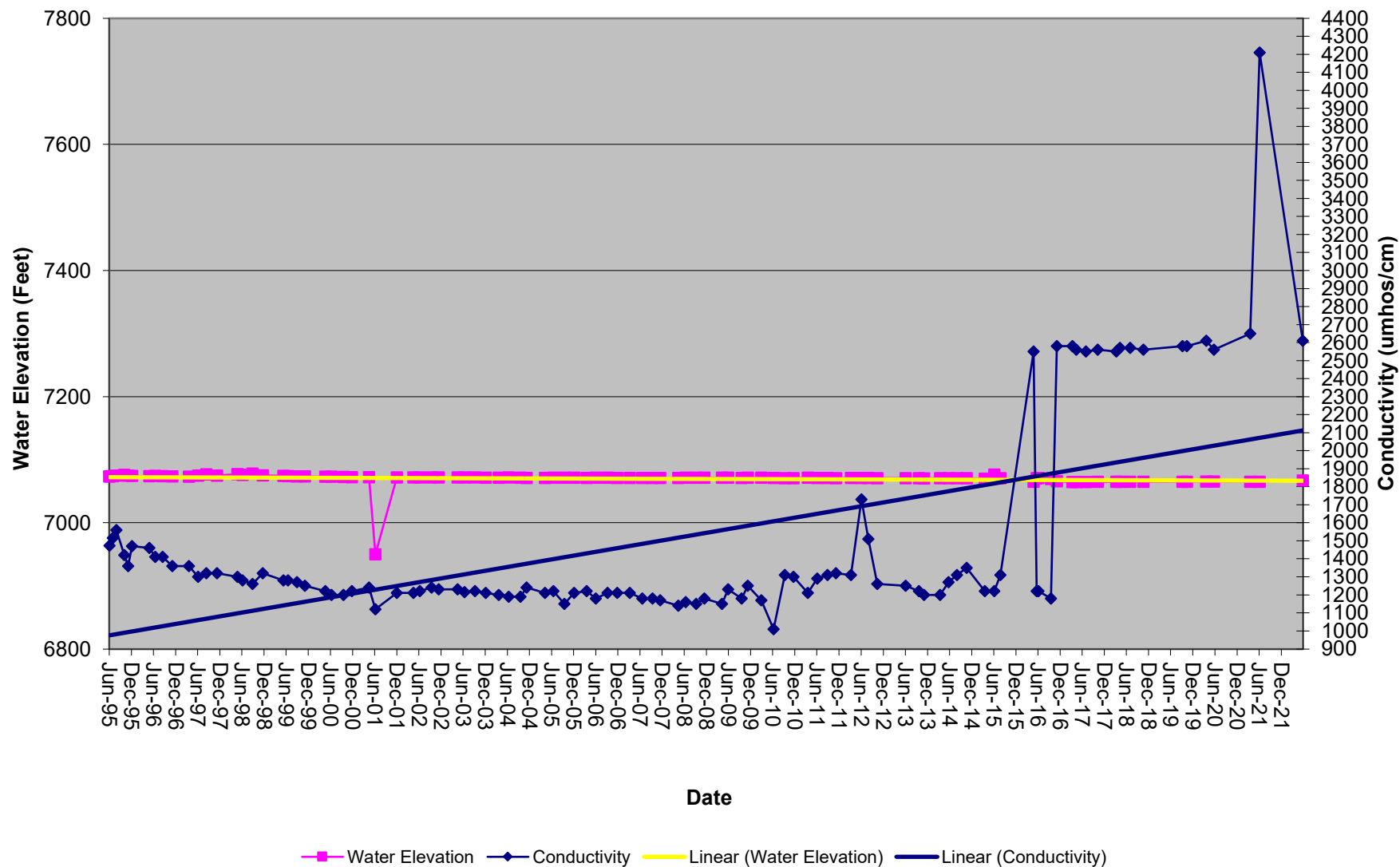
|                       |          | Summary Information |          |         |           |     |     |          |
|-----------------------|----------|---------------------|----------|---------|-----------|-----|-----|----------|
|                       |          | Baseline            |          |         | Operation |     |     |          |
| Field Parameters      | UNITS    | Min                 | Ave      | Max     | Min       | Ave | Max |          |
| Static Water Level    | Feet     | 64.55               | 73.82    | 192.55  |           |     |     | 75.5     |
| Water Elevation       | Feet     | 6950.1              | 7068.8   | 7078.1  |           |     |     | 7067.15  |
| FieldComment          |          |                     |          |         |           |     |     |          |
| ph                    | su       | 6.8                 | 7.3      | 8.3     |           |     |     | 7.71     |
| Conductivity          | umhos/cm | 1010                | 1503     | 4210    |           |     |     | 2610     |
| Temperature           | Celsius  | 4.3                 | 10.5     | 14.3    |           |     |     | 13       |
| Lab Parameters        |          | UNITS               |          |         |           |     |     |          |
| Bicarbonate           | mg/L     | 384.69              | 567.54   | 897.00  |           |     |     | 601      |
| Carbonate             | mg/L     | <MDL                | 2.86     | 25.00   |           |     |     | 25       |
| Chloride              | mg/L     | 1.36                | 18.74    | 47.14   |           |     |     | 29.8     |
| Conductivity          | umhos/cm | 1025                | 1589     | 3970    |           |     |     | 2430     |
| Hardness              | mg/L     | <MDL                | 437.50   | 940.00  |           |     |     | 429      |
| Nitrate-Nitrite       | mg/L     | <MDL                | 0.75     | 7.06    |           |     |     | <MDL     |
| Ammonia               | mg/L     | <MDL                | 0.46     | 6.02    |           |     |     | 6.02     |
| pH                    | su       | 7.0                 | 7.6      | 8.5     |           |     |     | 8.2      |
| Phosphate             | mg/L     | <MDL                | 0.14     | 2.96    |           |     |     | 2.96     |
| ResidueFilterable-TDS | mg/L     | 443                 | 1086     | 3140    |           |     |     | 1710     |
| Sulfate               | mg/L     | 101.25              | 299.33   | 1500.00 |           |     |     | 704      |
| Arsenic (Dissolved)   | mg/L     | <MDL                | 0.0108   | 0.1730  |           |     |     | 0.00071  |
| Cadmium (Dissolved)   | mg/L     | <MDL                | 0.007    | 0.035   |           |     |     | 0.000078 |
| Calcium (Dissolved)   | mg/L     | 6.5                 | 86.1     | 167.0   |           |     |     | 90.8     |
| Iron (Dissolved)      | mg/L     | <MDL                | 0.68     | 13.00   |           |     |     | 0.078    |
| Iron (TREC)           | mg/L     | 0.01                | 10.07    | 43.70   |           |     |     | 0.425    |
| Magnesium (Dissolved) | mg/L     | <MDL                | 61.9     | 146.0   |           |     |     | 49.2     |
| Manganese (Dissolved) | mg/L     | <MDL                | 1.346    | 60.100  |           |     |     | 0.252    |
| Manganese (TREC)      | mg/L     | 0.026               | 0.404    | 2.470   |           |     |     | 0.312    |
| Mercury (Dissolved)   | mg/L     | <MDL                | 0.000264 | 0.00550 |           |     |     | <MDL     |
| Selenium (Dissolved)  | mg/L     | <MDL                | 0.006    | 0.021   |           |     |     | 0.00155  |
| Sodium (Dissolved)    | mg/L     | 95.8                | 224.2    | 670.0   |           |     |     | 423      |
| Zinc (Dissolved)      | mg/L     | <MDL                | 0.01     | 0.10    |           |     |     | <MDL     |

The area of concern for monitoring point DH-39 has not been affected by the mining operation. Therefore, all re monitoring events are considered Baseline.

Drill Hole 39 is located in Stevens Draw right next to Drill Hole 15. It is accessed by the Stevens Draw road.

\* Site not accessible

Plot of Conductivity and Water Level



**DH-49**  
**B Gulch - Drill Hole**  
**Pipe Elevation - 7203.4**  
**Pipe 0.7' above ground**  
**Depth - 324'**

|           |           |           |
|-----------|-----------|-----------|
| Initiated | 6/12/1995 | 6/12/1995 |
| Activated | 3/30/1997 | 3/30/1997 |
| Date      | 6/13/2022 |           |

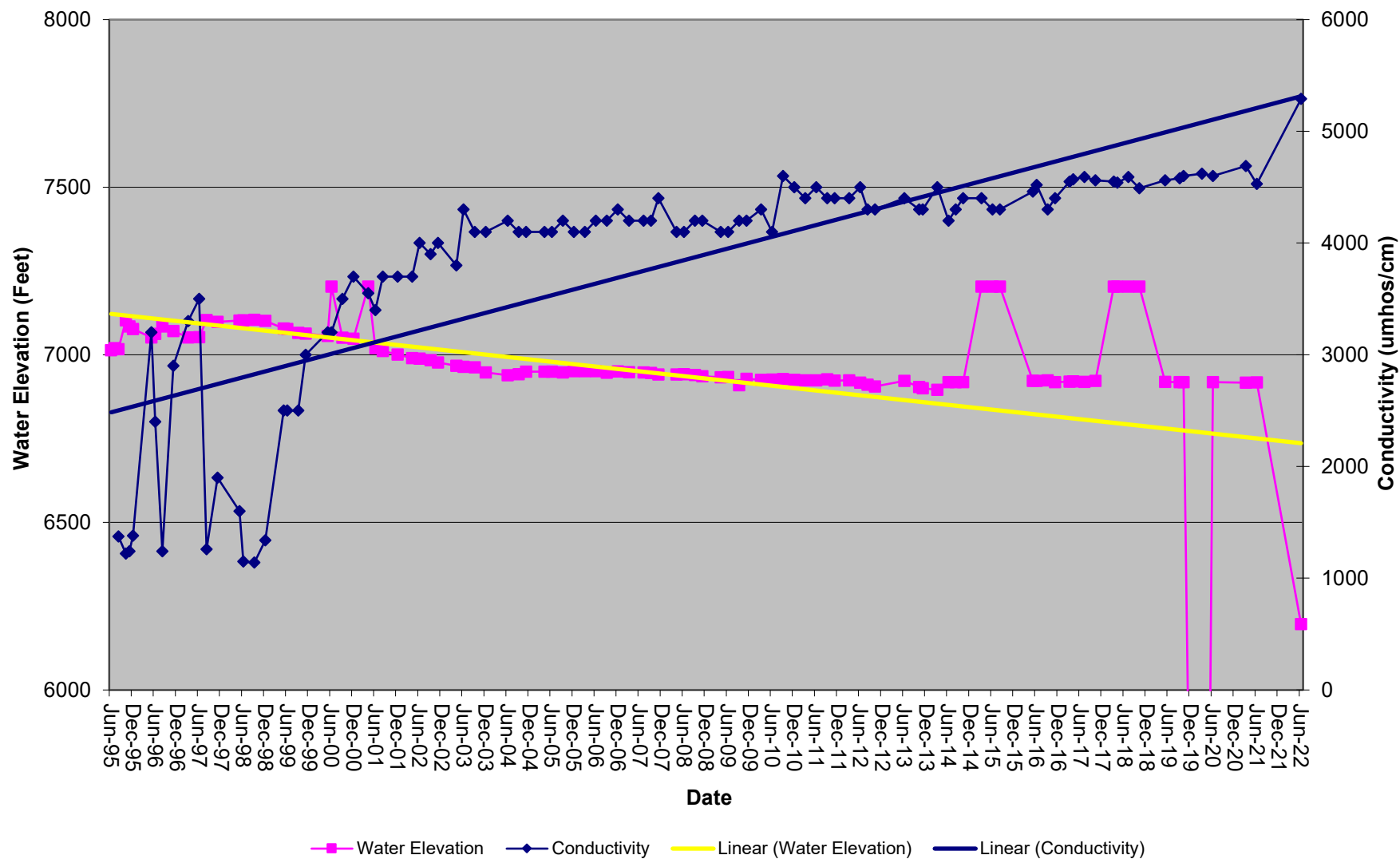
**Summary Information**

| Field Parameters        | UNITS    | Baseline |        |        | Operation |          |         |         |   |
|-------------------------|----------|----------|--------|--------|-----------|----------|---------|---------|---|
|                         |          | Min      | Ave    | Max    | Min       | Ave      | Max     |         |   |
| Static Water Level      | Feet     | 100.84   | 145.8  | 189.79 | 99.57     | 245.7831 | 311.46  | 287.3   |   |
| Water Elevation         | Feet     | 7013.6   | 7057.6 | 7102.6 | 6891.9    | 6957.6   | 7103.8  | 6916.1  |   |
| FieldComment            |          |          |        |        |           |          |         |         | * |
| ph                      | su       | 7.1      | 7.3    | 7.5    | 6.9       | 7.4      | 8.2     | 7       |   |
| Conductivity            | umhos/cm | 1220     | 2028   | 3300   | 1140      | 3987     | 5290    | 5290    |   |
| Temperature             | Celsius  | 10       | 11.9   | 13.5   | 10.8      | 13.8     | 17.3    | 14.8    |   |
| Lab Parameters          | UNITS    |          |        |        |           |          |         |         |   |
| Bicarbonate             | mg/L     | 496      | 834    | 1090   | 313.4     | 1470.221 | 2130    | 1750    |   |
| Carbonate               | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 9.34     | 79.46   | <MDL    |   |
| Chloride                | mg/L     | 14       | 15     | 16     | <MDL      | 38.1     | 344.61  | 20.9    |   |
| Conductivity            | umhos/cm | 1250     | 2023   | 2470   | 1160      | 3698.317 | 5920    | 4440    |   |
| Hardness                | mg/L     | 34       | 300    | 491    | <MDL      | 188      | 463     | 159     |   |
| Nitrate-Nitrite         | mg/L     | 0.63     | 1.0    | 1.43   | 0.028     | 4.87     | 8.9     | 8.07    |   |
| Ammonia                 | mg/L     | 0.14     | 1.9    | 3.8    | <MDL      | 1.15     | 5       | <MDL    |   |
| pH                      | su       | 7.1      | 7.4    | 7.7    | 7.2       | 7.7      | 8.7     | 8.2     |   |
| Phosphate               | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.74     | 21.3    | 0.29    |   |
| ResidueFilterable (TDS) | mg/L     | 790      | 1347   | 1790   | 700       | 2665     | 3411    | 3120    |   |
| Sulfate                 | mg/L     | 216      | 362    | 470    | 180       | 644.92   | 828     | 779     |   |
| Arsenic (Dissolved)     | mg/L     | <MDL     | 0.001  | 0.002  | <MDL      | 0.043    | 0.560   | 0.00093 |   |
| Cadmium (Dissolved)     | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.011    | 0.040   | <MDL    |   |
| Calcium (Dissolved)     | mg/L     | 11       | 62     | 100    | 0.55      | 33.7     | 98.4    | 26.6    |   |
| Iron (Dissolved)        | mg/L     | 0.05     | 0.4    | 1.1    | <MDL      | 0.137    | 1.12    | 0.146   |   |
| Iron (TREC)             | mg/L     | 0.2      | 12.4   | 29.4   | 0.0186    | 31.86    | 1310    | 6.55    |   |
| Magnesium (Dissolved)   | mg/L     | 1.6      | 35.1   | 58.6   | 18.7      | 30.6     | 71.5    | 22.5    |   |
| Manganese (Dissolved)   | mg/L     | <MDL     | 0.038  | 0.105  | <MDL      | 0.065    | 0.35    | <MDL    |   |
| Manganese (TREC)        | mg/L     | 0.007    | 0.19   | 0.308  | <MDL      | 2.08     | 68.7    | 0.277   |   |
| Mercury (Dissolved)     | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.00008  | 0.00050 | <MDL    |   |
| Selenium (Dissolved)    | mg/L     | <MDL     | 0.003  | 0.007  | <MDL      | 0.033551 | 0.283   | 0.00036 |   |
| Sodium (Dissolved)      | mg/L     | 5.2      | 230.7  | 556    | 109       | 911      | 2070    | 1050    |   |
| Zinc (Dissolved)        | mg/L     | <MDL     | 0.003  | 0.01   | <MDL      | 0.018    | 0.04    | <MDL    |   |

\* Site not Accessible

*Drill Hole 49 is located just above Stevens Draw road approximately 1000 feet southwest of the mine portals. It is accessed by the Stevens Draw road.*

Plot of Conductivity and Water Level



DH-67B  
Hubbard Creek - B Seam Monitoring Well  
Elevation - 6451  
Depth - 594'

|           |           |
|-----------|-----------|
| Initiated | 6/29/2004 |
| Activated |           |
| Date      | 6/16/2022 |

Summary Information

| Field Parameters      | UNITS    | Baseline |         |         | Operation |     |     |          |
|-----------------------|----------|----------|---------|---------|-----------|-----|-----|----------|
|                       |          | Min      | Ave     | Max     | Min       | Ave | Max |          |
| Static Water Level    | Feet     | 146.9    | 264.5   | 498.4   |           |     |     | 245.5    |
| Water Elevation       | Feet     | 5952.6   | 6190.1  | 6451.0  |           |     |     | 6205.5   |
| FieldComment          |          |          |         |         |           |     |     | *        |
| ph                    | su       | 6.5      | 7.8     | 8.8     |           |     |     | 8.19     |
| Conductivity          | umhos/cm | 2570     | 6209.4  | 7500    |           |     |     | 6770     |
| Temperature           | Celsius  | 13.4     | 18.7    | 26.5    |           |     |     | 19.8     |
| Lab Parameters        | UNITS    |          |         |         |           |     |     |          |
| Bicarbonate           | mg/L     | 1486.3   | 2992.5  | 3838.0  |           |     |     | 3060     |
| Carbonate             | mg/L     | <MDL     | 159.57  | 725.4   |           |     |     | 131      |
| Chloride              | mg/L     | 3.92     | 347.28  | 509     |           |     |     | 449      |
| Conductivity          | umhos/cm | 497      | 5477    | 7810    |           |     |     | 6500     |
| Hardness              | mg/L     | 3.59     | 42.21   | 198     |           |     |     | 25       |
| Nitrate-Nitrite       | mg/L     | <MDL     | 1.80    | 7.4     |           |     |     | <MDL     |
| Ammonia               | mg/L     | 0.102    | 4.39    | 9.48    |           |     |     | 6.24     |
| pH                    | su       | 7.35     | 8.12    | 9.37    |           |     |     | 8.6      |
| Phosphate             | mg/L     | <MDL     | 0.58    | 5.96    |           |     |     | 0.71     |
| ResidueFilterable-TDS | mg/L     | 2186     | 4041    | 8131    |           |     |     | 4270     |
| Sulfate               | mg/L     | <MDL     | 16.82   | 91.58   |           |     |     | 6.7      |
| Arsenic (Dissolved)   | mg/L     | <MDL     | 0.106   | 0.545   |           |     |     | 0.000174 |
| Cadmium (Dissolved)   | mg/L     | <MDL     | 0.027   | 0.07    |           |     |     | 0.000267 |
| Calcium (Dissolved)   | mg/L     | 0.24     | 9.36    | 53.7    |           |     |     | 7.15     |
| Iron (Dissolved)      | mg/L     | 0.01     | 0.25    | 0.903   |           |     |     | 0.33     |
| Iron (TREC)           | mg/L     | 0.011    | 2.82    | 31.8    |           |     |     | 1.07     |
| Magnesium (Dissolved) | mg/L     | 0.73     | 4.58    | 29.9    |           |     |     | 1.86     |
| Manganese (Dissolved) | mg/L     | <MDL     | 0.024   | 0.102   |           |     |     | <MDL     |
| Manganese (TREC)      | mg/L     | 0.009    | 0.104   | 1.129   |           |     |     | <MDL     |
| Mercury (Dissolved)   | mg/L     | <MDL     | 0.00009 | 0.00044 |           |     |     | <MDL     |
| Selenium (Dissolved)  | mg/L     | 0.003    | 0.152   | 1.595   |           |     |     | <MDL     |
| Sodium (Dissolved)    | mg/L     | 3.885    | 1426.8  | 2291.2  |           |     |     | 1710     |
| Zinc (Dissolved)      | mg/L     | <MDL     | 0.06    | 0.4     |           |     |     | <MDL     |

The area of concern for monitoring point DH-67B has not been affected by the mining operation. Therefore, monitoring events are considered Baseline.

\*Site inaccessible due to snow for 1Q

Note 1: Sample taken in field apparently lost by laboratory.

Note 2: Special bailer for this well broke, could not get sample.

\* Site not accessible 1Q due to snow



DH-67D (Reb)  
Hubbard Creek - D - Seam Monitoring Well  
Elevation - 6450'  
Depth - 324.8'

|           |            |
|-----------|------------|
| Initiated | 11/30/2000 |
| Activated |            |
| Date      | 6/16/2022  |

| Summary Information   |          |          |         |         |           |     |     |          |
|-----------------------|----------|----------|---------|---------|-----------|-----|-----|----------|
| Field Parameters      | UNITS    | Baseline |         |         | Operation |     |     |          |
|                       |          | Min      | Ave     | Max     | Min       | Ave | Max |          |
| Static Water Level    | Feet     | 123.4    | 222.444 | 253.85  |           |     |     | 245.6    |
| Water Elevation       | Feet     | 6196.2   | 6227.6  | 6326.6  |           |     |     | 6204.4   |
| FieldComment          |          |          |         |         |           |     |     | *        |
| ph                    | su       | 7.9      | 9.3     | 10.6    |           |     |     | 7.9      |
| Conductivity          | umhos/cm | 6.96     | 6208    | 8780    |           |     |     | 6800     |
| Temperature           | Celsius  | 11.2     | 16.3    | 19.3    |           |     |     | 16.2     |
| Lab Parameters        | UNITS    |          |         |         |           |     |     |          |
|                       |          | Min      | Ave     | Max     | Min       | Ave | Max |          |
| Bicarbonate           | mg/L     | <MDL     | 2816.31 | 4320    |           |     |     | 3050     |
| Carbonate             | mg/L     | <MDL     | 367.576 | 1160    |           |     |     | 243      |
| Chloride              | mg/L     | 6.76     | 395.72  | 610     |           |     |     | 429      |
| Conductivity          | umhos/cm | 2908     | 5841.47 | 13132   |           |     |     | 6670     |
| Hardness              | mg/L     | <MDL     | 19.23   | 51.55   |           |     |     | 25       |
| Nitrate-Nitrite       | mg/L     | <MDL     | 5.449   | 60.03   |           |     |     | <MDL     |
| Ammonia               | mg/L     | 0.188    | 4.847   | 30.5    |           |     |     | 2.85     |
| pH                    | su       | 7.61     | 8.91    | 9.63    |           |     |     | 8.5      |
| Phosphate             | mg/L     | <MDL     | 2.105   | 48.2    |           |     |     | 0.5      |
| ResidueFilterable-TDS | mg/L     | 0.15     | 3924    | 5188    |           |     |     | 4460     |
| Sulfate               | mg/L     | <MDL     | 31.19   | 300     |           |     |     | <MDL     |
| Arsenic (Dissolved)   | mg/L     | <MDL     | 0.15548 | 0.915   |           |     |     | 0.00655  |
| Cadmium (Dissolved)   | mg/L     | <MDL     | 0.745   | 16.6    |           |     |     | 0.000323 |
| Calcium (Dissolved)   | mg/L     | <MDL     | 4.67    | 36.7    |           |     |     | 6.7      |
| Iron (Dissolved)      | mg/L     | 0.01     | 0.40    | 7.27    |           |     |     | 0.557    |
| Iron (TREC)           | mg/L     | 0.0251   | 3.28    | 99.3    |           |     |     | 0.745    |
| Magnesium (Dissolved) | mg/L     | <MDL     | 2.36    | 10.2    |           |     |     | 2.03     |
| Manganese (Dissolved) | mg/L     | <MDL     | 0.035   | 0.417   |           |     |     | <MDL     |
| Manganese (TREC)      | mg/L     | <MDL     | 0.866   | 22.7    |           |     |     | <MDL     |
| Mercury (Dissolved)   | mg/L     | <MDL     | 0.00009 | 0.00042 |           |     |     | <MDL     |
| Selenium (Dissolved)  | mg/L     | <MDL     | 0.15096 | 1.064   |           |     |     | <MDL     |
| Sodium (Dissolved)    | mg/L     | 784      | 1619.11 | 3576.25 |           |     |     | 1760     |
| Zinc (Dissolved)      | mg/L     | 0.006    | 0.043   | 0.206   |           |     |     | <MDL     |

The area of concern for monitoring point DH-67D has not been affected by the mining operation. Therefore, all monitoring events are considered Baseline.

\*Site inaccessible due to snow for 1Q

DH-67abv  
Hubbard Creek - Monitoring Well  
Elevation - 6450.5  
Depth - 193'

|           |           |
|-----------|-----------|
| Initiated | 6/26/2005 |
| Activated |           |
| Date      | 6/16/2022 |

| Summary Information   |          |          |         |         |           |     |     |         |
|-----------------------|----------|----------|---------|---------|-----------|-----|-----|---------|
| Field Parameters      | UNITS    | Baseline |         |         | Operation |     |     |         |
|                       |          | Min      | Ave     | Max     | Min       | Ave | Max |         |
| Static Water Level    | Feet     | 29.5     | 44.2    | 59.7    |           |     |     | 42.4    |
| Water Elevation       | Feet     | 6390.8   | 6406.5  | 6421.0  |           |     |     | 6408.6  |
| FieldComment          |          |          |         |         |           |     |     | *       |
| ph                    | su       | 7.1      | 7.7     | 8.8     |           |     |     | 7.91    |
| Conductivity          | umhos/cm | 2000     | 2652    | 3700    |           |     |     | 2440    |
| Temperature           | Celsius  | 5.6      | 10.3    | 12.6    |           |     |     | 9.6     |
| Lab Parameters        |          |          |         |         |           |     |     |         |
| Parameters            | UNITS    |          |         |         |           |     |     |         |
| Bicarbonate           | mg/L     | 1.44     | 1962.32 | 13770.0 |           |     |     | 1100    |
| Carbonate             | mg/L     | <MDL     | 65.6    | 138.5   |           |     |     | 114     |
| Chloride              | mg/L     | <MDL     | 85.6    | 407.0   |           |     |     | 40.3    |
| Conductivity          | umhos/cm | 1370     | 2791    | 5850    |           |     |     | 2320    |
| Hardness              | mg/L     | 8.54     | 46.05   | 145.95  |           |     |     | 41      |
| Nitrate-Nitrite       | mg/L     | <MDL     | 2.8     | 32.3    |           |     |     | 0.056   |
| Ammonia               | mg/L     | <MDL     | 0.9     | 2.5     |           |     |     | <MDL    |
| pH                    | su       | 7.1      | 8.0     | 9.1     |           |     |     | 8.4     |
| Phosphate             | mg/L     | <MDL     | 0.4     | 1.8     |           |     |     | 0.76    |
| ResidueFilterable-TDS | mg/L     | 794      | 1878    | 3900    |           |     |     | 1500    |
| Sulfate               | mg/L     | <MDL     | 23.94   | 288.00  |           |     |     | 38.1    |
| Arsenic (Dissolved)   | mg/L     | <MDL     | 0.050   | 0.415   |           |     |     | 0.00269 |
| Cadmium (Dissolved)   | mg/L     | <MDL     | 0.02    | 0.07    |           |     |     | <MDL    |
| Calcium (Dissolved)   | mg/L     | <MDL     | 19.9    | 115.0   |           |     |     | 10.7    |
| Iron (Dissolved)      | mg/L     | <MDL     | 0.19    | 2.97    |           |     |     | 0.17    |
| Iron (TREC)           | mg/L     | 0.01     | 0.57    | 1.82    |           |     |     | 0.809   |
| Magnesium (Dissolved) | mg/L     | <MDL     | 4.5     | 18.1    |           |     |     | 3.5     |
| Manganese (Dissolved) | mg/L     | <MDL     | 2.737   | 86.700  |           |     |     | 0.042   |
| Manganese (TREC)      | mg/L     | 0.006    | 0.042   | 0.132   |           |     |     | 0.067   |
| Mercury (Dissolved)   | mg/L     | <MDL     | 0.00008 | 0.00036 |           |     |     | <MDL    |
| Selenium (Dissolved)  | mg/L     | <MDL     | 0.030   | 0.149   |           |     |     | <MDL    |
| Sodium (Dissolved)    | mg/L     | 218      | 818     | 2093    |           |     |     | 555     |
| Zinc (Dissolved)      | mg/L     | <MDL     | 0.022   | 0.067   |           |     |     | <MDL    |

The area of concern for monitoring point DH-67abv has not been affected by the mining operation. Therefore, monitoring events are considered Baseline.

\*Site inaccessible due to snow for 1Q

**DH-67blw**  
**Hubbard Creek - Monitoring Well**  
**Elevation - 6466**  
**Depth - 357'**  
**Replacement Well 9/26/14**

|           |
|-----------|
| 9/26/2014 |
| 6/16/2022 |

**Summary Information**

| Field Parameters       | UNITS    | Min    | Ave     | Max    |         |
|------------------------|----------|--------|---------|--------|---------|
| Static Water Level     | Feet     | 244    | 259.477 | 318.55 | 250.7   |
| Water Elevation        | Feet     | 6147.5 | 6206.5  | 6222.0 | 6215.3  |
| FieldComment           |          |        |         |        | *       |
| ph                     | su       | 7.9    | 8.4     | 9.7    | 8.69    |
| Conductivity           | umhos/cm | 4800   | 6369    | 6920   | 6760    |
| Temperature            | Celsius  | 16.1   | 17.65   | 21.1   | 17      |
| Lab Parameters         | UNITS    |        |         |        |         |
| Bicarbonate            | mg/L     | 1460   | 3354.17 | 4150   | 2650    |
| Carbonate              | mg/L     | <MDL   | <MDL    | <MDL   | 545     |
| Chloride               | mg/L     | 0.414  | 318     | 435    | 411     |
| Conductivity           | umhos/cm | 2020   | 5480    | 6470   | 6460    |
| Hardness               | mg/L     | 6      | 30.79   | 55.1   | 6       |
| Nitrate-Nitrite        | mg/L     | <MDL   | <MDL    | <MDL   | <MDL    |
| Ammonia                | mg/L     | 0.39   | 3.3     | 8.88   | 8.71    |
| pH                     | su       | 7.92   | 8.48385 | 9.35   | 8.9     |
| Phosphate              | mg/L     | 0.12   | 0.30154 | 0.92   | 0.92    |
| Residue Filterable-TDS | mg/L     | 1380   | 3853.08 | 4840   | 4170    |
| Sulfate                | mg/L     | <MDL   | 16.66   | 26.9   | 10.5    |
| Arsenic                | mg/L     | <MDL   | <MDL    | <MDL   | 0.00145 |
| Cadmium                | mg/L     | <MDL   | <MDL    | <MDL   | <MDL    |
| Calcium                | mg/L     | 2.1    | 7.82    | 15.60  | 2.3     |
| Iron (Dissolved)       | mg/L     | 0.0358 | 0.08838 | 0.167  | <MDL    |
| Iron (Total)           | mg/L     | 0.104  | 0.72285 | 1.37   | 0.344   |
| Magnesium              | mg/L     | 0.009  | 2.31452 | 3.920  | <MDL    |
| Manganese (Dissolved)  | mg/L     | 0.0089 | 0.02998 | 0.0899 | <MDL    |
| Manganese (Total)      | mg/L     | 0.0014 | 61.3079 | 674    | <MDL    |
| Mercury                | mg/L     | <MDL   | <MDL    | <MDL   | <MDL    |
| Selenium               | mg/L     | <MDL   | <MDL    | <MDL   | <MDL    |
| Sodium (Dissolved)     | mg/L     | 514    | 1572.62 | 1830   | 1670    |
| Zinc                   | mg/L     | <MDL   | 0.0826  | 0.0826 | <MDL    |

*The area of concern for monitoring point DH-67blw has not been affected by the mir. monitoring events are considered Baseline.*

*Replacement well constructed September 2014*

*\*Site inaccessible due to snow for 1Q*

Baseline Information collection re-initiated on 9/26/2014 and not yet considered complete. Point DH-67blw has not been influenced by mining.

**CWI-DH-58A**  
**Upper B Seam**  
**Elevation -7442.2**  
**Depth - 575'**

3/17/2015

8/18/2022

**Summary Information**

**Baseline**

| Field Parameters      | UNITS    | Min    | Ave     | Max     |         |
|-----------------------|----------|--------|---------|---------|---------|
| Static Water Level    | Feet     | 512.6  | 533.4   | 536.1   | 535.2   |
| Water Elevation       | Feet     | 6906.1 | 6908.8  | 6929.6  | 6907    |
| FieldComment          |          |        |         |         |         |
| ph                    | su       | 7.6    | 8.5     | 17.7    | 7.88    |
| Conductivity          | umhos/cm | 2      | 1592    | 2350    | 2350    |
| Temperature           | Celsius  | 17.7   | 20.0    | 26.2    | 21.5    |
| Lab Parameters        | UNITS    |        |         |         |         |
| Bicarbonate           | mg/L     | 635    | 964     | 1320    | 1200    |
| Carbonate             | mg/L     | <MDL   | 34.6    | 77.4    | 77.4    |
| Chloride              | mg/L     | 16.4   | 20.6    | 34.6    | 34.6    |
| Conductivity          | umhos/cm | 866    | 1456    | 2180    | 2180    |
| Hardness              | mg/L     | 8.2    | 27.4    | 65.7    | 28.0    |
| Nitrate-Nitrite       | mg/L     | <MDL   | 0.08    | 0.08    | <MDL    |
| Ammonia               | mg/L     | 0.03   | 1.10    | 2.02    | 2.02    |
| pH                    | su       | 7.59   | 8.26    | 9.03    | 8.6     |
| Phosphate             | mg/L     | 1.70   | 2.94    | 5.20    | 3.08    |
| ResidueFilterable-TDS | mg/L     | 744    | 1070    | 1430    | 1430    |
| Sulfate               | mg/L     | <MDL   | 1.8     | 3.5     | 1.1     |
| Arsenic               | mg/L     | <MDL   | 0.02472 | 0.06150 | 0.0615  |
| Cadmium               | mg/L     | <MDL   | <MDL    | <MDL    | <MDL    |
| Calcium               | mg/L     | <MDL   | 8.8     | 14.0    | 9.37    |
| Iron (Dissolved)      | mg/L     | 0.012  | 0.163   | 1.750   | 0.139   |
| Iron (Total)          | mg/L     | 0.573  | 2.543   | 9.270   | 3.2     |
| Magnesium (Dissolved) | mg/L     | 0.052  | 1.145   | 6.000   | 1.11    |
| Manganese (Dissolved) | mg/L     | <MDL   | 0.2554  | 2.3300  | 0.119   |
| Manganese (Total)     | mg/L     | <MDL   | 0.2403  | 0.6240  | 0.172   |
| Mercury               | mg/L     | <MDL   | <MDL    | <MDL    | <MDL    |
| Selenium              | mg/L     | <MDL   | <MDL    | <MDL    | 0.00081 |
| Sodium                | mg/L     | 141    | 514     | 3050    | 542     |
| Zinc                  | mg/L     | <MDL   | 0.0219  | 0.0219  | <MDL    |

*The area of concern for monitoring point CWI-DH-58A has not been affected by the n monitoring events are considered Baseline.*

*New Well beginning in December 2014.*

Baseline information collection initiated on March 17, 2015.  
Point CWI-DH-58A has not and will not be influenced by mining.

**Bowie Resources, LLC**  
**Bowie No. 2 Mine**  
**2022 Baseline**

**Ground Water**

**CWI-DH-60**  
**Upper B Seam**  
**Elevation - 7921**  
**Depth - 1085'**

|            |
|------------|
| 10/20/2014 |
| 8/18/2022  |

**Summary Information**

| Field Parameters      | UNITS    | Min    | Ave     | Max     |
|-----------------------|----------|--------|---------|---------|
| Static Water Level    | Feet     | 943.6  | 946.7   | 952.1   |
| Water Elevation       | Feet     | 6968.9 | 6974.3  | 6977.4  |
| FieldComment          |          |        |         |         |
| ph                    | su       | 8.0    | 8.3     | 8.5     |
| Conductivity          | umhos/cm | 1062   | 4985    | 10980   |
| Temperature           | Celsius  | 18.5   | 21.4    | 23.4    |
| Lab Parameters        | UNITS    |        |         |         |
| Bicarbonate           | mg/L     | 5620   | 7298    | 8330    |
| Carbonate             | mg/L     | <MDL   | <MDL    | <MDL    |
| Chloride              | mg/L     | 240    | 299     | 337     |
| Conductivity          | umhos/cm | 7820   | 9566    | 10800   |
| Hardness              | mg/L     | 56.0   | 73.7    | 86.2    |
| Nitrate-Nitrite       | mg/L     | <MDL   | <MDL    | <MDL    |
| Ammonia               | mg/L     | 0.84   | 1.66    | 2.84    |
| pH                    | su       | 7.96   | 8.18    | 8.60    |
| Phosphate             | mg/L     | 0.05   | 0.21    | 0.48    |
| ResidueFilterable-TDS | mg/L     | 6070   | 7528    | 8110    |
| Sulfate               | mg/L     | <MDL   | 20.7    | 23.2    |
| Arsenic               | mg/L     | <MDL   | 0.00044 | 0.00045 |
| Cadmium               | mg/L     | <MDL   | 0.0013  | 0.0018  |
| Calcium               | mg/L     | 11.3   | 16.4    | 21.2    |
| Iron (Dissolved)      | mg/L     | 0.216  | 28.433  | 532.000 |
| Iron (Total)          | mg/L     | 0.83   | 2.59    | 10.20   |
| Magnesium (Dissolved) | mg/L     | 6.00   | 8.00    | 9.57    |
| Manganese (Dissolved) | mg/L     | 0.0103 | 0.0145  | 0.0186  |
| Manganese (Total)     | mg/L     | 0.0131 | 0.0328  | 0.1000  |
| Mercury               | mg/L     | <MDL   | <MDL    | <MDL    |
| Selenium              | mg/L     | <MDL   | <MDL    | <MDL    |
| Sodium                | mg/L     | 315    | 2887    | 3760    |
| Zinc                  | mg/L     | <MDL   | <MDL    | <MDL    |

The area of concern for monitoring point CWI-DH-60 has not been affected by the mi monitoring events are considered Baseline.

CWI-DH-60 is located southwest of projected mining. It will not be impacted by Bowi

CWI-DH-60 was cemented to the bottom of the upper B-Seam during September 201

CWI-DH-60 was worked over and cleaned during August 2014.

Baseline Information collection re-initiated on 03/18/15.  
Point CWI-DH-60 has not and will not be influenced by mining.

**DH-2010-1SS**  
**Sanstone Above B-Seam**  
**Elevation - 7544.4**  
**Depth - 1140'**

|           |
|-----------|
| 3/18/2015 |
| 8/18/2022 |

Summary Information

| Field Parameters      | UNITS    | Min    | Ave    | Max    |
|-----------------------|----------|--------|--------|--------|
| Static Water Level    | Feet     | 1088.3 | 1096.5 | 1104.2 |
| Water Elevation       | Feet     | 6442.8 | 6450.5 | 6458.7 |
| FieldComment          |          |        |        |        |
| ph                    | su       | 7.0    | 8.0    | 11.7   |
| Conductivity          | umhos/cm | 1330   | 1717   | 2790   |
| Temperature           | Celsius  | 7.3    | 25.3   | 27.6   |
| Lab Parameters        | UNITS    |        |        |        |
| Bicarbonate           | mg/L     | <MDL   | 691    | 809    |
| Carbonate             | mg/L     | <MDL   | <MDL   | <MDL   |
| Chloride              | mg/L     | 110    | 151    | 416    |
| Conductivity          | umhos/cm | 1110   | 1406   | 1870   |
| Hardness              | mg/L     | 34.0   | 41.9   | 52.0   |
| Nitrate-Nitrite       | mg/L     | <MDL   | <MDL   | <MDL   |
| Ammonia               | mg/L     | 5.0    | 6.6    | 8.1    |
| pH                    | su       | 7.10   | 7.42   | 8.30   |
| Phosphate             | mg/L     | 0.5    | 1.7    | 5.2    |
| ResidueFilterable-TDS | mg/L     | 780    | 1028   | 1800   |
| Sulfate               | mg/L     | <MDL   | 4.05   | 5.40   |
| Arsenic (Dissolved)   | mg/L     | 0.17   | 0.22   | 0.29   |
| Cadmium (Dissolved)   | mg/L     | <MDL   | <MDL   | <MDL   |
| Calcium (Dissolved)   | mg/L     | 0.1    | 13.7   | 17.2   |
| Iron (Dissolved)      | mg/L     | 0.096  | 0.154  | 0.323  |
| Iron (Total)          | mg/L     | 0.75   | 2.93   | 4.94   |
| Magnesium (Dissolved) | mg/L     | 0.130  | 1.241  | 1.610  |
| Manganese (Dissolved) | mg/L     | 0.0832 | 0.1043 | 0.1300 |
| Manganese (Total)     | mg/L     | 0.095  | 0.125  | 0.145  |
| Mercury (Dissolved)   | mg/L     | <MDL   | 0.001  | 0.001  |
| Selenium (Dissolved)  | mg/L     | <MDL   | 0.0038 | 0.0044 |
| Sodium (Dissolved)    | mg/L     | 274    | 324    | 424    |
| Zinc (Dissolved)      | mg/L     | <MDL   | 0.0610 | 0.0900 |

The area of concern for monitoring point DH-2010-1SS has not been affected by the monitoring events are considered Baseline.

DH-2010-1SS is located in Section 5. It will be impacted by future Bowie No. 2 Mine

Lab analysis is required semi-annually

Baseline Information collection re-initiated on 03/18/15 and not yet considered complete.  
Point DH-2010-1B has not been influenced by mining.

**DH-2010-1B**  
**B Seam**  
**Elevation - 7544.6**  
**Depth - 1220'**

|            |
|------------|
| 10/16/2014 |
| 8/18/2022  |

Summary Information  
Baseline

| Field Parameters      | UNITS    | Min    | Ave    | Max    |         |
|-----------------------|----------|--------|--------|--------|---------|
| Static Water Level    | Feet     | 1092.4 | 1165.7 | 1998.1 | 1104.1  |
| Water Elevation       | Feet     | 5549   | 6381   | 6455   | 6442.9  |
| FieldComment          |          |        |        |        |         |
| ph                    | su       | 7.4    | 11.0   | 23.3   | 7.5     |
| Conductivity          | umhos/cm | 378    | 1769   | 2666   | 2090    |
| Temperature           | Celsius  | 11.6   | 24.7   | 27.7   | 27.4    |
| Lab Parameters        | UNITS    |        |        |        |         |
| Bicarbonate           | mg/L     | <MDL   | 212.2  | 1040.0 | 804     |
| Carbonate             | mg/L     | 45     | 264    | 553    | <MDL    |
| Chloride              | mg/L     | 6.30   | 105.85 | 187.00 | 168     |
| Conductivity          | umhos/cm | 336    | 1453   | 2440   | 1820    |
| Hardness              | mg/L     | 0.0    | 9.8    | 44.0   | 44      |
| Nitrate-Nitrite       | mg/L     | <MDL   | 0.48   | 1.60   | <MDL    |
| Ammonia               | mg/L     | 0.5    | 16.5   | 28.8   | 8.1     |
| pH                    | su       | 8.20   | 10.52  | 11.58  | 8.2     |
| Phosphate             | mg/L     | 0.05   | 0.24   | 1.40   | 1.4     |
| ResidueFilterable-TDS | mg/L     | 253    | 1057   | 1800   | 1800    |
| Sulfate               | mg/L     | 1.5    | 78.2   | 166.0  | <MDL    |
| Arsenic (Dissolved)   | mg/L     | <MDL   | 0.0513 | 0.1710 | 0.171   |
| Cadmium (Dissolved)   | mg/L     | <MDL   | <MDL   | <MDL   | <MDL    |
| Calcium (Dissolved)   | mg/L     | 1.54   | 3.65   | 15.00  | 15      |
| Iron (Dissolved)      | mg/L     | 0.0570 | 0.1221 | 0.2450 | 0.245   |
| Iron (Total)          | mg/L     | 0.20   | 1.46   | 4.31   | 3.21    |
| Magnesium (Dissolved) | mg/L     | <MDL   | <MDL   | <MDL   | 1.47    |
| Manganese (Dissolved) | mg/L     | <MDL   | 0.0231 | 0.1110 | 0.111   |
| Manganese (Total)     | mg/L     | 0.0068 | 0.0352 | 0.1370 | 0.137   |
| Mercury (Dissolved)   | mg/L     | <MDL   | <MDL   | <MDL   | <MDL    |
| Selenium (Dissolved)  | mg/L     | <MDL   | <MDL   | <MDL   | 0.00348 |
| Sodium (Dissolved)    | mg/L     | 74     | 314    | 501    | 414     |
| Zinc (Dissolved)      | mg/L     | <MDL   | <MDL   | <MDL   | 0.9     |

The area of concern for monitoring point DH-2010-1B has not been affected by the m monitoring events are considered Baseline.

DH-2010-1B is located in Section 5 It will be impacted by future Bowie No. 2 Mine w DH-2010-1B was rehabilitated in 2014. Baseline inforamtion is collected beginning O

Baseline Information collection re-initiated on 10/16/14 and not yet considered complete.  
Point DH-2010-1B has not been influenced by mining.

**AW-1**  
**Alluvial Well**  
**Top of Pipe Elevation - 5977.76'**  
**Depth - 120'**  
**Pipe 1.06' Above Ground**

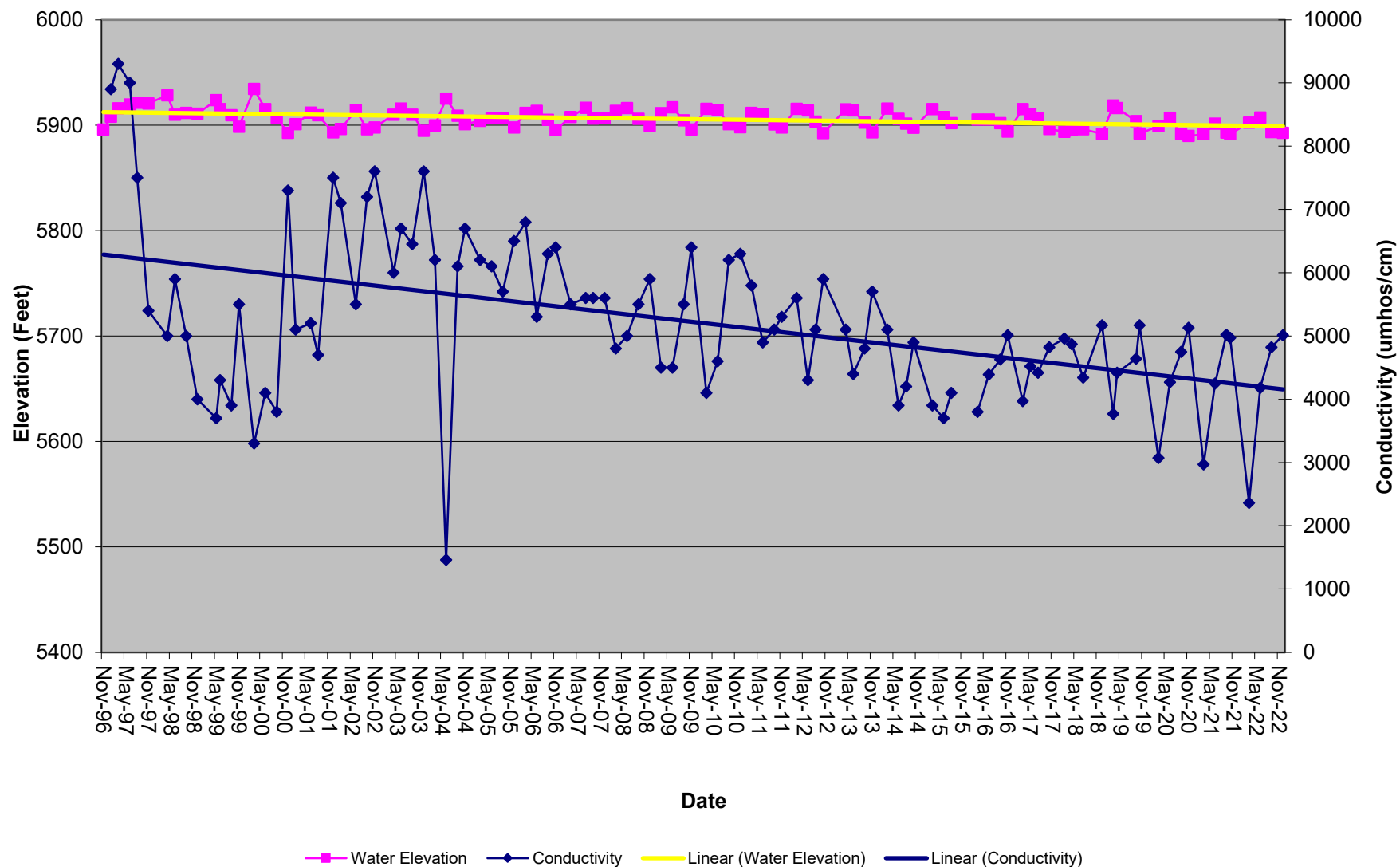
|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 11/23/1996 | 11/23/1996 | 11/23/1996 | 11/23/1996 |
| Activated | 3/27/1997  | 3/27/1997  | 3/27/1997  | 3/27/1997  |
| Date      | 12/1/2022  | 9/27/2022  | 6/6/2022   | 3/28/2022  |

| Summary Information   |          |        |        |           |        |         |         |         |         |          |         |  |
|-----------------------|----------|--------|--------|-----------|--------|---------|---------|---------|---------|----------|---------|--|
| Field Parameters      | Baseline |        |        | Operation |        |         |         |         |         |          |         |  |
|                       | UNITS    | Min    | Ave    | Max       | Min    | Ave     | Max     |         |         |          |         |  |
| Static Water Level    | Feet     | 61.92  | 71.25  | 82.01     | 43.44  | 72.00   | 88.10   | 85.1    | 84.3    | 70.6     | 75.3    |  |
| Water Elevation       | Feet     | 5895.7 | 5906.5 | 5915.8    | 5889.7 | 5905.8  | 5934.3  | 5892.66 | 5893.46 | 5907.16  | 5902.46 |  |
| FieldComment          |          |        |        |           |        |         |         |         |         |          |         |  |
| ph                    | su       | 7.1    | 7.2    | 7.3       | 7.0    | 7.4     | 12.9    | 7.51    | 7.7     | 7.27     | 7.91    |  |
| Conductivity          | umhos/cm | 8900   | 9100   | 9300      | 1460   | 5149    | 9000    | 5010    | 4820    | 4180     | 2360    |  |
| Temperature           | Celsius  | 10.2   | 11.3   | 12.4      | 8.7    | 28.5    | 1590.0  | 13.6    | 1590    | 15.3     | 14.5    |  |
| Lab Parameters        | UNITS    |        |        |           |        |         |         |         |         |          |         |  |
| Bicarbonate           | mg/L     | 641    | 649    | 657       | 214.0  | 612.8   | 1165.2  |         |         | 733      |         |  |
| Carbonate             | mg/L     | <MDL   | <MDL   | <MDL      | <MDL   | 0.83    | 10.76   |         |         | <MDL     |         |  |
| Chloride              | mg/L     | 77     | 78     | 79        | 8.5    | 154.9   | 318.5   |         |         | 152      |         |  |
| Conductivity          | umhos/cm | 6480   | 7230   | 7980      | 894    | 5091    | 8610    |         |         | 4000     |         |  |
| Hardness              | mg/L     | 2750   | 2895   | 3040      | <MDL   | 1435    | 4511    |         |         | 1230     |         |  |
| Nitrate-Nitrite       | mg/L     | 5.7    | 6.5    | 7.3       | <MDL   | 3.63    | 11.20   |         |         | 2.31     |         |  |
| Ammonia               | mg/L     | 0.07   | 0.11   | 0.14      | <MDL   | 0.49    | 8.10    |         |         | <MDL     |         |  |
| pH                    | su       | 7.4    | 7.6    | 7.8       | 0.0    | 7.4     | 8.5     |         |         | 8        |         |  |
| Phosphate             | mg/L     | <MDL   | <MDL   | <MDL      | <MDL   | 0.03    | 0.22    |         |         | 0.023    |         |  |
| ResidueFilterable-TDS | mg/L     | 7990   | 8200   | 8410      | 787    | 4438    | 8710    |         |         | 3170     |         |  |
| Sulfate               | mg/L     | 5140   | 5220   | 5300      | 135    | 2372    | 8330    |         |         | 1560     |         |  |
| Arsenic (Dissolved)   | mg/L     | <MDL   | 0      | 0         | <MDL   | 0       | 1       |         |         | <MDL     |         |  |
| Cadmium (Dissolved)   | mg/L     | <MDL   | <MDL   | <MDL      | <MDL   | 0.015   | 0.050   |         |         | 0.000105 |         |  |
| Calcium (Dissolved)   | mg/L     | 316    | 327    | 338       | 23.4   | 171.5   | 360.0   |         |         | 151      |         |  |
| Iron (Dissolved)      | mg/L     | <MDL   | <MDL   | <MDL      | <MDL   | 0.12    | 1.75    |         |         | <MDL     |         |  |
| Iron (TREC)           | mg/L     | 0.13   | 0.41   | 0.70      | 0.01   | 0.58    | 2.37    |         |         | 0.607    |         |  |
| Magnesium (Dissolved) | mg/L     | 476    | 505    | 533       | 53.8   | 281.4   | 961.5   |         |         | 206      |         |  |
| Manganese (Dissolved) | mg/L     | <MDL   | 0.03   | 0.05      | <MDL   | 0.034   | 0.490   |         |         | <MDL     |         |  |
| Manganese (TREC)      | mg/L     | 0.01   | 0.03   | 0.06      | <MDL   | 1.525   | 7.440   |         |         | 0.049    |         |  |
| Mercury (Dissolved)   | mg/L     | <MDL   | <MDL   | <MDL      | <MDL   | 0.00005 | 0.00024 |         |         | <MDL     |         |  |
| Selenium (Dissolved)  | mg/L     | 0.026  | 0.031  | 0.035     | 0.001  | 0.219   | 7.400   |         |         | 0.00872  |         |  |
| Sodium (Dissolved)    | mg/L     | 1550   | 1625   | 1700      | 253.0  | 889.7   | 1867.5  |         |         | 545      |         |  |
| Zinc (Dissolved)      | mg/L     | <MDL   | <MDL   | <MDL      | <MDL   | 0.02    | 0.11    |         |         | <MDL     |         |  |

Alluvial Wells AW-1 through AW-6 are located north of Old State Highway 133, near the entrance to the mine.



Plot of Conductivity and Water Level



**AW-2**  
**Alluvial Well**  
**Top of Pipe Elevation - 5966.2'**  
**Depth - 50.4'**  
**Pipe 1.32' Above Ground**

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 11/23/1996 | 11/23/1996 | 11/23/1996 | 11/23/1996 |
| Activated | 3/27/1997  | 3/27/1997  | 3/27/1997  | 3/27/1997  |
| Date      | 12/1/2022  | 9/27/2022  | 6/6/2022   | 3/28/2022  |

| Field Parameters      |          | Summary Information |          |        |        |           |         |         |         |         |         |
|-----------------------|----------|---------------------|----------|--------|--------|-----------|---------|---------|---------|---------|---------|
|                       |          | UNITS               | Baseline |        |        | Operation |         |         |         |         |         |
|                       |          |                     | Min      | Ave    | Max    | Min       | Ave     | Max     |         |         |         |
| Static Water Level    | Feet     |                     | 50.35    | 50.65  | 50.81  | 35.55     | 47.33   | 54.90   | 45.8    | 45.2    | 45.3    |
| Water Elevation       | Feet     |                     | 5915.8   | 5916.0 | 5916.3 | 5911.7    | 5919.3  | 5931.1  | 5920.82 | 5921.42 | 5921.32 |
| FieldComment          |          |                     | Damp     |        |        |           |         |         |         | DRY     | DRY     |
| ph                    | su       |                     |          |        |        | 6.8       | 7.1     | 7.7     | 7.29    |         |         |
| Conductivity          | umhos/cm |                     |          |        |        | 989       | 6677    | 10610   | 989     |         |         |
| Temperature           | Celsius  |                     |          |        |        | 10.5      | 14.6    | 18.4    | 13.7    |         |         |
| Lab Parameters        |          | UNITS               |          |        |        |           |         |         |         |         |         |
| Bicarbonate           | mg/L     |                     |          |        |        | 345.18    | 792.65  | 1080.00 |         |         |         |
| Carbonate             | mg/L     |                     |          |        |        | <MDL      | 235.47  | 908.00  |         |         |         |
| Chloride              | mg/L     |                     |          |        |        | 54.50     | 175.07  | 370.63  |         |         |         |
| Conductivity          | umhos/cm |                     |          |        |        | 3770      | 8012    | 12510   |         |         |         |
| Hardness              | mg/L     |                     |          |        |        | 241.87    | 2845.46 | 4540.00 |         |         |         |
| Nitrate-Nitrite       | mg/L     |                     |          |        |        | <MDL      | 3.12    | 9.65    |         |         |         |
| Ammonia               | mg/L     |                     |          |        |        | <MDL      | 1.40    | 4.60    |         |         |         |
| pH                    | su       |                     |          |        |        | 6.7       | 7.5     | 8.4     |         |         |         |
| Phosphate             | mg/L     |                     |          |        |        | <MDL      | 0.07    | 0.25    |         |         |         |
| ResidueFilterable-TDS | mg/L     |                     |          |        |        | 319       | 7505    | 11300   |         |         |         |
| Sulfate               | mg/L     |                     |          |        |        | 235       | 3913    | 6960    |         |         |         |
| Arsenic (Dissolved)   | mg/L     |                     |          |        |        | <MDL      | 0.179   | 1.795   |         |         |         |
| Cadmium (Dissolved)   | mg/L     |                     |          |        |        | <MDL      | 0.0345  | 0.1100  |         |         |         |
| Calcium (Dissolved)   | mg/L     |                     |          |        |        | 33        | 328     | 518     |         |         |         |
| Iron (Dissolved)      | mg/L     |                     |          |        |        | 0.02      | 0.09    | 0.26    |         |         |         |
| Iron (TREC)           | mg/L     |                     |          |        |        | 0.04      | 1.51    | 13.60   |         |         |         |
| Magnesium (Dissolved) | mg/L     |                     |          |        |        | 170       | 547     | 970     |         |         |         |
| Manganese (Dissolved) | mg/L     |                     |          |        |        | <MDL      | 0.15    | 0.89    |         |         |         |
| Manganese (TREC)      | mg/L     |                     |          |        |        | 0.01      | 0.40    | 3.90    |         |         |         |
| Mercury (Dissolved)   | mg/L     |                     |          |        |        | <MDL      | 0.04060 | 0.77000 |         |         |         |
| Selenium (Dissolved)  | mg/L     |                     |          |        |        | 0.00      | 0.06    | 0.54    |         |         |         |
| Sodium (Dissolved)    | mg/L     |                     |          |        |        | 21.0      | 1158.7  | 2212.5  |         |         |         |
| Zinc (Dissolved)      | mg/L     |                     |          |        |        | <MDL      | 0.04    | 0.08    |         |         |         |

Alluvial Wells AW-1 through AW-6 are located north of Old State Highway 133, near the entrance to the mine.

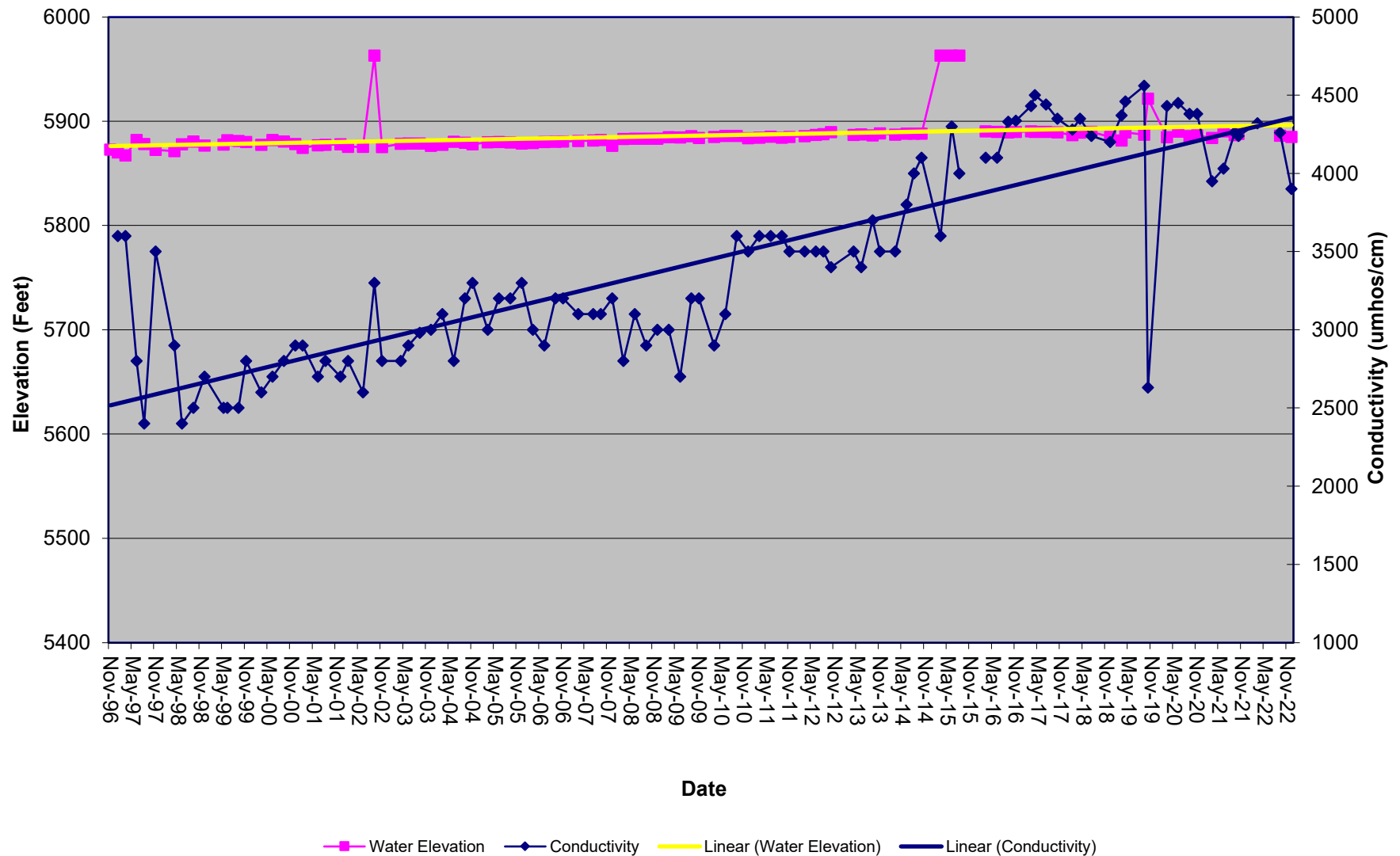
**AW-3**  
**Alluvial Well**  
**Top of Pipe Elevation - 5962.96'**  
**Depth - 150'**  
**Pipe 1.16' Above Ground**

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 11/23/1996 | 11/23/1996 | 11/23/1996 | 11/23/1996 |
| Activated | 3/27/1997  | 3/27/1997  | 3/27/1997  | 3/27/1997  |
| Date      | 12/1/2022  | 9/27/2022  | 6/6/2022   | 3/28/2022  |

| Field Parameters      |          | Summary Information |        |        | Baseline |        |         | Operation |         |         |         |         |  |  |
|-----------------------|----------|---------------------|--------|--------|----------|--------|---------|-----------|---------|---------|---------|---------|--|--|
|                       |          | UNITS               | Min    | Ave    | Max      | Min    | Ave     | Max       | Min     | Ave     | Max     |         |  |  |
| Static Water Level    | Feet     |                     | 90.23  | 92.97  | 95.82    | 0.00   | 78.44   | 91.54     | 77.9    | 75.3    | 72.3    | 75.4    |  |  |
| Water Elevation       | Feet     |                     | 5867.1 | 5870.0 | 5872.7   | 5871.4 | 5884.5  | 5963.0    | 5885.06 | 5887.66 | 5890.66 | 5887.56 |  |  |
| FieldComment          |          |                     |        |        |          |        |         |           |         |         | Dry     |         |  |  |
| ph                    | su       |                     | 6.9    | 7.0    | 7.1      | 6.8    | 14.5    | 675.0     | 7.29    | 7.38    |         | 7.61    |  |  |
| Conductivity          | umhos/cm |                     | 3600   | 3600   | 3600     | 2400   | 3421    | 4560      | 3900    | 4260    |         | 4320    |  |  |
| Temperature           | Celsius  |                     | 11.2   | 12.8   | 14.4     | 7.6    | 13.6    | 15.8      | 13.6    | 14.7    |         | 13.9    |  |  |
| Lab Parameters        | UNITS    |                     |        |        |          |        |         |           |         |         |         |         |  |  |
| Bicarbonate           | mg/L     |                     | 851    | 976    | 1100     | 40     | 606     | 1080      |         |         |         |         |  |  |
| Carbonate             | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.83    | 10.76     |         |         |         |         |  |  |
| Chloride              | mg/L     |                     | 119    | 128    | 136      | 33.77  | 148.85  | 367.00    |         |         |         |         |  |  |
| Conductivity          | umhos/cm |                     | 2800   | 2975   | 3150     | 1817   | 3267    | 4580      |         |         |         |         |  |  |
| Hardness              | mg/L     |                     | 1280   | 1325   | 1370     | <MDL   | 1684    | 3354      |         |         |         |         |  |  |
| Nitrate-Nitrite       | mg/L     |                     | <MDL   | <MDL   | <MDL     | 0.03   | 3.00    | 10.20     |         |         |         |         |  |  |
| Ammonia               | mg/L     |                     | 1.66   | 1.90   | 2.13     | <MDL   | 0.36    | 2.00      |         |         |         |         |  |  |
| pH                    | su       |                     | 7.2    | 7.3    | 7.5      | 6.9    | 7.5     | 8.5       |         |         |         |         |  |  |
| Phosphate             | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.89    | 21.80     |         |         |         |         |  |  |
| ResidueFilterable-TDS | mg/L     |                     | 2390   | 2415   | 2440     | 1750   | 2774    | 4130      |         |         |         |         |  |  |
| Sulfate               | mg/L     |                     | 870    | 875    | 880      | 760    | 1300    | 2030      |         |         |         |         |  |  |
| Arsenic (Dissolved)   | mg/L     |                     | <MDL   | 0.001  | 0.001    | <MDL   | 0.976   | 28.900    |         |         |         |         |  |  |
| Cadmium (Dissolved)   | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.009   | 0.040     |         |         |         |         |  |  |
| Calcium (Dissolved)   | mg/L     |                     | 201    | 206    | 210      | 90.5   | 256.3   | 505.0     |         |         |         |         |  |  |
| Iron (Dissolved)      | mg/L     |                     | 0.19   | 0.33   | 0.46     | <MDL   | 0.53    | 8.22      |         |         |         |         |  |  |
| Iron (TREC)           | mg/L     |                     | 8.00   | 8.23   | 8.46     | 0.03   | 2.57    | 27.50     |         |         |         |         |  |  |
| Magnesium (Dissolved) | mg/L     |                     | 189    | 197    | 205      | 136    | 271     | 661       |         |         |         |         |  |  |
| Manganese (Dissolved) | mg/L     |                     | 0.10   | 0.11   | 0.13     | <MDL   | 0.144   | 1.280     |         |         |         |         |  |  |
| Manganese (TREC)      | mg/L     |                     | 0.12   | 0.12   | 0.12     | 0.008  | 3.732   | 111.000   |         |         |         |         |  |  |
| Mercury (Dissolved)   | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.00007 | 0.00035   |         |         |         |         |  |  |
| Selenium (Dissolved)  | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.017   | 0.134     |         |         |         |         |  |  |
| Sodium (Dissolved)    | mg/L     |                     | 421    | 433    | 445      | 105    | 235     | 682       |         |         |         |         |  |  |
| Zinc (Dissolved)      | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.02    | 0.10      |         |         |         |         |  |  |

Alluvial Wells AW-1 through AW-6 are located north of Old State Highway 133, near the entrance to the mine.

Plot of Conductivity and Water Level



**AW-4**  
**Alluvial Well**  
**Top of Pipe Elevation - 5977.2'**  
**Depth - 60'**  
**Pipe 1.12' Above Ground**

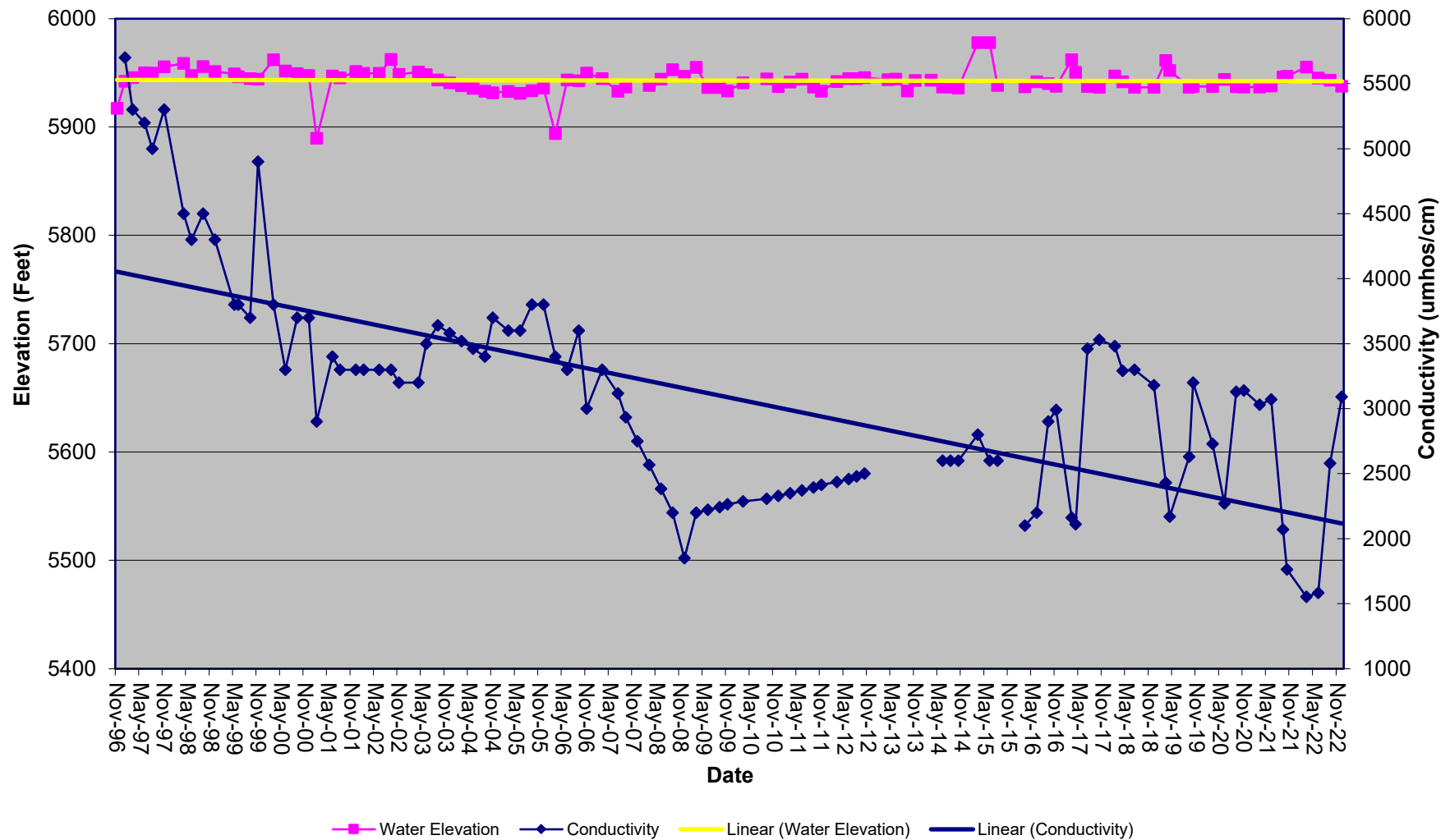
|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 11/23/1996 | 11/23/1996 | 11/23/1996 | 11/23/1996 |
| Activated | 3/27/1997  | 3/27/1997  | 3/27/1997  | 3/27/1997  |
| Date      | 12/1/2022  | 9/28/2022  | 6/6/2022   | 3/28/2022  |

| Field Parameters      |          | Summary Information |        |        | Baseline |        |         | Operation |         |         |         |         |  |
|-----------------------|----------|---------------------|--------|--------|----------|--------|---------|-----------|---------|---------|---------|---------|--|
|                       |          | UNITS               | Min    | Ave    | Max      | Min    | Ave     | Max       | Min     | Ave     | Max     |         |  |
| Static Water Level    | Feet     |                     | 32.42  | 42.94  | 60.78    | 15.54  | 35.28   | 88.38     | 40.2    | 34.7    | 32.7    | 22.6    |  |
| Water Elevation       | Feet     |                     | 5917.1 | 5935.0 | 5945.5   | 5889.5 | 5942.6  | 5962.4    | 5937.72 | 5943.22 | 5945.22 | 5955.32 |  |
| FieldComment          |          |                     |        |        |          |        |         |           |         |         |         |         |  |
| ph                    | su       |                     | 6.8    | 6.9    | 7.0      | 6.7    | 7.3     | 8.2       | 7.75    | 7.85    | 7.42    | 7.9     |  |
| Conductivity          | umhos/cm |                     | 5300   | 5500   | 5700     | 1553   | 3164    | 5300      | 3090    | 2580    | 1583    | 1553    |  |
| Temperature           | Celsius  |                     | 11.2   | 11.9   | 12.6     | 8.0    | 12.3    | 15.5      | 8.6     | 12.4    | 14.8    | 13.6    |  |
| Lab Parameters        | UNITS    |                     |        |        |          |        |         |           |         |         |         |         |  |
| Bicarbonate           | mg/L     |                     | 624    | 707    | 790      | 316.1  | 535.8   | 758.0     |         | 392     |         |         |  |
| Carbonate             | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.37    | 4.49      |         | <MDL    |         |         |  |
| Chloride              | mg/L     |                     | 57     | 60     | 63       | 31     | 133     | 227       |         | 44.2    |         |         |  |
| Conductivity          | umhos/cm |                     | 3880   | 4495   | 5110     | 1520   | 3302    | 9490      |         | 1520    |         |         |  |
| Hardness              | mg/L     |                     | 2650   | 2670   | 2690     | <MDL   | 1017    | 2730      |         | 487     |         |         |  |
| Nitrate-Nitrite       | mg/L     |                     | 0.10   | 0.21   | 0.32     | <MDL   | 0.56    | 6.75      |         | 0.051   |         |         |  |
| Ammonia               | mg/L     |                     | 0.09   | 0.22   | 0.34     | <MDL   | 0.63    | 6.60      |         | 0.098   |         |         |  |
| pH                    | su       |                     | 7.1    | 7.3    | 7.5      | 7.1    | 7.6     | 8.3       |         | 8.1     |         |         |  |
| Phosphate             | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.97    | 21.30     |         | 0.2     |         |         |  |
| ResidueFilterable-TDS | mg/L     |                     | 4830   | 5080   | 5330     | 1020   | 2663    | 4990      |         | 1020    |         |         |  |
| Sulfate               | mg/L     |                     | 2620   | 2920   | 3220     | 405    | 1263    | 2760      |         | 405     |         |         |  |
| Arsenic               | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.006   | 0.042     |         | <MDL    |         |         |  |
| Cadmium               | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.00469 | 0.03000   |         | <MDL    |         |         |  |
| Calcium               | mg/L     |                     | 465    | 481    | 496      | 19.8   | 211.0   | 496.0     |         | 213     |         |         |  |
| Iron (Dissolved)      | mg/L     |                     | <MDL   | 0.04   | 0.07     | <MDL   | 0.10    | 0.73      |         | <MDL    |         |         |  |
| Iron (TREC)           | mg/L     |                     | 0.10   | 0.14   | 0.17     | 0.07   | 2.72    | 69.20     |         | 0.227   |         |         |  |
| Magnesium (Dissolved) | mg/L     |                     | 353    | 357    | 361      | 71     | 166     | 362       |         | 351     |         |         |  |
| Manganese (Dissolved) | mg/L     |                     | 0.22   | 0.43   | 0.64     | <MDL   | 0.61    | 1.52      |         | <MDL    |         |         |  |
| Manganese (TREC)      | mg/L     |                     | 0.18   | 0.40   | 0.62     | 0.03   | 60.36   | 1270.00   |         | 0.034   |         |         |  |
| Mercury               | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.00006 | 0.00030   |         | <MDL    |         |         |  |
| Selenium              | mg/L     |                     | <MDL   | 0.0005 | 0.0010   | <MDL   | 0.0038  | 0.0354    |         | 0.0354  |         |         |  |
| Sodium                | mg/L     |                     | 590    | 646    | 702      | 199    | 372     | 684       |         | 400     |         |         |  |
| Zinc                  | mg/L     |                     | <MDL   | <MDL   | <MDL     | <MDL   | 0.02    | 0.07      |         | <MDL    |         |         |  |

\*Small bailer won't reach water, casing pinched

Alluvial Wells AW-1 through AW-6 are located north of Old State Highway 133, near the entrance to the mine.

Plot of Conductivity and Water Level



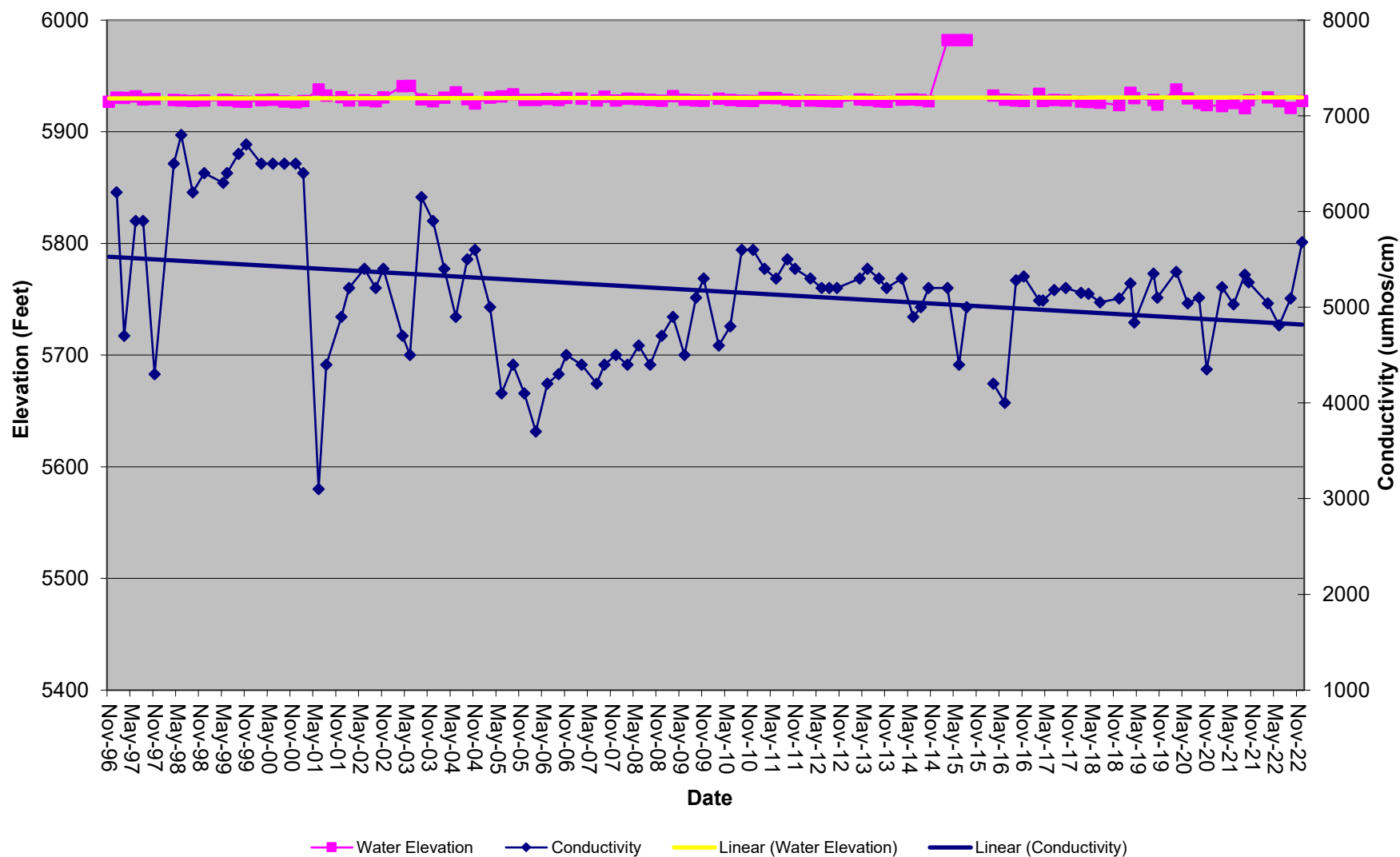
**AW-5 Alluvial Well**  
**Top of Pipe Elevation - 5982.14'**  
**Depth - 100'**  
**Pipe 1.14' Above Ground**

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 11/23/1996 | 11/23/1996 | 11/23/1996 | 11/23/1996 |
| Activated | 3/27/1997  | 3/27/1997  | 3/27/1997  | 3/27/1997  |
| Date      | 12/1/2022  | 9/28/2022  | 6/6/2022   | 3/28/2022  |

| Summary Information   |          |          |        |        |           |         |         |         |         |         |         |
|-----------------------|----------|----------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|
| Field Parameters      | UNITS    | Baseline |        |        | Operation |         |         |         |         |         |         |
|                       |          | Min      | Ave    | Max    | Min       | Ave     | Max     |         |         |         |         |
| Static Water Level    | Feet     | 51.65    | 52.95  | 55.26  | 41.03     | 53.19   | 61.10   | 54.5    | 60.8    | 54.9    | 51.3    |
| Water Elevation       | Feet     | 5926.9   | 5929.2 | 5930.5 | 5921.0    | 5928.9  | 5941.1  | 5927.64 | 5921.34 | 5927.24 | 5930.84 |
| FieldComment          |          |          |        |        |           |         |         |         |         |         |         |
| ph                    | su       | 7.1      | 7.2    | 7.3    | 6.6       | 7.5     | 51.8    | 7.6     | 7.5     | 7.1     | 7.6     |
| Conductivity          | umhos/cm | 4700     | 5450   | 6200   | 3100      | 5169    | 6800    | 5680    | 5090    | 4810    | 5040    |
| Temperature           | Celsius  | 12.8     | 13.7   | 14.6   | 7.1       | 14.2    | 16.9    | 13.3    | 13.8    | 15.9    | 14.4    |
| Lab Parameters        | UNITS    |          |        |        |           |         |         |         |         |         |         |
| Bicarbonate           | mg/L     | 566      | 658    | 750    | 99.05     | 745.16  | 1100.00 |         |         | 836     |         |
| Carbonate             | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.98    | 10.76   |         |         | <MDL    |         |
| Chloride              | mg/L     | 49       | 51     | 52     | 29.0      | 256.2   | 636.5   |         |         | 439     |         |
| Conductivity          | umhos/cm | 4270     | 4890   | 5510   | 378       | 5003    | 6650    |         |         | 4610    |         |
| Hardness              | mg/L     | 3330     | 3380   | 3430   | <MDL      | 2527    | 5318    |         |         | 1980    |         |
| Nitrate-Nitrite       | mg/L     | 34.4     | 35.2   | 36.0   | <MDL      | 14.40   | 46.70   |         |         | 5.88    |         |
| Ammonia               | mg/L     | 0.10     | 0.11   | 0.13   | <MDL      | 0.55    | 2.03    |         |         | <MDL    |         |
| pH                    | su       | 7.2      | 7.4    | 7.6    | 6.7       | 7.4     | 8.4     |         |         | 8.0     |         |
| Phosphate             | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.139   | 3.240   |         |         | 0.0682  |         |
| ResidueFilterable-TDS | mg/L     | 5390     | 5580   | 5770   | 3270      | 4721    | 6760    |         |         | 3640    |         |
| Sulfate               | mg/L     | 3140     | 3385   | 3630   | 977       | 2320    | 4550    |         |         | 1530    |         |
| Arsenic (Dissolved)   | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.067   | 0.552   |         |         | <MDL    |         |
| Cadmium (Dissolved)   | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.01470 | 0.0690  |         |         | <MDL    |         |
| Calcium (Dissolved)   | mg/L     | 291      | 298    | 305    | 27.6      | 254.1   | 451.0   |         |         | 301     |         |
| Iron (Dissolved)      | mg/L     | <MDL     | 0.03   | 0.06   | <MDL      | 0.038   | 0.106   |         |         | <MDL    |         |
| Iron (TREC)           | mg/L     | 0.10     | 0.11   | 0.12   | <MDL      | 9.11    | 385.00  |         |         | 0.487   |         |
| Magnesium (Dissolved) | mg/L     | 633      | 642    | 650    | 253       | 516     | 1158    |         |         | 388     |         |
| Manganese (Dissolved) | mg/L     | <MDL     | 0.01   | 0.02   | <MDL      | 0.011   | 0.044   |         |         | <MDL    |         |
| Manganese (TREC)      | mg/L     | 0.01     | 0.01   | 0.02   | <MDL      | 0.025   | 0.220   |         |         | 0.074   |         |
| Mercury (Dissolved)   | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.00005 | 0.00035 |         |         | <MDL    |         |
| Selenium (Dissolved)  | mg/L     | 0.03     | 0.03   | 0.03   | 0.002     | 0.031   | 0.250   |         |         | 0.0351  |         |
| Sodium (Dissolved)    | mg/L     | 523      | 531    | 539    | 204       | 427     | 825     |         |         | 593     |         |
| Zinc (Dissolved)      | mg/L     | <MDL     | 0.01   | 0.03   | <MDL      | 0.025   | 0.070   |         |         | <MDL    |         |

Alluvial Wells AW-1 through AW-6 are located north of Old State Highway 133, near the entrance to the mine.

Plot of Conductivity and Water Level





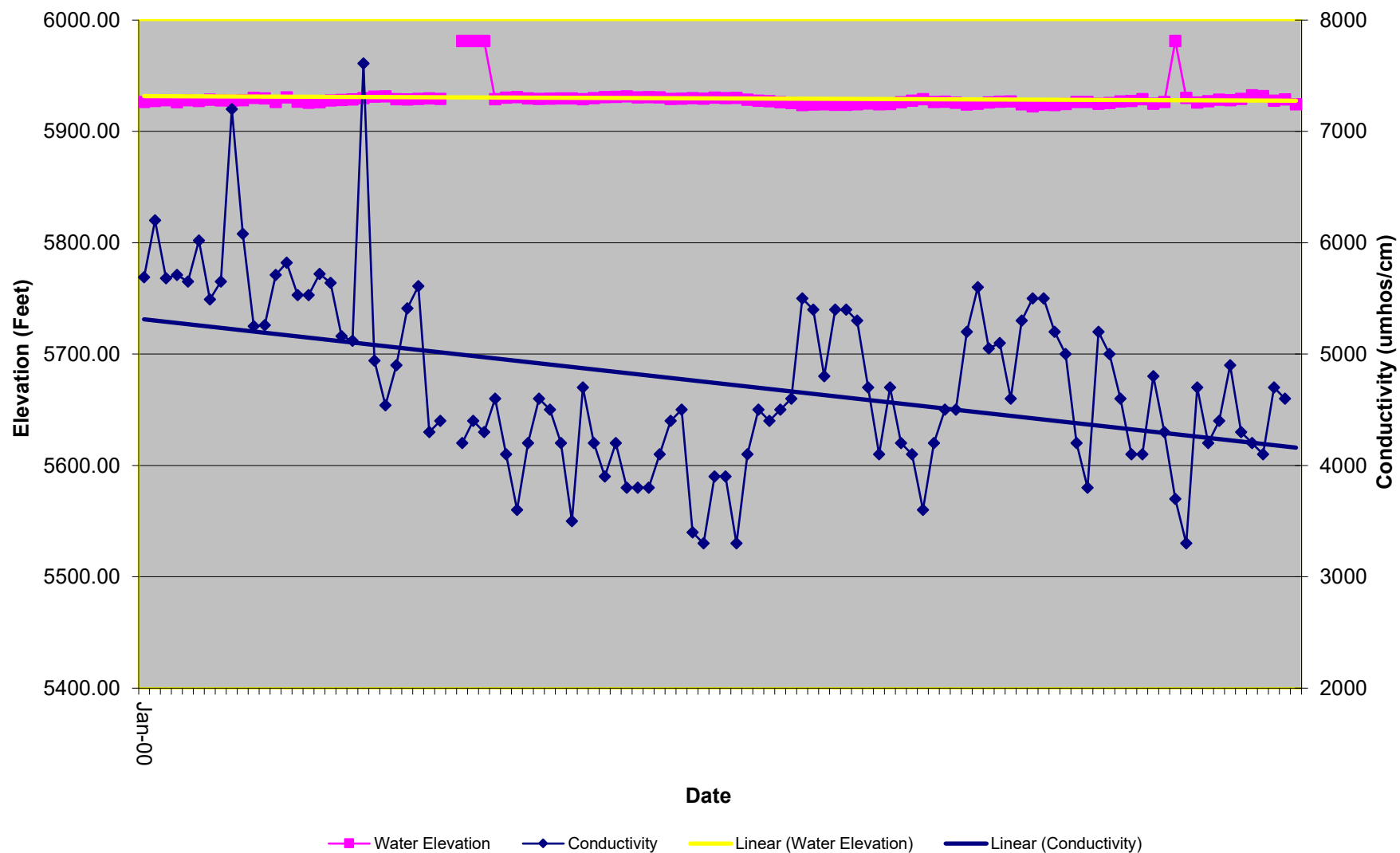
**AW-6**  
**Alluvial Well**  
**Top of Pipe Elevation - 5981.18'**  
**Depth - 112'**  
**Pipe 1.38' Above Ground**

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 11/23/1996 | 11/23/1996 | 11/23/1996 | 11/23/1996 |
| Activated | 3/27/1997  | 3/27/1997  | 3/27/1997  | 3/27/1997  |
| Date      | 12/1/2022  | 9/28/2022  | 6/6/2022   | 3/28/2022  |

| Field Parameters      | UNITS    | Summary Information |        |        | Baseline |         |         | Operation |         |         |         |  |  |
|-----------------------|----------|---------------------|--------|--------|----------|---------|---------|-----------|---------|---------|---------|--|--|
|                       |          | Min                 | Ave    | Max    | Min      | Ave     | Max     | Min       | Ave     | Max     |         |  |  |
| Static Water Level    | Feet     | 52.62               | 54.37  | 56.82  | 0.00     | 52.96   | 58.61   | 54.8      | 53.2    | 53.1    | 55.1    |  |  |
| Water Elevation       | Feet     | 5924.4              | 5926.8 | 5928.6 | 5922.6   | 5928.2  | 5981.2  | 5926.38   | 5927.98 | 5928.08 | 5926.08 |  |  |
| FieldComment          |          |                     |        |        |          |         |         |           |         |         |         |  |  |
| ph                    | su       | 7.3                 | 7.4    | 7.4    | 7.0      | 7.3     | 8.5     | 7.48      | 7.67    | 7.23    | 7.73    |  |  |
| Conductivity          | umhos/cm | 4600                | 4650   | 4700   | 3300     | 4742    | 7610    | 5690      | 6200    | 5680    | 5710    |  |  |
| Temperature           | Celsius  | 12.4                | 13.5   | 14.6   | 11.6     | 14.1    | 17.8    | 13.3      | 13.7    | 16.1    | 15.1    |  |  |
| Lab Parameters        | UNITS    |                     |        |        |          |         |         |           |         |         |         |  |  |
| Bicarbonate           | mg/L     | 278                 | 317    | 355    | 217.4    | 392.5   | 521.0   |           |         | 400     |         |  |  |
| Carbonate             | mg/L     | <MDL                | <MDL   | <MDL   | <MDL     | <MDL    | <MDL    |           |         | <MDL    |         |  |  |
| Chloride              | mg/L     | 107                 | 114    | 120    | 54.5     | 138.6   | 577.8   |           |         | <MDL    |         |  |  |
| Conductivity          | umhos/cm | 2580                | 3305   | 4030   | 3125     | 4537    | 7450    |           |         | 5490    |         |  |  |
| Hardness              | mg/L     | 1880                | 1925   | 1970   | <MDL     | 1809    | 4787    |           |         | 2350    |         |  |  |
| Nitrate-Nitrite       | mg/L     | 7.3                 | 8.1    | 8.8    | 0.0      | 5.0     | 9.0     |           |         | 4.2     |         |  |  |
| Ammonia               | mg/L     | 0.07                | 0.07   | 0.07   | <MDL     | 0.36    | 1.56    |           |         | <MDL    |         |  |  |
| pH                    | su       | 7.5                 | 7.6    | 7.7    | 7.0      | 7.6     | 8.3     |           |         | 8.0     |         |  |  |
| Phosphate             | mg/L     | <MDL                | <MDL   | <MDL   | <MDL     | 0.79    | 21.80   |           |         | 0.651   |         |  |  |
| ResidueFilterable-TDS | mg/L     | 3910                | 3995   | 4080   | 2440     | 4210    | 5770    |           |         | 5230    |         |  |  |
| Sulfate               | mg/L     | 2300                | 2300   | 2300   | 968      | 2920    | 33080   |           |         | 3140    |         |  |  |
| Arsenic (Dissolved)   | mg/L     | <MDL                | <MDL   | <MDL   | <MDL     | 0.093   | 0.650   |           |         | <MDL    |         |  |  |
| Cadmium (Dissolved)   | mg/L     | <MDL                | <MDL   | <MDL   | <MDL     | 0.011   | 0.040   |           |         | <MDL    |         |  |  |
| Calcium (Dissolved)   | mg/L     | 248                 | 254    | 260    | 37       | 235     | 327     |           |         | 301     |         |  |  |
| Iron (Dissolved)      | mg/L     | <MDL                | 0.14   | 0.27   | <MDL     | 0.06    | 0.26    |           |         | <MDL    |         |  |  |
| Iron (TREC)           | mg/L     | 0.26                | 0.31   | 0.37   | 0.06     | 0.50    | 4.74    |           |         | 0.487   |         |  |  |
| Magnesium (Dissolved) | mg/L     | 307                 | 315    | 322    | 0.0      | 316.6   | 1015.6  |           |         | 388     |         |  |  |
| Manganese (Dissolved) | mg/L     | 0.07                | 0.18   | 0.29   | <MDL     | 0.514   | 15.500  |           |         | <MDL    |         |  |  |
| Manganese (TREC)      | mg/L     | 0.11                | 0.20   | 0.29   | <MDL     | 0.102   | 0.350   |           |         | 0.074   |         |  |  |
| Mercury (Dissolved)   | mg/L     | <MDL                | <MDL   | <MDL   | <MDL     | 0.00008 | 0.00070 |           |         | <MDL    |         |  |  |
| Selenium (Dissolved)  | mg/L     | 0.05                | 0.06   | 0.06   | 0.001    | 0.067   | 0.380   |           |         | 0.0351  |         |  |  |
| Sodium (Dissolved)    | mg/L     | 501                 | 514    | 526    | 306.9    | 538.7   | 965.0   |           |         | 593     |         |  |  |
| Zinc (Dissolved)      | mg/L     | <MDL                | 0.05   | 0.11   | <MDL     | 0.02    | 0.07    |           |         | <MDL    |         |  |  |

Alluvial Wells AW-1 through AW-6 are located north of Old State Highway 133, near the entrance to the mine.

Plot of Conductivity and Water Level



**AW-7**  
**Alluvial Well**  
**Top of Pipe Elevation - 5950'**  
**Depth - 188'**  
**Pipe 2.17' Above Ground**

|           |           |           |          |           |
|-----------|-----------|-----------|----------|-----------|
| Initiated | 9/9/1999  | 9/9/1999  | 9/9/1999 | 9/9/1999  |
| Activated | 9/9/1999  | 9/9/1999  | 9/9/1999 | 9/9/1999  |
| Date      | 12/1/2022 | 9/28/2022 | 6/6/2022 | 3/28/2022 |

| Summary Information   |          |          |     |     |           |         |         |        |        |        |        |  |
|-----------------------|----------|----------|-----|-----|-----------|---------|---------|--------|--------|--------|--------|--|
| Field Parameters      | UNITS    | Baseline |     |     | Operation |         |         |        |        |        |        |  |
|                       |          | Min      | Ave | Max | Min       | Ave     | Max     |        |        |        |        |  |
| Static Water Level    | Feet     |          |     |     | 50.59     | 76.80   | 107.80  | 99.1   | 84.4   | 65.6   | 87.2   |  |
| Water Elevation       | Feet     |          |     |     | 5842.2    | 5873.2  | 5899.4  | 5850.9 | 5865.6 | 5884.4 | 5862.8 |  |
| FieldComment          |          |          |     |     |           |         |         |        |        |        |        |  |
| ph                    | su       |          |     |     | 7.1       | 7.8     | 8.5     | 8.21   | 8.05   | 7.67   | 8.24   |  |
| Conductivity          | umhos/cm |          |     |     | 300       | 1958    | 3100    | 2480   | 1901   | 1899   | 1933   |  |
| Temperature           | Celsius  |          |     |     | 10.3      | 12.4    | 14.7    | 11.8   | 14.2   | 14.7   | 13.2   |  |
| Lab Parameters        | UNITS    |          |     |     |           |         |         |        |        |        |        |  |
| Bicarbonate           | mg/L     |          |     |     | <MDL      | 346.6   | 511.2   |        |        | 359    |        |  |
| Carbonate             | mg/L     |          |     |     | <MDL      | 36.9    | 341.5   |        |        | 8.9    |        |  |
| Chloride              | mg/L     |          |     |     | 13.0      | 131.7   | 539.0   |        |        | 76.7   |        |  |
| Conductivity          | umhos/cm |          |     |     | 359       | 1957    | 3645    |        |        | 1840   |        |  |
| Hardness              | mg/L     |          |     |     | <MDL      | 453.09  | 1093.20 |        |        | 327    |        |  |
| Nitrate-Nitrite       | mg/L     |          |     |     | <MDL      | 1.49    | 7.92    |        |        | 0.831  |        |  |
| Ammonia               | mg/L     |          |     |     | <MDL      | 0.199   | 1.200   |        |        | <MDL   |        |  |
| pH                    | su       |          |     |     | 7.1       | 7.9     | 8.6     |        |        | 8.3    |        |  |
| Phosphate             | mg/L     |          |     |     | <MDL      | 0.05    | 0.31    |        |        | 0.0806 |        |  |
| ResidueFilterable-TDS | mg/L     |          |     |     | 200       | 1414    | 2254    |        |        | 1210   |        |  |
| Sulfate               | mg/L     |          |     |     | 40.00     | 588.18  | 1110.00 |        |        | 518    |        |  |
| Arsenic (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.033   | 0.255   |        |        | <MDL   |        |  |
| Cadmium (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.007   | 0.023   |        |        | <MDL   |        |  |
| Calcium (Dissolved)   | mg/L     |          |     |     | 12.8      | 95.1    | 687.0   |        |        | 50.6   |        |  |
| Iron (Dissolved)      | mg/L     |          |     |     | <MDL      | 0.04    | 0.28    |        |        | <MDL   |        |  |
| Iron (TREC)           | mg/L     |          |     |     | <MDL      | 0.28    | 1.01    |        |        | 0.157  |        |  |
| Magnesium (Dissolved) | mg/L     |          |     |     | 6.3       | 83.4    | 619.0   |        |        | 48.7   |        |  |
| Manganese (Dissolved) | mg/L     |          |     |     | <MDL      | 0.013   | 0.060   |        |        | 0.013  |        |  |
| Manganese (TREC)      | mg/L     |          |     |     | <MDL      | 0.358   | 4.740   |        |        | 0.044  |        |  |
| Mercury (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.00006 | 0.00031 |        |        | <MDL   |        |  |
| Selenium (Dissolved)  | mg/L     |          |     |     | <MDL      | 0.065   | 1.500   |        |        | 0.0053 |        |  |
| Sodium (Dissolved)    | mg/L     |          |     |     | 46.7      | 349.3   | 1705.0  |        |        | 288    |        |  |
| Zinc (Dissolved)      | mg/L     |          |     |     | <MDL      | 0.020   | 0.040   |        |        | <MDL   |        |  |

The area of concern for monitoring point AW-7 was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered Operational.

Alluvial Wells AW-7 through AW-9 are located south of Old State Highway 133, near the entrance to the mine. They were installed in 1999 as the result of PR-03.

\*\* Lab. data not provided

**AW-8**  
**Alluvial Well**  
**Top of Pipe Elevation - 5950'**  
**Depth - 60'**  
**Pipe 1.97' Above Ground**

|           |           |           |          |           |
|-----------|-----------|-----------|----------|-----------|
| Initiated | 9/9/1999  | 9/9/1999  | 9/9/1999 | 9/9/1999  |
| Activated | 9/9/1999  | 9/9/1999  | 9/9/1999 | 9/9/1999  |
| Date      | 12/1/2022 | 9/28/2022 | 6/6/2022 | 3/28/2022 |

| Summary Information     |          |          |     |     |           |        |        |        |        |        |        |  |
|-------------------------|----------|----------|-----|-----|-----------|--------|--------|--------|--------|--------|--------|--|
| Field Parameters        | UNITS    | Baseline |     |     | Operation |        |        |        |        |        |        |  |
|                         |          | Min      | Ave | Max | Min       | Ave    | Max    |        |        |        |        |  |
| Static Water Level      | Feet     |          |     |     | 11.84     | 20.44  | 73.23  | 19.8   | 19.8   | 19.8   | 19.8   |  |
| Water Elevation         | Feet     |          |     |     | 5876.8    | 5929.6 | 5938.2 | 5930.2 | 5930.2 | 5930.2 | 5930.2 |  |
| FieldComment            |          |          |     |     |           |        |        | Dry    | Dry    | Dry    | Dry    |  |
| ph                      | su       |          |     |     | 8.2       | 9.0    | 9.8    |        |        |        |        |  |
| Conductivity            | umhos/cm |          |     |     | 260       | 360    | 460    |        |        |        |        |  |
| Temperature             | Celsius  |          |     |     | 13.2      | 13.9   | 14.7   |        |        |        |        |  |
| Lab Parameters          | UNITS    |          |     |     |           |        |        |        |        |        |        |  |
| Bicarbonate             | mg/L     |          |     |     | <MDL      | 444.0  | 444.0  |        |        |        |        |  |
| Carbonate               | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Chloride                | mg/L     |          |     |     | <MDL      | 213.0  | 213.0  |        |        |        |        |  |
| Conductivity            | umhos/cm |          |     |     | <MDL      | 2020.0 | 2020.0 |        |        |        |        |  |
| Hardness                | mg/L     |          |     |     | <MDL      | 448.0  | 448.0  |        |        |        |        |  |
| Nitrate-Nitrite         | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Ammonia                 | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| pH                      | su       |          |     |     | <MDL      | 7.9    | 7.9    |        |        |        |        |  |
| Phosphate               | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| ResidueFilterable (TDS) | mg/L     |          |     |     | <MDL      | 1580.0 | 1580.0 |        |        |        |        |  |
| Sulfate                 | mg/L     |          |     |     | <MDL      | 638.0  | 638.0  |        |        |        |        |  |
| Arsenic                 | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Cadmium                 | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Calcium                 | mg/L     |          |     |     | <MDL      | 710.0  | 710.0  |        |        |        |        |  |
| Iron (Dissolved)        | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Iron (TREC)             | mg/L     |          |     |     | <MDL      | 0.1    | 0.1    |        |        |        |        |  |
| Magnesium               | mg/L     |          |     |     | <MDL      | 65.8   | 65.8   |        |        |        |        |  |
| Manganese (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Manganese (Total)       | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Mercury                 | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Selenium                | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |
| Sodium                  | mg/L     |          |     |     | <MDL      | 367.0  | 367.0  |        |        |        |        |  |
| Zinc                    | mg/L     |          |     |     | <MDL      | 0.0    | 0.0    |        |        |        |        |  |

The area of concern for monitoring point AW-8 was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered Operational.

Alluvial Wells AW-7 through AW-9 are located south of Old State Highway 133, near the entrance to the mine. They were installed in 1999 as the result of PR-03.

\* Lab. data not provided

**AW-9**  
**Alluvial Well**  
**Top of Pipe Elevation - 5946**  
**Depth - 80'**  
**Pipe 1.15' Above Ground**

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 10/1/1999 | 10/1/1999 | 10/1/1999 | 10/1/1999 |
| Activated | 10/1/1999 | 10/1/1999 | 10/1/1999 | 10/1/1999 |
| Date      | 12/1/2022 | 9/28/2022 | 6/6/2022  | 3/28/2022 |

| Summary Information   |          |          |     |     |           |         |         |      |        |         |        |  |
|-----------------------|----------|----------|-----|-----|-----------|---------|---------|------|--------|---------|--------|--|
| Field Parameters      | UNITS    | Baseline |     |     | Operation |         |         |      |        |         |        |  |
|                       |          | Min      | Ave | Max | Min       | Ave     | Max     |      |        |         |        |  |
| Static Water Level    | Feet     |          |     |     | 32.42     | 55.86   | 81.60   | 80   | 69.9   | 42.4    | 60.7   |  |
| Water Elevation       | Feet     |          |     |     | 51.1      | 5826.8  | 5913.6  | 5866 | 5876.1 | 5903.6  | 5885.3 |  |
| FieldComment          |          |          |     |     |           |         |         | Dry  |        |         |        |  |
| ph                    | su       |          |     |     | 7.0       | 7.8     | 8.6     |      | 8.13   | 7.89    | 8.33   |  |
| Conductivity          | umhos/cm |          |     |     | 260       | 1649    | 4400    |      | 987    | 805     | 1319   |  |
| Temperature           | Celsius  |          |     |     | 7.6       | 11.7    | 14.9    |      | 13.9   | 14.7    | 12.5   |  |
| Lab Parameters        | UNITS    |          |     |     |           |         |         |      |        |         |        |  |
| Bicarbonate           | mg/L     |          |     |     | 39.6      | 296.6   | 479.0   |      |        | 248     |        |  |
| Carbonate             | mg/L     |          |     |     | <MDL      | 7.23    | 13.70   |      |        | 11.4    |        |  |
| Chloride              | mg/L     |          |     |     | 3.0       | 121.3   | 544.5   |      |        | 10.3    |        |  |
| Conductivity          | umhos/cm |          |     |     | 519       | 1664    | 4350    |      |        | 760     |        |  |
| Hardness              | mg/L     |          |     |     | <MDL      | 464.6   | 1530.0  |      |        | 161     |        |  |
| Nitrate-Nitrite       | mg/L     |          |     |     | <MDL      | 1.86    | 7.92    |      |        | 0.343   |        |  |
| Ammonia               | mg/L     |          |     |     | <MDL      | 0.16    | 1.10    |      |        | <MDL    |        |  |
| pH                    | su       |          |     |     | 7.4       | 7.9     | 8.5     |      |        | 8.4     |        |  |
| Phosphate             | mg/L     |          |     |     | <MDL      | 1.50    | 21.60   |      |        | 0.0744  |        |  |
| ResidueFilterable-TDS | mg/L     |          |     |     | 330       | 1188    | 3800    |      |        | 464     |        |  |
| Sulfate               | mg/L     |          |     |     | 21.8      | 446.5   | 2100.0  |      |        | 130     |        |  |
| Arsenic (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.0419  | 0.2880  |      |        | <MDL    |        |  |
| Cadmium (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.00640 | 0.0220  |      |        | <MDL    |        |  |
| Calcium (Dissolved)   | mg/L     |          |     |     | 24.1      | 66.7    | 230.0   |      |        | 26.4    |        |  |
| Iron (Dissolved)      | mg/L     |          |     |     | <MDL      | 0.19    | 3.59    |      |        | <MDL    |        |  |
| Iron (TREC)           | mg/L     |          |     |     | <MDL      | 4.27    | 122.00  |      |        | 0.172   |        |  |
| Magnesium (Dissolved) | mg/L     |          |     |     | 20.7      | 75.7    | 280.0   |      |        | 23.2    |        |  |
| Manganese (Dissolved) | mg/L     |          |     |     | <MDL      | 0.018   | 0.155   |      |        | <MDL    |        |  |
| Manganese (TREC)      | mg/L     |          |     |     | <MDL      | 0.453   | 11.400  |      |        | <MDL    |        |  |
| Mercury (Dissolved)   | mg/L     |          |     |     | <MDL      | 0.00007 | 0.00036 |      |        | <MDL    |        |  |
| Selenium (Dissolved)  | mg/L     |          |     |     | <MDL      | 0.116   | 3.100   |      |        | 0.00311 |        |  |
| Sodium (Dissolved)    | mg/L     |          |     |     | 22.1      | 296.8   | 1998.0  |      |        | 108     |        |  |
| Zinc (Dissolved)      | mg/L     |          |     |     | <MDL      | 0.02    | 0.11    |      |        | <MDL    |        |  |

The area of concern for monitoring point AW-9 was affected by the mining operation before its establishment. Therefore, all recorded monitoring events are considered Operational.

Alluvial Wells AW-7 through AW-9 are located south of Old State Highway 133, near the entrance to the mine. They were installed in 1999 as the result of PR-03.

\*\* Lab. data not provided

AW-11  
Alluvial Well  
Elevation - 5884  
Depth - 60.86'

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 12/20/2000 | 12/20/2000 | 12/20/2000 | 12/20/2000 |
| Activated | 2/28/2002  | 2/28/2002  | 2/28/2002  | 2/28/2002  |
| Date      | 12/1/2022  | 9/28/2022  | 6/6/2022   | 3/28/2022  |

| Summary Information   |          |          |        |        |           |         |         |        |        |        |        |  |
|-----------------------|----------|----------|--------|--------|-----------|---------|---------|--------|--------|--------|--------|--|
| Field Parameters      | UNITS    | Baseline |        |        | Operation |         |         |        |        |        |        |  |
|                       |          | Min      | Ave    | Max    | Min       | Ave     | Max     |        |        |        |        |  |
| Static Water Level    | Feet     | 11.92    | 38.20  | 50.31  | 19.13     | 43.89   | 57.60   | 53.1   | 40.7   | 33.6   | 52.3   |  |
| Water Elevation       | Feet     | 5833.7   | 5845.8 | 5872.1 | 5826.4    | 5840.1  | 5864.9  | 5830.9 | 5843.3 | 5850.4 | 5831.7 |  |
| FieldComment          |          |          |        |        |           |         |         |        |        |        |        |  |
| ph                    | su       | 6.7      | 7.3    | 7.5    | 6.9       | 25.9    | 1453.0  | 7.65   | 7.92   | 7.38   | 1453   |  |
| Conductivity          | umhos/cm | 390      | 760    | 1060   | 480       | 1087    | 1719    | 1190   | 1337   | 1482   | 1453   |  |
| Temperature           | Celsius  | 11.2     | 13.4   | 15.7   | 7.5       | 12.8    | 16.1    | 10.6   | 14.7   | 15.1   | 13.6   |  |
| Lab Parameters        | UNITS    |          |        |        |           |         |         |        |        |        |        |  |
| Bicarbonate           | mg/L     | 350      | 367    | 384    | 177.3     | 314.8   | 536.0   |        |        | 455    |        |  |
| Carbonate             | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 5.02    | 6.88    |        |        | <MDL   |        |  |
| Chloride              | mg/L     | 2        | 3      | 3      | <MDL      | 38.4    | 255.2   |        |        | 38.2   |        |  |
| Conductivity          | umhos/cm | 671      | 850    | 1030   | 661       | 1105    | 2870    |        |        | 1420   |        |  |
| Hardness              | mg/L     | 587      | 587    | 587    | 265.0     | 538.3   | 911.7   |        |        | 649    |        |  |
| Nitrate-Nitrite       | mg/L     | 0.10     | 0.28   | 0.56   | <MDL      | 0.66    | 2.70    |        |        | 1      |        |  |
| Ammonia               | mg/L     | <MDL     | 0.05   | 0.08   | <MDL      | 0.12    | 0.43    |        |        | <MDL   |        |  |
| pH                    | su       | 7.2      | 7.5    | 7.8    | 7.1       | 7.8     | 8.5     |        |        | 8.1    |        |  |
| Phosphate             | mg/L     | <MDL     | 0.14   | 0.39   | <MDL      | 1.15    | 20.60   |        |        | 0.0527 |        |  |
| ResidueFilterable-TDS | mg/L     | 360      | 553    | 690    | 350       | 759     | 2150    |        |        | 960    |        |  |
| Sulfate               | mg/L     | 20       | 150    | 250    | 4.94      | 216.90  | 510.00  |        |        | 325    |        |  |
| Arsenic (Dissolved)   | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.022   | 0.280   |        |        | <MDL   |        |  |
| Cadmium (Dissolved)   | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.010   | 0.030   |        |        | <MDL   |        |  |
| Calcium (Dissolved)   | mg/L     | 70.6     | 92.9   | 110.0  | 30.8      | 128.4   | 765.0   |        |        | 123    |        |  |
| Iron (Dissolved)      | mg/L     | 0.02     | 0.04   | 0.05   | <MDL      | 0.19    | 2.46    |        |        | <MDL   |        |  |
| Iron (TREC)           | mg/L     | 0.07     | 4.93   | 9.97   | <MDL      | 2.44    | 24.30   |        |        | 0.904  |        |  |
| Magnesium (Dissolved) | mg/L     | 46.2     | 64.6   | 75.8   | 37.5      | 109.8   | 748.0   |        |        | 82.9   |        |  |
| Manganese (Dissolved) | mg/L     | <MDL     | 0.02   | 0.03   | <MDL      | 0.403   | 5.400   |        |        | <MDL   |        |  |
| Manganese (TREC)      | mg/L     | <MDL     | 0.34   | 0.57   | <MDL      | 0.363   | 2.540   |        |        | 0.026  |        |  |
| Mercury (Dissolved)   | mg/L     | <MDL     | <MDL   | <MDL   | <MDL      | 0.00008 | 0.00027 |        |        | <MDL   |        |  |
| Selenium (Dissolved)  | mg/L     | <MDL     | 0.001  | 0.002  | <MDL      | 0.011   | 0.116   |        |        | 0.0144 |        |  |
| Sodium (Dissolved)    | mg/L     | 12.70    | 19.37  | 22.9   | 11.0      | 45.4    | 125.0   |        |        | 75.2   |        |  |
| Zinc (Dissolved)      | mg/L     | <MDL     | 0.01   | 0.02   | <MDL      | 0.02    | 0.07    |        |        | <MDL   |        |  |

\* Could not access site

Alluvial Wells AW-11 through AW-13 are located north of the Union Pacific Railroad. They were installed in 2000 to develop baseline data for a new train loadout.

Baseline Information for AW-11 is derived from events beginning on 12/20/00 through 2/28/02.  
Point influenced by mining on 2/28/02.

AW-12  
Alluvial Well  
Elevation - 5878  
Depth - 45.38'

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 12/20/2000 | 12/20/2000 | 12/20/2000 | 12/20/2000 |
| Activated | 2/28/2002  | 2/28/2002  | 2/28/2002  | 2/28/2002  |
| Date      | 12/1/2022  | 9/28/2022  | 6/6/2022   | 3/28/2022  |

| Field Parameters      |          | Summary Information |          |        |        |           |         |         |        |        |         |        |
|-----------------------|----------|---------------------|----------|--------|--------|-----------|---------|---------|--------|--------|---------|--------|
|                       |          | UNITS               | Baseline |        |        | Operation |         |         |        |        |         |        |
|                       |          |                     | Min      | Ave    | Max    | Min       | Ave     | Max     |        |        |         |        |
| Static Water Level    | Feet     |                     | 6.49     | 26.717 | 37.03  | 5.31      | 25.76   | 62.10   | 39.5   | 15.7   | 9.7     | 38.8   |
| Water Elevation       | Feet     |                     | 5841.0   | 5851.3 | 5871.5 | 5815.9    | 5852.2  | 5872.7  | 5838.5 | 5862.3 | 5868.3  | 5839.2 |
| FieldComment          |          |                     |          |        |        |           |         |         |        |        |         |        |
| ph                    | su       |                     | 7.1      | 7.5    | 7.7    | 6.7       | 7.5     | 8.1     | 7.5    | 7.9    | 7.5     | 7.9    |
| Conductivity          | umhos/cm |                     | 490      | 567    | 610    | 485       | 688     | 1640    | 695.0  | 638.0  | 687.0   | 712.0  |
| Temperature           | Celsius  |                     | 10.4     | 13.0   | 16.1   | 7.6       | 13.0    | 16.3    | 10.7   | 15.0   | 15.0    | 14.2   |
| Lab Parameters        | UNITS    |                     |          |        |        |           |         |         |        |        |         |        |
| Bicarbonate           | mg/L     |                     | 297      | 336.33 | 371    | 265.95    | 368.56  | 471.43  |        |        | 339     |        |
| Carbonate             | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 5.69    | 8.99    |        |        | <MDL    |        |
| Chloride              | mg/L     |                     | 2        | 2      | 2      | <MDL      | 12.9    | 119.0   |        |        | 2.43    |        |
| Conductivity          | umhos/cm |                     | 548      | 571    | 609    | 473       | 757     | 3170    |        |        | 647     |        |
| Hardness              | mg/L     |                     | 318      | 318    | 318    | 237.0     | 356.8   | 674.3   |        |        | 306     |        |
| Nitrate-Nitrite       | mg/L     |                     | 0.45     | 0.4733 | 0.51   | <MDL      | 0.70    | 2.15    |        |        | 0.687   |        |
| Ammonia               | mg/L     |                     | <MDL     | 0.09   | 0.27   | <MDL      | 0.12    | 0.52    |        |        | <MDL    |        |
| pH                    | su       |                     | 7.4      | 7.6333 | 7.9    | 7.1       | 7.8     | 8.5     |        |        | 8.2     |        |
| Phosphate             | mg/L     |                     | <MDL     | 0.0167 | 0.05   | <MDL      | 0.17    | 1.04    |        |        | 0.0806  |        |
| ResidueFilterable-TDS | mg/L     |                     | 310      | 330    | 340    | 221       | 470     | 2450    |        |        | 376     |        |
| Sulfate               | mg/L     |                     | 10       | 13.333 | 20     | <MDL      | 20.4    | 42.4    |        |        | 15.9    |        |
| Arsenic (Dissolved)   | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.011   | 0.140   |        |        | <MDL    |        |
| Cadmium (Dissolved)   | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.011   | 0.040   |        |        | <MDL    |        |
| Calcium (Dissolved)   | mg/L     |                     | 51.9     | 54.8   | 57.4   | 3.8       | 163.1   | 677.0   |        |        | 71.1    |        |
| Iron (Dissolved)      | mg/L     |                     | 0.02     | 8.3167 | 24.9   | <MDL      | 0.61    | 10.28   |        |        | 0.07    |        |
| Iron (TREC)           | mg/L     |                     | 0.05     | 42.55  | 83.7   | <MDL      | 27.23   | 806.00  |        |        | 0.536   |        |
| Magnesium (Dissolved) | mg/L     |                     | <MDL     | 25.433 | 42.4   | <MDL      | 77.8    | 368.0   |        |        | 31.3    |        |
| Manganese (Dissolved) | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.075   | 0.621   |        |        | <MDL    |        |
| Manganese (TREC)      | mg/L     |                     | <MDL     | 0.864  | 2.050  | <MDL      | 4.335   | 119.000 |        |        | 0.013   |        |
| Mercury (Dissolved)   | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.00008 | 0.00028 |        |        | <MDL    |        |
| Selenium (Dissolved)  | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.006   | 0.060   |        |        | 0.00055 |        |
| Sodium (Dissolved)    | mg/L     |                     | 19.5     | 20.633 | 21.2   | 13.8      | 43.6    | 202.0   |        |        | 15.7    |        |
| Zinc (Dissolved)      | mg/L     |                     | <MDL     | 0.0033 | 0.01   | <MDL      | 0.02    | 0.08    |        |        | <MDL    |        |

\* Could not access site

\*\* Not enough water for sample/parameters

Alluvial Wells AW-11 through AW-13 are located north of the Union Pacific Railroad. They were installed in 2000 to develop baseline data for a new train loadout.

Baseline Information for AW-12 is derived from events beginning on 12/20/00 through 2/28/02.  
Point influenced by mining on 2/28/02.

AW-14  
Alluvial Well  
Depth - 30'  
Elevation - 5822  
Pipe 0.78' Above Ground

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| Initiated | 7/24/2003 | 7/24/2003 | 7/24/2003 | 7/24/2003 |
| Activated | 7/24/2003 | 7/24/2003 | 7/24/2003 | 7/24/2003 |
| Date      | 12/1/2022 | 9/28/2022 | 6/7/2022  | 3/28/2022 |

| Field Parameters      |          | Summary Information |          |     |     |           |         |         |        |        |         |        |
|-----------------------|----------|---------------------|----------|-----|-----|-----------|---------|---------|--------|--------|---------|--------|
|                       |          | UNITS               | Baseline |     |     | Operation |         |         |        |        |         |        |
|                       |          |                     | Min      | Ave | Max | Min       | Ave     | Max     |        |        |         |        |
| Static Water Level    | Feet     |                     |          |     |     | 4.98      | 7.62    | 12.10   | 8.6    | 7.7    | 5.8     | 5.5    |
| Water Elevation       | Feet     |                     |          |     |     | 5809.9    | 5814.4  | 5817.0  | 5813.4 | 5814.3 | 5816.2  | 5816.5 |
| FieldComment          |          |                     |          |     |     |           |         |         |        |        |         |        |
| ph                    | su       |                     |          |     |     | 6.8       | 7.5     | 8.1     |        | 7.68   | 7.4     | 8      |
| Conductivity          | umhos/cm |                     |          |     |     | 2         | 1684    | 2790    |        | 1387   | 1802    | 2790   |
| Temperature           | Celsius  |                     |          |     |     | 7.6       | 12.2    | 15.7    |        | 15.5   | 13      | 14.7   |
| Lab Parameters        | UNITS    |                     |          |     |     |           |         |         |        |        |         |        |
| Bicarbonate           | mg/L     |                     |          |     |     | 238.2     | 379.3   | 552.3   |        |        | 432     |        |
| Carbonate             | mg/L     |                     |          |     |     | <MDL      | 12.4    | 20.0    |        |        | <MDL    |        |
| Chloride              | mg/L     |                     |          |     |     | 2.0       | 140.5   | 397.0   |        |        | <MDL    |        |
| Conductivity          | umhos/cm |                     |          |     |     | 650       | 1627    | 2860    |        |        | 1730    |        |
| Hardness              | mg/L     |                     |          |     |     | 237.0     | 809.0   | 1770.2  |        |        | 729     |        |
| Nitrate-Nitrite       | mg/L     |                     |          |     |     | <MDL      | 0.7     | 2.7     |        |        | 0.131   |        |
| Ammonia               | mg/L     |                     |          |     |     | <MDL      | 0.66    | 7.61    |        |        | <MDL    |        |
| pH                    | su       |                     |          |     |     | 6.9       | 7.6     | 8.5     |        |        | 8.1     |        |
| Phosphate             | mg/L     |                     |          |     |     | <MDL      | 1.16    | 20.40   |        |        | 0.011   |        |
| ResidueFilterable-TDS | mg/L     |                     |          |     |     | 610       | 1226    | 1950    |        |        | 1190    |        |
| Sulfate               | mg/L     |                     |          |     |     | 67.6      | 403.5   | 677.0   |        |        | 348     |        |
| Arsenic (Dissolved)   | mg/L     |                     |          |     |     | 0.0002    | 0.041   | 0.922   |        |        | 0.00034 |        |
| Cadmium (Dissolved)   | mg/L     |                     |          |     |     | <MDL      | 0.010   | 0.030   |        |        | <MDL    |        |
| Calcium (Dissolved)   | mg/L     |                     |          |     |     | 41.6      | 130.4   | 241.0   |        |        | 130     |        |
| Iron (Dissolved)      | mg/L     |                     |          |     |     | <MDL      | 0.86    | 7.80    |        |        | 0.287   |        |
| Iron (TREC)           | mg/L     |                     |          |     |     | 0.27      | 9.46    | 28.10   |        |        | 12.2    |        |
| Magnesium-Dissolved   | mg/L     |                     |          |     |     | 7.7       | 143.2   | 914.0   |        |        | 98.3    |        |
| Manganese-Dissolved   | mg/L     |                     |          |     |     | 0.004     | 0.517   | 2.160   |        |        | 0.051   |        |
| Manganese (TREC)      | mg/L     |                     |          |     |     | 0.004     | 1.733   | 6.780   |        |        | 2.94    |        |
| Mercury (Dissolved)   | mg/L     |                     |          |     |     | <MDL      | 0.00010 | 0.00052 |        |        | <MDL    |        |
| Selenium (Dissolved)  | mg/L     |                     |          |     |     | <MDL      | 0.019   | 0.116   |        |        | 0.00319 |        |
| Sodium (Dissolved)    | mg/L     |                     |          |     |     | 40.7      | 134.8   | 991.0   |        |        | 112     |        |
| Zinc (Dissolved)      | mg/L     |                     |          |     |     | <MDL      | 0.07    | 0.99    |        |        | <MDL    |        |

The area of concern for monitoring point AW-14 was affected by the mining operation before its establishment. Therefore all recorded monitoring events are considered operational.

\* Dry

Alluvial Well AW-14 is located southwest of Pond K.



AW-15  
Alluvial Well  
Top of Pipe Elevation - 5972.52  
Depth - 86  
Pipe 0.3' Above Ground

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 12/29/2003 | 12/29/2003 | 12/29/2003 | 12/29/2003 |
| Activated | 9/27/2004  | 9/27/2004  | 9/27/2004  | 9/27/2004  |
| Date      | 12/1/2022  | 9/28/2022  | 6/7/2022   | 3/28/2022  |

| Summary Information   |          |            |        |        |           |         |         |         |         |         |         |  |
|-----------------------|----------|------------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|--|
| Field Parameters      | UNITS    | Baseline   |        |        | Operation |         |         |         |         |         |         |  |
|                       |          | Min        | Ave    | Max    | Min       | Ave     | Max     |         |         |         |         |  |
| Static Water Level    | Feet     | 84.86      | 85.27  | 86.00  | 75.10     | 83.73   | 93.70   | 83      | 83      | 83      | 83.2    |  |
| Water Elevation       | Feet     | 5886.5     | 5887.3 | 5887.7 | 5878.8    | 5888.8  | 5897.4  | 5889.52 | 5889.52 | 5889.52 | 5889.32 |  |
| FieldComment          |          | Dry & Damp |        |        |           |         |         | Dry     | *       | *       |         |  |
| ph                    | su       |            |        |        | 7.0       | 7.4     | 7.9     |         |         |         | 7.84    |  |
| Conductivity          | umhos/cm |            |        |        | 5         | 4482    | 5300    |         |         |         | 4900    |  |
| Temperature           | Celsius  |            |        |        | 8.4       | 14.2    | 19.1    |         |         |         | 15.1    |  |
| Lab Parameters        | UNITS    |            |        |        |           |         |         |         |         |         |         |  |
| Bicarbonate           | mg/L     |            |        |        | 507.3     | 603.1   | 750.0   |         |         |         |         |  |
| Carbonate             | mg/L     |            |        |        | <MDL      | 5.61    | 6.88    |         |         |         |         |  |
| Chloride              | mg/L     |            |        |        | 119.91    | 248.18  | 418.00  |         |         |         |         |  |
| Conductivity          | umhos/cm |            |        |        | 4416      | 4742    | 5412    |         |         |         |         |  |
| Hardness              | mg/L     |            |        |        | 292.0     | 1117.8  | 1486.4  |         |         |         |         |  |
| Nitrate-Nitrite       | mg/L     |            |        |        | <MDL      | 6.76    | 11.30   |         |         |         |         |  |
| Ammonia               | mg/L     |            |        |        | 0.269     | 0.458   | 0.647   |         |         |         |         |  |
| pH                    | su       |            |        |        | 7.11      | 7.89    | 8.36    |         |         |         |         |  |
| Phosphate             | mg/L     |            |        |        | 0.06      | 0.10    | 0.14    |         |         |         |         |  |
| ResidueFilterable-TDS | mg/L     |            |        |        | 3388.0    | 3912.8  | 4793.3  |         |         |         |         |  |
| Sulfate               | mg/L     |            |        |        | 1563.7    | 1957.52 | 2786.42 |         |         |         |         |  |
| Arsenic               | mg/L     |            |        |        | <MDL      | 0.019   | 0.019   |         |         |         |         |  |
| Cadmium               | mg/L     |            |        |        | <MDL      | 0.015   | 0.030   |         |         |         |         |  |
| Calcium               | mg/L     |            |        |        | 46.50     | 171.45  | 231.80  |         |         |         |         |  |
| Iron (Dissolved)      | mg/L     |            |        |        | 0.07      | 1.20    | 2.84    |         |         |         |         |  |
| Iron (TREC)           | mg/L     |            |        |        | 1.56      | 2.77    | 4.49    |         |         |         |         |  |
| Magnesium (Dissolved) | mg/L     |            |        |        | 42.7      | 167.5   | 220.4   |         |         |         |         |  |
| Manganese (Dissolved) | mg/L     |            |        |        | 0.007     | 0.237   | 0.664   |         |         |         |         |  |
| Manganese (TREC)      | mg/L     |            |        |        | 0.060     | 0.248   | 0.701   |         |         |         |         |  |
| Mercury               | mg/L     |            |        |        | 0.00003   | 0.00006 | 0.00010 |         |         |         |         |  |
| Selenium              | mg/L     |            |        |        | 0.039     | 0.058   | 0.077   |         |         |         |         |  |
| Sodium                | mg/L     |            |        |        | 428.25    | 787.81  | 1510.00 |         |         |         |         |  |
| Zinc                  | mg/L     |            |        |        | 0.018     | 0.047   | 0.070   |         |         |         |         |  |

\*Not enough water for field or lab parameters

\*\* Not enough water for lab sample

Alluvial Wells AW-15 through AW-17 are located north of Old State Highway 133, below the GOB Pile.

AW-16  
Alluvial Well  
Top of Pipe Elevation - 5964.67  
Depth - 75  
Pipe 0.8' Above Ground

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 12/29/2003 | 12/29/2003 | 12/29/2003 | 12/29/2003 |
| Activated | 9/27/2004  | 9/27/2004  | 9/27/2004  | 9/27/2004  |
| Date      | 12/1/2022  | 9/28/2022  | 6/7/2022   | 3/28/2022  |

| Field Parameters      | UNITS    | Summary Information |        |        |           |         |         |         |         |         |         |
|-----------------------|----------|---------------------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|
|                       |          | Baseline            |        |        | Operation |         |         |         |         |         |         |
|                       |          | Min                 | Ave    | Max    | Min       | Ave     | Max     |         |         |         |         |
| Static Water Level    | Feet     | 68.00               | 69.23  | 70.48  | 61.65     | 72.77   | 83.40   | 73.6    | 73.6    | 73.6    | 72.8    |
| Water Elevation       | Feet     | 5894.2              | 5895.4 | 5896.7 | 5881.3    | 5891.9  | 5903.0  | 5891.07 | 5891.07 | 5891.07 | 5891.87 |
| FieldComment          |          |                     |        |        |           |         |         | Dry     | Dry     | **      | **      |
| ph                    | su       | 7.9                 | 7.9    | 7.9    | 7.0       | 7.5     | 8.6     |         |         |         |         |
| Conductivity          | umhos/cm | 740                 | 740    | 740    | 8         | 3961    | 8510    |         |         |         |         |
| Temperature           | Celsius  | 13.7                | 13.7   | 13.7   | 9.9       | 13.6    | 16.9    |         |         |         |         |
| Lab Parameters        | UNITS    |                     |        |        |           |         |         |         |         |         |         |
| Bicarbonate           | mg/L     |                     |        |        | 558.0     | 610.0   | 661.9   |         |         |         |         |
| Carbonate             | mg/L     |                     |        |        | <MDL      | <MDL    | <MDL    |         |         |         |         |
| Chloride              | mg/L     |                     |        |        | 43.6      | 49.1    | 54.5    |         |         |         |         |
| Conductivity          | umhos/cm |                     |        |        | 5313.4    | 5876.3  | 6439.2  |         |         |         |         |
| Hardness              | mg/L     |                     |        |        | 2304.4    | 2531.6  | 2758.8  |         |         |         |         |
| Nitrate-Nitrite       | mg/L     |                     |        |        | <MDL      | 1.49    | 1.49    |         |         |         |         |
| Ammonia               | mg/L     |                     |        |        | <MDL      | 4.0     | 4.0     |         |         |         |         |
| pH                    | su       |                     |        |        | 7.7       | 7.8     | 8.0     |         |         |         |         |
| Phosphate             | mg/L     |                     |        |        | 0.60      | 1.72    | 2.84    |         |         |         |         |
| ResidueFilterable-TDS | mg/L     |                     |        |        | 5604      | 5770    | 5935    |         |         |         |         |
| Sulfate               | mg/L     |                     |        |        | 2903.8    | 2949.7  | 2995.6  |         |         |         |         |
| Arsenic               | mg/L     |                     |        |        | 0.021     | 0.084   | 0.146   |         |         |         |         |
| Cadmium               | mg/L     |                     |        |        | 0.034     | 0.042   | 0.050   |         |         |         |         |
| Calcium               | mg/L     |                     |        |        | 328.8     | 343.9   | 359.0   |         |         |         |         |
| Iron (Dissolved)      | mg/L     |                     |        |        | 0.08      | 0.08    | 0.08    |         |         |         |         |
| Iron (TREC)           | mg/L     |                     |        |        | 0.12      | 10.08   | 20.04   |         |         |         |         |
| Magnesium (Dissolved) | mg/L     |                     |        |        | 380.3     | 416.3   | 452.3   |         |         |         |         |
| Manganese (Dissolved) | mg/L     |                     |        |        | 0.0       | 0.258   | 0.510   |         |         |         |         |
| Manganese (Total)     | mg/L     |                     |        |        | 0.0       | 1.126   | 2.240   |         |         |         |         |
| Mercury               | mg/L     |                     |        |        | 0.00005   | 0.00006 | 0.00007 |         |         |         |         |
| Selenium              | mg/L     |                     |        |        | 0.009     | 0.025   | 0.040   |         |         |         |         |
| Sodium                | mg/L     |                     |        |        | 181.8     | 769.1   | 1356.5  |         |         |         |         |
| Zinc                  | mg/L     |                     |        |        | 0.02      | 0.30    | 0.57    |         |         |         |         |

Alluvial Wells AW-15 through AW-17 are located north of Old State Highway 133, below the GOB Pile.

\*Just enough water for field parameters

\*\*Not enough water for parameters

AW-17  
Alluvial Well  
Top of Pipe Elevation - 5950.81  
Depth - 62  
Pipe Flush with Ground

|           |            |            |            |            |
|-----------|------------|------------|------------|------------|
| Initiated | 12/29/2003 | 12/29/2003 | 12/29/2003 | 12/29/2003 |
| Activated | 9/27/2004  | 9/27/2004  | 9/27/2004  | 9/27/2004  |
| Date      | 12/1/2022  | 9/28/2022  | 6/7/2022   | 3/28/2022  |

| Field Parameters      |          | Summary Information |          |        |        |           |         |         |         |         |         |         |
|-----------------------|----------|---------------------|----------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|
|                       |          | UNITS               | Baseline |        |        | Operation |         |         |         |         |         |         |
|                       |          |                     | Min      | Ave    | Max    | Min       | Ave     | Max     |         |         |         |         |
| Static Water Level    | Feet     |                     | 38.40    | 46.51  | 59.00  | 26.40     | 55.54   | 68.60   | 60.1    | 68.6    | 48.6    | 45.1    |
| Water Elevation       | Feet     |                     | 5891.8   | 5904.3 | 5912.4 | 5882.2    | 5895.3  | 5924.4  | 5890.71 | 5882.21 | 5902.21 | 5905.71 |
| FieldComment          |          |                     |          |        |        |           |         |         | * Dry   |         |         |         |
| ph                    | su       |                     | 8.5      | 8.9    | 9.7    | 7.1       | 7.7     | 8.4     |         |         | 7.69    | 8.32    |
| Conductivity          | umhos/cm |                     | 200      | 264    | 320    | 870       | 3167    | 5000    |         |         | 2610    | 1832    |
| Temperature           | Celsius  |                     | 1.9      | 7.1    | 12.2   | 9.2       | 12.3    | 19.8    |         |         | 13.3    | 13.5    |
| Lab Parameters        | UNITS    |                     |          |        |        |           |         |         |         |         |         |         |
| Bicarbonate           | mg/L     |                     | 114.6    | 114.6  | 114.6  | 162.54    | 340.27  | 641.70  |         |         | 246     |         |
| Carbonate             | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | <MDL    | <MDL    |         |         | <MDL    |         |
| Chloride              | mg/L     |                     | 2.57     | 2.57   | 2.57   | 14.7      | 127.4   | 224.7   |         |         | 37.1    |         |
| Conductivity          | umhos/cm |                     | 271.7    | 271.7  | 271.7  | 827       | 3121    | 5230    |         |         | 2480    |         |
| Hardness              | mg/L     |                     | 76       | 76     | 76     | 326       | 1068    | 1836    |         |         | 816     |         |
| Nitrate-Nitrite       | mg/L     |                     | 3.05     | 3.05   | 3.05   | <MDL      | 1.65    | 4.07    |         |         | 0.52    |         |
| Ammonia               | mg/L     |                     | 2.78     | 2.78   | 2.78   | <MDL      | 0.45    | 0.83    |         |         | <MDL    |         |
| pH                    | su       |                     | 8.5      | 8.5    | 8.5    | 6.9       | 7.6     | 8.3     |         |         | 8.1     |         |
| Phosphate             | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.046   | 0.100   |         |         | 0.06    |         |
| ResidueFilterable-TDS | mg/L     |                     | 185      | 185    | 185    | 503       | 2531    | 4046    |         |         | 2030    |         |
| Sulfate               | mg/L     |                     | 2.1      | 2.1    | 2.1    | 126.36    | 1290.79 | 2230.00 |         |         | 1090    |         |
| Arsenic (Dissovled)   | mg/L     |                     | 0.016    | 0.016  | 0.016  | <MDL      | 0.014   | 0.032   |         |         | <MDL    |         |
| Cadmium (Dissolved)   | mg/L     |                     | 0.0003   | 0.0003 | 0.0003 | <MDL      | 0.023   | 0.060   |         |         | <MDL    |         |
| Calcium (Dissolved)   | mg/L     |                     | 17.26    | 17.26  | 17.26  | 71.9      | 208.0   | 358.8   |         |         | 169     |         |
| Iron (Dissolved)      | mg/L     |                     | 0.029    | 0.029  | 0.029  | 0.016     | 0.158   | 0.832   |         |         | 0.142   |         |
| Iron (TREC)           | mg/L     |                     | 0.117    | 0.117  | 0.117  | 0.090     | 1.097   | 10.350  |         |         | 0.91    |         |
| Magnesium (Dissolved) | mg/L     |                     | 8.09     | 8.09   | 8.09   | 35.50     | 132.12  | 228.25  |         |         | 95.7    |         |
| Manganese (Dissolved) | mg/L     |                     | <MDL     | <MDL   | <MDL   | <MDL      | 0.011   | 0.023   |         |         | <MDL    |         |
| Manganese (TREC)      | mg/L     |                     | 0.041    | 0.041  | 0.041  | 0.007     | 18.215  | 236.000 |         |         | 0.024   |         |
| Mercury (Dissolved)   | mg/L     |                     | <MDL     | <MDL   | <MDL   | 0.00002   | 0.00006 | 0.00013 |         |         | <MDL    |         |
| Selenium (Dissolved)  | mg/L     |                     | 0.014    | 0.014  | 0.014  | 0.004     | 0.015   | 0.046   |         |         | 0.013   |         |
| Sodium (Dissolved)    | mg/L     |                     | 12       | 12     | 12     | 40.60     | 292.26  | 565.00  |         |         | 296     |         |
| Zinc (Dissolved)      | mg/L     |                     | 0.005    | 0.005  | 0.005  | 0.010     | 0.020   | 0.036   |         |         | <MDL    |         |

Alluvial Wells AW-15 through AW-17 are located north of Old State Highway 133, below the GOB Pile.

\* Not enough water for field or lab parameters

\*\*Not enough water for lab sample

Baseline Information for AW-17 is derived from events beginning on 12/29/03 through 9/27/04.  
Point influenced by mining on 9/27/04.

P-1  
 Stevens Draw - Pond 1  
 Depth - 5'  
 Elevation - 7080

| Date | 10/12/2022 | 8/22/2022 | 5/2/2022 |
|------|------------|-----------|----------|
|------|------------|-----------|----------|

| Field Parameters | UNITS |     |     |     |
|------------------|-------|-----|-----|-----|
| Pond Inflow      | GPM   | 0   | 0   | 0   |
| Pond Outflow     | GPM   | 0   | 0   | 0   |
| Freeboard        | FT    | 0   | 0   | 0   |
| Water Depth      | FT    | 0   | 0   | 0   |
| Water Level      | %     | 0   | 0   | 0   |
| Field Comments   |       | Dry | Dry | Dry |

*Pond 1 (P-1) results from the discharge of Spring 14 (S-14) and is located in Stevens Draw location of DH-15, DH-39 and the Lower Stevens Draw monitoring point.*



*1Q site inaccessible due to snow*

P-2  
 Freeman Gulch - Pond 2  
 Depth - 3'  
 Elevation - 7600

| Date | 11/8/2022 | 9/6/2022 | 5/11/2022 |
|------|-----------|----------|-----------|
|------|-----------|----------|-----------|

| Field Parameters | UNITS |              |              |              |
|------------------|-------|--------------|--------------|--------------|
| Pond Inflow      | GPM   | 0            | 0            | 0            |
| Pond Outflow     | GPM   | 0            | 0            | 0            |
| Freeboard        | FT    | 3            | 3            | 3            |
| Water Depth      | FT    | 0            | 0            | 0            |
| Water Level      | %     | 0            | 0            | 0            |
| Field Comments   |       | No discharge | No discharge | No discharge |

*Pond 2 (P-2) is located in Freeman Gulch, near the Upper Freeman Gulch monitoring point and is fed by the discharge of Spring 3 (S-3).*



*Note: Site in accessible 1Q due to snow levels*



| Date | 11/9/2022 | 9/28/2022 | 5/11/2022 |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

| Field Parameters | UNITS |     |     |     |
|------------------|-------|-----|-----|-----|
| Pond Inflow      | GPM   | 0   | 0   | 0   |
| Pond Outflow     | GPM   | 0   | 0   | 0   |
| Freeboard        | FT    | 6.5 | 6.5 | 6.5 |
| Water Depth      | FT    | 0   | 0   | 0   |
| Water Level      | %     | 0   | 0   | 0   |
| Field Comments   |       | Dry | Dry | Dry |

*Pond 3 (P-3) is located in an un-named gulch which leads to Terror Creek. This pond is fed by Spring 16 (S-16) and is accessible by a road that passes Pond 4 (P-4). This road is not shown on the map.*



*Note: Site in accessible 1Q due to snow levels*

P-4  
 Terror Creek - Pond 4  
 Depth - 3.5'  
 Elevation - 7880

| Date | 11/9/2022 | 9/28/2022 | 5/11/2022 |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

| Field Parameters | UNITS |      |     |     |
|------------------|-------|------|-----|-----|
| Pond Inflow      | GPM   | 0    | 0   | 0   |
| Pond Outflow     | GPM   | 0    | 0   | 0   |
| Freeboard        | FT    | 0.25 | 0.1 | 0.2 |
| Water Depth      | FT    | 3.25 | 3.4 | 3.3 |
| Water Level      | %     | 93   | 97  | 94  |
| Field Comments   |       |      |     |     |

*Pond 4 (P-4) is located in an un-named gulch which leads to Terror Creek. This pond receives water from Springs 4 (S-4) and 4a (S-4a). It is accessible by an old exploration road.*



*Note: Site in accesible 1Q due to snow levels*



P-5  
 Sheep Corral - Pond 5  
 Depth - 8'  
 Elevation - 7800

| Date | 11/9/2022 | 8/22/2022 | 5/11/2022 |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

| Field Parameters | UNITS |     |    |   |
|------------------|-------|-----|----|---|
| Pond Inflow      | GPM   | 0   | 0  | 0 |
| Pond Outflow     | GPM   | 0   | 0  | 0 |
| Freeboard        | FT    | 2.5 | 7  | 8 |
| Water Depth      | FT    | 5.5 | 1  | 0 |
| Water Level      | %     | 69  | 13 | 0 |
| Field Comments   |       |     |    |   |

*Pond 5 (P-5) is located in an un-named gulch which feeds into Sheep Corral Gulch. This pond is fed by Springs 5 (S-5), 5a (S-5a) and 5b (S-5b) and is accessible by an old coal exploration road.*



*Note: Site in accesible 1Q due to snow levels*



P-6  
 Terror Creek - Pond 6  
 Depth - 3'  
 Elevation - 7880

| Date | 11/9/2022 | 9/28/2022 | 6/23/2022 |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

| Field Parameters | UNITS |      |      |      |
|------------------|-------|------|------|------|
| Pond Inflow      | GPM   | 0    | 0    | 0    |
| Pond Outflow     | GPM   | 0.0  | 0.0  | 0.0  |
| Freeboard        | FT    | 3.0  | 3.0  | 3.0  |
| Water Depth      | FT    | 0    | 0    | 0    |
| Water Level      | %     | 0.00 | 0.00 | 0.00 |
| Field Comments   |       | Dry  | Dry  | Dry  |

*Pond 6 (P-6) is located in an un-named gulch which leads to Terror Creek. This pond receives water from Spring 18 (S-18).*



*Note: Site in accessible 1Q due to snow levels*

P33-3  
 Sheep Corral - Pond 33-3  
 Depth - 5.5'  
 Elevation - 7760

| Date | 11/9/2022 | 8/22/2022 | 5/11/2022 |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

| Field Parameters | UNITS |     |     |     |
|------------------|-------|-----|-----|-----|
| Pond Inflow      | GPM   | 0   | 0   | 0   |
| Freeboard        | FT    | 6.5 | 6.5 | 6.5 |
| Water Depth      | FT    | 0   | 0   | 0   |
| Water Level      | %     | 0   | 0   | 0   |
| Field Comments   |       | Dry | Dry | Dry |

*Pond 33-3 (P33-3) is located in an un-named drainage which discharges into Sheep Corra. This pond apparently has no spring, and catches only run-off water in the early spring.*



*Note: Site in accessible 1Q due to snow levels*

P6-5  
W. Fork of Terror Creek - Pond 6-5  
Elevation - 8020

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/19/1985  | 7/19/1985 | 7/19/1985 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |  |  |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|--|--|-----|-----|-----|
|                          |          | Min      | Ave   | Max   |           |  |  |     |     |     |
| Outflow                  | GPM      | 0.00     | 0.11  | 2.56  |           |  |  | 0.0 | 0.0 | 0.0 |
| Inflow                   | GPM      | 0.00     | 0.00  | 0.00  |           |  |  | 0.0 | 0.0 | 0.0 |
| Freeboard                | Feet     |          |       |       |           |  |  | 5   | 7   | 5   |
| Temperature              | Celsius  | 12.7     | 15.6  | 24.7  |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 280      | 452   | 791   |           |  |  |     |     |     |
| pH                       | su       | 6.2      | 7.8   | 8.5   |           |  |  |     |     |     |
| Field Comments           |          |          |       |       |           |  |  |     |     |     |
| Lab Parameters           | UNITS    |          |       |       |           |  |  |     |     |     |
| Bicarbonate              | mg/L     | 164.7    | 290.7 | 420.9 |           |  |  |     |     |     |
| Carbonate                | mg/L     |          |       |       |           |  |  |     |     |     |
| Chloride                 | mg/L     | 1        | 6     | 11    |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 285      | 446   | 629   |           |  |  |     |     |     |
| Hardness                 | mg/L     | 127      | 199   | 320   |           |  |  |     |     |     |
| pH                       | su       | 7.3      | 7.5   | 7.9   |           |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 22       | 240   | 432   |           |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 10       | 185   | 830   |           |  |  |     |     |     |
| SAR                      |          | 0.43     | 0.56  | 0.9   |           |  |  |     |     |     |
| Sulfate                  | mg/L     | <MDL     | 7.7   | 14.0  |           |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     | 31       | 50    | 74    |           |  |  |     |     |     |
| Magnesium (Total)        | mg/L     | 12       | 22    | 33    |           |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     | 13       | 19    | 29    |           |  |  |     |     |     |
| Potassium                | mg/L     |          |       |       |           |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          |          |       |       |           |  |  |     |     |     |

The area of concern for monitoring point P6-5 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Note: Site in accessible 1Q due to snow levels

P7-2  
Steven's Gulch - Pond 7-2  
Elevation - 8190

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/29/1985  | 7/29/1985 | 7/29/1985 |
| Activated | 6/10/2014  | 6/10/2014 | 6/10/2014 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |        | Operation |  |        |         |     |
|--------------------------|----------|----------|--------|--------|-----------|--|--------|---------|-----|
|                          |          | Min      | Ave    | Max    |           |  |        |         |     |
| Outflow                  | GPM      | 0        | 0.67   | 15.39  | 11.25     |  | 11.25  |         |     |
| Inflow                   | GPM      | 0        | 0.27   | 3.75   | 0.00      |  | 0.00   |         |     |
| Freeboard                | Feet     | 0        | 1.32   | 3.42   | 6.50      |  | 6.50   | 6.5     | 6.5 |
| Temperature              | Celsius  | 10       | 16.71  | 27.80  | 15.10     |  | 15.10  |         |     |
| Conductivity             | umhos/cm | 160      | 248.77 | 321.00 | 170.00    |  | 170.00 |         |     |
| pH                       | su       | 7.2      | 8.46   | 9.70   | 7.7       |  | 7.7    |         |     |
| Field Comments           |          |          |        |        |           |  |        | No flow |     |
| Lab Parameters           | UNITS    |          |        |        |           |  |        |         |     |
| Bicarbonate              | mg/L     | 119.6    | 158.9  | 223.0  |           |  |        |         |     |
| Carbonate                | mg/L     |          |        |        |           |  |        |         |     |
| Chloride                 | mg/L     | <MDL     | 2.7    | 5.0    |           |  |        |         |     |
| Conductivity             | umhos/cm | 204.0    | 251.3  | 320.0  |           |  |        |         |     |
| Hardness                 | mg/L     | 92.0     | 117.0  | 142.0  |           |  |        |         |     |
| pH                       | su       | 6.8      | 7.5    | 8.3    |           |  |        |         |     |
| ResidueFilterable-TDS    | mg/L     | 118.0    | 169.7  | 234.0  |           |  |        |         |     |
| ResidueNonFilterable-TSS | mg/L     | 10.0     | 100.0  | 538.0  |           |  |        |         |     |
| SAR                      |          | 0.20     | 0.41   | 1.00   |           |  |        |         |     |
| Sulfate                  | mg/L     | <MDL     | 11.3   | 49.0   |           |  |        |         |     |
| Calcium (Dissolved)      | mg/L     | 22.0     | 27.9   | 35.0   |           |  |        |         |     |
| Magnesium (Total)        | mg/L     | 9.0      | 11.5   | 15.0   |           |  |        |         |     |
| Sodium (Dissolved)       | mg/L     | 5.0      | 10.0   | 22.0   |           |  |        |         |     |
| Potassium                | mg/L     |          |        |        |           |  |        |         |     |
| TDS Ratio (grav./calc.)  |          |          |        |        |           |  |        |         |     |

Activated 6/10/14

Note: Site in accesible 1Q due to snow levels

P7-7  
Steven's Gulch - Pond 7-7  
Elevation - 8380

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/25/1985  | 7/25/1985 | 7/25/1985 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |  |  |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|--|--|-----|-----|-----|
|                          |          | Min      | Ave   | Max   |           |  |  |     |     |     |
| Inflow                   | GPM      | 0.0      | 0.0   | 0.0   |           |  |  |     |     |     |
| Outflow                  | GPM      | 0.0      | 0.0   | 0.4   |           |  |  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.00     | 1.85  | 4.80  |           |  |  |     |     | 4   |
| Temperature              | Celsius  | 3.1      | 14.6  | 27.1  |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 227.0    | 381.2 | 829.0 |           |  |  |     |     |     |
| pH                       | su       | 6.4      | 7.6   | 8.1   |           |  |  |     |     |     |
| Field Comments           |          |          |       |       |           |  |  | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |       |       |           |  |  |     |     |     |
| Bicarbonate              | mg/L     | 126.9    | 190.5 | 244.0 |           |  |  |     |     |     |
| Carbonate                | mg/L     |          |       |       |           |  |  |     |     |     |
| Chloride                 | mg/L     | <MDL     | 1.6   | 3.0   |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 219.0    | 303.1 | 460.0 |           |  |  |     |     |     |
| Hardness                 | mg/L     | 117.0    | 151.2 | 183.0 |           |  |  |     |     |     |
| pH                       | su       | 6.4      | 7.3   | 7.9   |           |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 142.0    | 204.8 | 276.0 |           |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 2.0      | 65.1  | 252.0 |           |  |  |     |     |     |
| SAR                      |          | 0.2      | 0.4   | 1.0   |           |  |  |     |     |     |
| Sulfate                  | mg/L     | <MDL     | 6.8   | 10.0  |           |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     | 24.0     | 34.8  | 42.0  |           |  |  |     |     |     |
| Magnesium (Total)        | mg/L     | 11.0     | 15.6  | 19.0  |           |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     | 4.0      | 10.8  | 29.0  |           |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          |          |       |       |           |  |  |     |     |     |

The area of concern for monitoring point P7-7 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

\*Dam Gone

\*\* Data not provided in field notes

Note: Site in accesible 1Q due to snow levels

P7-11  
Steven's Gulch - Pond 7-11  
Elevation - 8400

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/25/1985  | 7/25/1985 | 7/25/1985 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |  |  |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|--|--|-----|-----|-----|
|                          |          | Min      | Ave   | Max   |           |  |  |     |     |     |
| Outflow                  | GPM      | 0.00     | 0.16  | 7.99  |           |  |  | 0   | 0   | 0   |
| Inflow                   | GPM      | 0.00     | 0.20  | 7.99  |           |  |  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.00     | 1.32  | 2.61  |           |  |  |     |     |     |
| Temperature              | Celsius  | 3.6      | 15.9  | 29.9  |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 138      | 288   | 495   |           |  |  |     |     |     |
| pH                       | su       | 6.4      | 7.6   | 9.2   |           |  |  |     |     |     |
| Field Comments           |          |          |       |       |           |  |  | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |       |       |           |  |  |     |     |     |
|                          |          | Min      | Ave   | Max   |           |  |  |     |     |     |
| Bicarbonate              | mg/L     | 105      | 320   | 2116  |           |  |  |     |     |     |
| Carbonate                | mg/L     | <MDL     | <MDL  | <MDL  |           |  |  |     |     |     |
| Chloride                 | mg/L     | <MDL     | 3     | 4     |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 202      | 262   | 346   |           |  |  |     |     |     |
| Hardness                 | mg/L     | 79       | 122   | 172   |           |  |  |     |     |     |
| pH                       | su       | 6.3      | 7.4   | 8.3   |           |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 144      | 190   | 260   |           |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 2        | 277   | 3033  |           |  |  |     |     |     |
| SAR                      |          | 0.34     | 0.54  | 1.78  |           |  |  |     |     |     |
| Sulfate                  | mg/L     | <MDL     | 18    | 121   |           |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     | 3.66     | 26.50 | 41.00 |           |  |  |     |     |     |
| Magnesium (Total)        | mg/L     | 7.0      | 12.4  | 19.7  |           |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     | 8        | 13    | 42    |           |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          | 1.01     | 1.04  | 1.07  |           |  |  |     |     |     |

The area of concern for monitoring point P7-11 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Note: Site in accesible 1Q due to snow levels

P8-4  
Terror Creek - Pond 8-4  
Elevation - 6980

|           |            |          |           |
|-----------|------------|----------|-----------|
| Initiated | 1987       | 1987     | 1987      |
| Activated |            |          |           |
| Date      | 10/12/2022 | 9/8/2022 | 6/22/2022 |

| Summary Information      |          |          |      |      |  |  |  |     |     |     |
|--------------------------|----------|----------|------|------|--|--|--|-----|-----|-----|
| Field Parameters         | UNITS    | Baseline |      |      |  |  |  |     |     |     |
|                          |          | Min      | Ave  | Max  |  |  |  |     |     |     |
| Outflow                  | GPM      | 0.0      | 0.0  | 0.0  |  |  |  | 0   | 0   | 0   |
| Inflow                   | GPM      | 0.0      | 0.09 | 0.94 |  |  |  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.35     | 0.38 | 0.41 |  |  |  |     |     |     |
| Temperature              | Celsius  | 6.8      | 10.8 | 18.3 |  |  |  |     |     |     |
| Conductivity             | umhos/cm | 1140     | 1188 | 1220 |  |  |  |     |     |     |
| pH                       | su       | 8.4      | 8.5  | 8.6  |  |  |  |     |     |     |
| Field Comments           |          |          |      |      |  |  |  | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |      |      |  |  |  |     |     |     |
|                          |          |          |      |      |  |  |  |     |     |     |
| Bicarbonate              | mg/L     |          |      |      |  |  |  |     |     |     |
| Chloride                 | mg/L     |          |      |      |  |  |  |     |     |     |
| Conductivity             | umhos/cm |          |      |      |  |  |  |     |     |     |
| Hardness                 | mg/L     |          |      |      |  |  |  |     |     |     |
| pH                       | su       |          |      |      |  |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     |          |      |      |  |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     |          |      |      |  |  |  |     |     |     |
| SAR                      |          |          |      |      |  |  |  |     |     |     |
| Sulfate                  | mg/L     |          |      |      |  |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     |          |      |      |  |  |  |     |     |     |
| Magnesium (Total)        | mg/L     |          |      |      |  |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     |          |      |      |  |  |  |     |     |     |
| Potassium                | mg/L     |          |      |      |  |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          |          |      |      |  |  |  |     |     |     |

The area of concern for monitoring point P8-4 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Note: Site in accesible 1Q due to snow levels

P12-1  
Steven's Gulch - Pond 12-1  
Elevation -7950

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 7/30/1985 | 7/30/1985 | 7/30/1985 |
| Activated | 4/1/2014  | 4/1/2014  | 4/1/2014  |
| Date      | 11/2/2022 | 9/27/2022 | 6/13/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |        |       |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|--------|-------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   |           |        |       |     |     |     |
| Outflow                  | GPM      | 0.00     | 0.29  | 3.75  | 9.375     | 0.3906 | 9.375 | 0   | 0   | 0   |
| Inflow                   | GPM      | 0.00     | 0.00  | 0.00  | 3.75      | 0.163  | 3.75  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.00     | 1.58  | 3.35  | 6.00      | 2.49   | 6.00  |     |     | 5.5 |
| Temperature              | Celsius  | 5.9      | 17.7  | 28.8  | 15.2      |        | 15.2  |     |     |     |
| Conductivity             | umhos/cm | 283      | 360   | 493   | 260       |        | 260   |     |     |     |
| pH                       | su       | 6.6      | 8.2   | 10.8  | 7.9       |        | 7.9   |     |     |     |
| Field Comments           |          |          |       |       |           |        |       | Dry | Dry |     |
| Lab Parameters           | UNITS    |          |       |       |           |        |       |     |     |     |
| Bicarbonate              | mg/L     | 88.0     | 168.4 | 269.6 |           |        |       |     |     |     |
| Carbonate                | mg/L     | 12.4     | 12.4  | 12.4  |           |        |       |     |     |     |
| Chloride                 | mg/L     | <MDL     | 4.5   | 7.0   |           |        |       |     |     |     |
| Conductivity             | umhos/cm | 256      | 341   | 487   |           |        |       |     |     |     |
| Hardness                 | mg/L     | 86.0     | 122.9 | 159.0 |           |        |       |     |     |     |
| pH                       | su       | 7.1      | 7.8   | 8.9   |           |        |       |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 154      | 215   | 288   |           |        |       |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 38    | 160   |           |        |       |     |     |     |
| SAR                      |          | 0.600    | 0.943 | 1.550 |           |        |       |     |     |     |
| Sulfate                  | mg/L     | 4.0      | 36.5  | 109.0 |           |        |       |     |     |     |
| Calcium (Dissolved)      | mg/L     | 28.0     | 35.8  | 49.0  |           |        |       |     |     |     |
| Magnesium (Total)        | mg/L     | 4.0      | 10.3  | 14.0  |           |        |       |     |     |     |
| Sodium (Dissolved)       | mg/L     | 16.0     | 24.8  | 41.0  |           |        |       |     |     |     |
| TDS Ratio (grav./calc.)  |          |          |       |       |           |        |       |     |     |     |

Note: Site in accessible 1Q due to snow levels

Activated 4/1/14



P12-2  
Steven's Gulch - Pond 12-2  
Elevation - 8030

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/6/1983   | 7/6/1983  | 7/6/1983  |
| Activated | 5/15/2014  | 5/15/2014 | 5/15/2014 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |        |        | Operation |     |        |              |   |   |
|--------------------------|----------|----------|--------|--------|-----------|-----|--------|--------------|---|---|
|                          |          | Min      | Ave    | Max    | Min       | Ave | Max    |              |   |   |
| Outflow                  | GPM      | 0        | 0.31   | 4.94   | 1.25      |     | 1.25   |              | 0 | 0 |
| Inflow                   | GPM      | 0        | 0.19   | 0.38   | 0.00      |     | 0.00   |              | 0 | 0 |
| Freeboard                | Feet     | 0        | 0.10   | 0.56   | 4.50      |     | 4.50   | 4.5          |   |   |
| Temperature              | Celsius  | 5.4      | 16.33  | 26.30  | 17.20     |     | 17.20  |              |   |   |
| Conductivity             | umhos/cm | 239      | 380.35 | 520.00 | 350.00    |     | 350.00 |              |   |   |
| pH                       | su       | 6.4      | 8.03   | 9.40   | 7.7       |     | 7.7    |              |   |   |
| Field Comments           |          |          |        |        |           |     |        | No Discharge |   |   |
| Lab Parameters           | UNITS    |          |        |        |           |     |        |              |   |   |
| Bicarbonate              | mg/L     | 200.0    | 253.6  | 336.0  |           |     |        |              |   |   |
| Carbonate                | mg/L     | 5.9      | 8.85   | 11.80  |           |     |        |              |   |   |
| Chloride                 | mg/L     | 2.0      | 4.1    | 9.0    |           |     |        |              |   |   |
| Conductivity             | umhos/cm | 317      | 395    | 456    |           |     |        |              |   |   |
| Hardness                 | mg/L     | 144.00   | 192.08 | 238.00 |           |     |        |              |   |   |
| Acidity                  | mg/L     | 16.0     | 16.0   | 16.0   |           |     |        |              |   |   |
| pH                       | su       | 7.3      | 7.9    | 8.6    |           |     |        |              |   |   |
| ResidueFilterable-TDS    | mg/L     | 168      | 244    | 292    |           |     |        |              |   |   |
| ResidueNonFilterable-TSS | mg/L     | 2        | 330    | 3332   |           |     |        |              |   |   |
| SAR                      |          | 0.330    | 0.613  | 1.260  |           |     |        |              |   |   |
| Sulfate                  | mg/L     | <MDL     | 19.57  | 113.00 |           |     |        |              |   |   |
| Calcium (Dissolved)      | mg/L     | 20.0     | 41.7   | 54.0   |           |     |        |              |   |   |
| Iron (Total)             | mg/L     | 1.42     | 1.42   | 1.42   |           |     |        |              |   |   |
| Iron (Dissolved)         | mg/L     | 0.04     | 0.04   | 0.04   |           |     |        |              |   |   |
| Magnesium (Total)        | mg/L     | 16.0     | 21.4   | 29.0   |           |     |        |              |   |   |
| Manganese (Total)        | mg/L     | 0.320    | 0.320  | 0.320  |           |     |        |              |   |   |
| Sodium (Dissolved)       | mg/L     | 10       | 19.17  | 36.00  |           |     |        |              |   |   |
| TDS Ratio (grav./calc.)  | %        |          |        |        |           |     |        |              |   |   |

Activated May 15, 2014

\*Large Seep Area - Unmeasurable

Note: Site in accesible 1Q due to snow levels

P12-10  
Steven's Gulch - Pond 12-10  
Elevation - 7820

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| Initiated | 7/30/1985 | 7/30/1985 | 7/30/1985 |
| Activated |           |           |           |
| Date      | 11/2/2022 | 9/27/2022 | 6/13/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |        | Operation |     |     |   |     |     |
|--------------------------|----------|----------|-------|--------|-----------|-----|-----|---|-----|-----|
|                          |          | Min      | Ave   | Max    | Min       | Ave | Max |   |     |     |
| Outflow                  | GPM      | 0.0      | 1.8   | 48.066 |           |     |     | 0 | 0   | 0   |
| Inflow                   | GPM      | 0.0      | 0.3   | 15.00  |           |     |     | 0 | 0   | 0   |
| Freeboard                | Feet     |          |       |        |           |     |     | 6 |     |     |
| Temperature              | Celsius  | 4.4      | 16.8  | 25.5   |           |     |     |   |     |     |
| Conductivity             | umhos/cm | 270      | 347   | 466    |           |     |     |   |     |     |
| pH                       | su       | 6.7      | 8.2   | 10.4   |           |     |     |   |     |     |
| Field Comments           |          |          |       |        |           |     |     |   | Dry | Dry |
| Lab Parameters           | UNITS    |          |       |        |           |     |     |   |     |     |
| Bicarbonate              | mg/L     | 122      | 188.8 | 309    |           |     |     |   |     |     |
| Carbonate                | mg/L     | 6        | 9     | 12     |           |     |     |   |     |     |
| Chloride                 | mg/L     | <MDL     | 6.3   | 17     |           |     |     |   |     |     |
| Conductivity             | umhos/cm | 217      | 333   | 463    |           |     |     |   |     |     |
| Hardness                 | mg/L     | 98       | 146   | 209    |           |     |     |   |     |     |
| pH                       | su       | 7.6      | 8.2   | 9.8    |           |     |     |   |     |     |
| ResidueFilterable-TDS    | mg/L     | 146      | 208   | 288    |           |     |     |   |     |     |
| ResidueNonFilterable-TSS | mg/L     | <MDL     | 26.6  | 120    |           |     |     |   |     |     |
| SAR                      |          | <MDL     | 0.73  | 1.07   |           |     |     |   |     |     |
| Sulfate                  | mg/L     | 4        | 19    | 41     |           |     |     |   |     |     |
| Calcium (Dissolved)      | mg/L     | 28       | 37    | 48     |           |     |     |   |     |     |
| Magnesium (Total)        | mg/L     | 6        | 13    | 29     |           |     |     |   |     |     |
| Sodium (Dissolved)       | mg/L     | 9        | 20    | 32     |           |     |     |   |     |     |
| TDS Ratio (grav./calc.)  |          |          |       |        |           |     |     |   |     |     |

The area of concern for monitoring point P12-10 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Corrected monitoring information from 4/28/10 to 11/29/11.

Contractor has been monitoring Pond 12-9 as 12-10, but realized his error during 4/10/12 monitoring.

Found remnants of Pond 12-10 on 4/10/12 - has been washed out for a long time. No evidence of flow.

Note: Site in accesible 1Q due to snow levels

P17-1  
Coal Gulch - Pond 17-1  
Elevation - 7340

|           |            |            |            |
|-----------|------------|------------|------------|
| Initiated | 12/22/2004 | 12/22/2004 | 12/22/2004 |
| Activated |            |            |            |
| Dated     | 10/10/2022 | 8/31/2022  | 6/22/2022  |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |  |  |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|--|--|-----|-----|-----|
|                          |          | Min      | Ave   | Max   |           |  |  |     |     |     |
| Outflow                  | GPM      | 0.0      | 1.7   | 30    |           |  |  | 0   | 0   | 0   |
| Inflow                   | GPM      | 0.0      | 0.0   | 0.0   |           |  |  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.0      | 0.7   | 5.5   |           |  |  |     |     |     |
| Temperature              | Celsius  | 0.5      | 9.0   | 17.5  |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 40.0     | 151.7 | 570   |           |  |  |     |     |     |
| pH                       | su       | 7.6      | 8.0   | 8.4   |           |  |  |     |     |     |
| Field Comments           |          |          |       |       |           |  |  | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |       |       |           |  |  |     |     |     |
| Bicarbonate              | mg/L     | 40.5     | 56    | 84    |           |  |  |     |     |     |
| Carbonate                | mg/L     | <MDL     | <MDL  | <MDL  |           |  |  |     |     |     |
| Chloride                 | mg/L     | 1        | 3     | 4     |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 77.8     | 104   | 146   |           |  |  |     |     |     |
| Hardness                 | mg/L     | 26.8     | 47    | 75    |           |  |  |     |     |     |
| pH                       | su       | 7.5      | 7.7   | 7.9   |           |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 61       | 80    | 100   |           |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 16       | 25    | 36    |           |  |  |     |     |     |
| SAR                      |          | 0.16     | 0.17  | 0.19  |           |  |  |     |     |     |
| Sulfate                  | mg/L     | <MDL     | 5.35  | 5.35  |           |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     | 5.83     | 11.98 | 19.80 |           |  |  |     |     |     |
| Magnesium (Total)        | mg/L     | 2.98     | 4.26  | 6.30  |           |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     | 2.21     | 2.64  | 3.40  |           |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          | 1.07     | 1.36  | 1.82  |           |  |  |     |     |     |

The area of concern for monitoring point P17-1 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Note: Site in accessible 1Q due to snow levels

P18-1  
Coal Gulch - Pond 18-1  
Elevation - 7760

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/19/1985  | 7/19/1985 | 7/19/1985 |
| Activated | 6/6/2012   | 6/6/2012  | 6/6/2012  |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |        |        |     |     |     |
|--------------------------|----------|----------|-------|-------|-----------|--------|--------|-----|-----|-----|
|                          |          | Min      | Ave   | Max   | Min       | Ave    | Max    |     |     |     |
| Outflow                  | GPM      | 0.00     | 0.20  | 2.11  | 0.00      | 0.05   | 0.94   | 0   | 0   | 0   |
| Inflow                   | GPM      | 0.00     | 0.31  | 1.88  | 0.00      | 0.26   | 4.10   | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.00     | 2.07  | 2.91  | 0.00      | 0.87   | 3.50   |     |     |     |
| Temperature              | Celsius  | 9.8      | 16.2  | 26.7  | 11.20     | 17.85  | 23.10  |     |     |     |
| Conductivity             | umhos/cm | 115      | 211   | 378   | 557.00    | 600.00 | 620.00 |     |     |     |
| pH                       | su       | 6.3      | 7.8   | 9.2   | 8.10      | 8.43   | 8.68   |     |     |     |
| Field Comments           |          |          |       |       |           |        |        | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |       |       |           |        |        |     |     |     |
| Bicarbonate              | mg/L     | 49.0     | 125.4 | 201.3 |           |        |        |     |     |     |
| Carbonate                | mg/L     | 0.6      | 0.6   | 0.6   |           |        |        |     |     |     |
| Chloride                 | mg/L     | <MDL     | 7     | 11    |           |        |        |     |     |     |
| Conductivity             | umhos/cm | 120      | 244   | 398   |           |        |        |     |     |     |
| Hardness                 | mg/L     | 54       | 94    | 153   |           |        |        |     |     |     |
| pH                       | su       | 6.2      | 7.0   | 7.6   |           |        |        |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 86       | 169   | 280   |           |        |        |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 12       | 178   | 552   |           |        |        |     |     |     |
| SAR                      |          | <MDL     | 0.21  | 0.47  |           |        |        |     |     |     |
| Sulfate                  | mg/L     | <MDL     | 15    | 39    |           |        |        |     |     |     |
| Calcium (Dissolved)      | mg/L     | 15       | 25    | 40    |           |        |        |     |     |     |
| Magnesium (Total)        | mg/L     | 4        | 7     | 13    |           |        |        |     |     |     |
| Sodium (Dissolved)       | mg/L     | <MDL     | 5     | 10    |           |        |        |     |     |     |
| TDS Ratio (grav./calc.)  |          |          |       |       |           |        |        |     |     |     |

The monitoring point for Pond 18-1 is located on a south facing slope that drains down toward the North Fork of the Gunnison River.

Note: Site in accessible 1Q due to snow levels

|          |            |           |           |
|----------|------------|-----------|-----------|
| Initiate | 7/6/1983   | 7/6/1983  | 7/6/1983  |
| Activate |            |           |           |
| Date     | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |        | Operation |  |  |     |     |     |
|--------------------------|----------|----------|-------|--------|-----------|--|--|-----|-----|-----|
|                          |          | Min      | Ave   | Max    |           |  |  |     |     |     |
| Inflow                   | GPM      | 0.00     | 0.27  | 15.708 |           |  |  | 0   | 0   | 0   |
| Outflow                  | GPM      | 0.00     | 0.00  | 0.00   |           |  |  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.48     | 2.19  | 5.4    |           |  |  |     |     |     |
| Temperature              | Celsius  | 2.2      | 16.0  | 29     |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 206      | 329   | 500    |           |  |  |     |     |     |
| pH                       | su       | 5.9      | 7.4   | 8.8    |           |  |  |     |     |     |
| Field Comments           |          |          |       |        |           |  |  | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |       |        |           |  |  |     |     |     |
| Bicarbonate              | mg/L     | 109.8    | 187.5 | 268    |           |  |  |     |     |     |
| Carbonate                | mg/L     | <MDL     | <MDL  | <MDL   |           |  |  |     |     |     |
| Chloride                 | mg/L     | <MDL     | 6.45  | 30     |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 197      | 324   | 581    |           |  |  |     |     |     |
| Hardness                 | mg/L     | 11       | 128   | 210    |           |  |  |     |     |     |
| pH                       | su       | 6.8      | 7.3   | 8.3    |           |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 126      | 211   | 402    |           |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 6        | 59    | 158    |           |  |  |     |     |     |
| SAR                      |          | 0.34     | 0.65  | 1.58   |           |  |  |     |     |     |
| Sulfate                  | mg/L     | <MDL     | 18.12 | 119    |           |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     | 23       | 35    | 56     |           |  |  |     |     |     |
| Magnesium (Total)        | mg/L     | 8        | 12    | 17     |           |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     | 8        | 18    | 39     |           |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          | 1.05     | 1.05  | 1.05   |           |  |  |     |     |     |

The area of concern for monitoring point P18-4 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

Note: Site in accessible 1Q due to snow levels

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 6/14/1983  | 6/14/1983 | 6/14/1983 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |  |  |           |   |   |
|--------------------------|----------|----------|-------|-------|-----------|--|--|-----------|---|---|
|                          |          | Min      | Ave   | Max   |           |  |  |           |   |   |
| Inflow                   | GPM      | 0.0      | 0.0   | 0     |           |  |  | 0         | 0 | 0 |
| Outflow                  | GPM      | 0.0      | 0.1   | 4.488 |           |  |  | 0         | 0 | 0 |
| Freeboard                | Feet     | 0.18     | 1.06  | 2.55  |           |  |  |           |   |   |
| Temperature              | Celsius  | 4.2      | 16.9  | 29    |           |  |  |           |   |   |
| Conductivity             | umhos/cm | 62.0     | 247.1 | 968   |           |  |  |           |   |   |
| pH                       | su       | 7.0      | 8.3   | 9.8   |           |  |  |           |   |   |
| Field Comments           |          |          |       |       |           |  |  | Empty/Dry |   |   |
| Lab Parameters           | UNITS    |          |       |       |           |  |  |           |   |   |
| Bicarbonate              | mg/L     | 53.7     | 140.7 | 478.2 |           |  |  |           |   |   |
| Carbonate                | mg/L     |          |       |       |           |  |  |           |   |   |
| Chloride                 | mg/L     | <MDL     | 20.0  | 120   |           |  |  |           |   |   |
| Conductivity             | umhos/cm | 95.0     | 271.8 | 885   |           |  |  |           |   |   |
| Hardness                 | mg/L     | 44.0     | 103.3 | 331   |           |  |  |           |   |   |
| pH                       | su       | 6.3      | 7.2   | 8     |           |  |  |           |   |   |
| ResidueFilterable-TDS    | mg/L     | 90.0     | 200.5 | 372   |           |  |  |           |   |   |
| ResidueNonFilterable-TSS | mg/L     | 14.0     | 125.0 | 624   |           |  |  |           |   |   |
| SAR                      |          | 0.1      | 0.4   | 1.74  |           |  |  |           |   |   |
| Sulfate                  | mg/L     | <MDL     | 19.6  | 62    |           |  |  |           |   |   |
| Calcium (Dissolved)      | mg/L     | 11.0     | 25.3  | 83    |           |  |  |           |   |   |
| Magnesium (Total)        | mg/L     | 3.0      | 9.7   | 30    |           |  |  |           |   |   |
| Sodium (Dissolved)       | mg/L     | 1.0      | 10.8  | 50    |           |  |  |           |   |   |
| Potassium                | mg/L     |          |       |       |           |  |  |           |   |   |
| TDS Ratio (grav./calc.)  |          |          |       |       |           |  |  |           |   |   |

The area of concern for monitoring point P81 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

\* Data not provided in field notes

Note: Site in accesible 1Q due to snow levels

P82  
Steven's Gulch - Pond 82  
Elevation - 7580

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/18/1990  | 7/18/1990 | 7/18/1990 |
| Activated |            |           |           |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |      |      | Operation |  |  |     |     |     |
|--------------------------|----------|----------|------|------|-----------|--|--|-----|-----|-----|
|                          |          | Min      | Ave  | Max  |           |  |  |     |     |     |
| Outflow                  | GPM      | 0.00     | 0.10 | 4.90 |           |  |  | 0   | 0   | 0   |
| Inflow                   | GPM      | 0.00     | 0.00 | 0.00 |           |  |  | 0   | 0   | 0   |
| Freeboard                | Feet     | 0.00     | 1.48 | 5.50 |           |  |  |     |     |     |
| Temperature              | Celsius  | 7.8      | 17.9 | 28.0 |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 91       | 237  | 569  |           |  |  |     |     |     |
| pH                       | su       | 6.4      | 8.5  | 10.0 |           |  |  |     |     |     |
| Field Comments           |          |          |      |      |           |  |  | Dry | Dry | Dry |
| Lab Parameters           | UNITS    |          |      |      |           |  |  |     |     |     |
|                          |          | Min      | Ave  | Max  |           |  |  |     |     |     |
| Bicarbonate              | mg/L     | 51.2     | 134  | 290  |           |  |  |     |     |     |
| Carbonate                | mg/L     | 1        | 1    | 1    |           |  |  |     |     |     |
| Chloride                 | mg/L     | <MDL     | 8    | 25   |           |  |  |     |     |     |
| Conductivity             | umhos/cm | 104      | 258  | 623  |           |  |  |     |     |     |
| Hardness                 | mg/L     | 36       | 89   | 158  |           |  |  |     |     |     |
| pH                       | su       | 6.4      | 7.1  | 8.4  |           |  |  |     |     |     |
| ResidueFilterable-TDS    | mg/L     | 75       | 225  | 566  |           |  |  |     |     |     |
| ResidueNonFilterable-TSS | mg/L     | 28       | 155  | 450  |           |  |  |     |     |     |
| SAR                      |          | <MDL     | 0.22 | 0.49 |           |  |  |     |     |     |
| Sulfate                  | mg/L     | 4        | 22   | 78   |           |  |  |     |     |     |
| Calcium (Dissolved)      | mg/L     | 11       | 24   | 45   |           |  |  |     |     |     |
| Magnesium (Total)        | mg/L     | 2        | 7    | 13   |           |  |  |     |     |     |
| Sodium (Dissolved)       | mg/L     | <MDL     | 5    | 14   |           |  |  |     |     |     |
| Potassium                | mg/L     |          |      |      |           |  |  |     |     |     |
| TDS Ratio (grav./calc.)  |          |          |      |      |           |  |  |     |     |     |

The area of concern for monitoring point P82 has not been affected by the mining operation. Therefore, all recorded monitoring events are considered Baseline.

\* Data not provided in field notes

Note: Site in accesible 1Q due to snow levels

P83  
Coal Gulch - Pond 83  
Depth - 2.5'  
Elevation -7820

|           |            |           |           |
|-----------|------------|-----------|-----------|
| Initiated | 7/18/1983  | 7/18/1983 | 7/18/1983 |
| Activated | 7/15/2013  | 7/15/2013 | 7/15/2013 |
| Date      | 10/10/2022 | 8/31/2022 | 6/22/2022 |

Summary Information

| Field Parameters         | UNITS    | Baseline |       |       | Operation |      |      |     |   |   |
|--------------------------|----------|----------|-------|-------|-----------|------|------|-----|---|---|
|                          |          | Min      | Ave   | Max   |           |      |      |     |   |   |
| Outflow                  | GPM      | 0.00     | 0.18  | 6.24  | 0.00      | 0.00 | 0.00 | 0   | 0 | 0 |
| Inflow                   | GPM      | 0.00     | 0.00  | 0.00  | 0.00      | 0.00 | 0.00 | 0   | 0 | 0 |
| Freeboard                | Feet     | 0.57     | 2.30  | 2.54  | 1.25      | 2.32 | 2.54 |     |   |   |
| Temperature              | Celsius  | 9.4      | 18.6  | 27.8  |           |      |      |     |   |   |
| Conductivity             | umhos/cm | 148      | 354   | 485   |           |      |      |     |   |   |
| pH                       | su       | 6.9      | 74.7  | 803.0 |           |      |      |     |   |   |
| Field Comments           |          |          |       |       |           |      |      | Dry |   |   |
| Lab Parameters           | UNITS    |          |       |       |           |      |      |     |   |   |
| Bicarbonate              | mg/L     | 75.6     | 203.8 | 280.6 |           |      |      |     |   |   |
| Carbonate                | mg/L     | 39.5     | 39.5  | 39.5  |           |      |      |     |   |   |
| Chloride                 | mg/L     | <MDL     | 7     | 14    |           |      |      |     |   |   |
| Conductivity             | umhos/cm | 160      | 357   | 499   |           |      |      |     |   |   |
| Hardness                 | mg/L     | 70       | 162   | 234   |           |      |      |     |   |   |
| pH                       | su       | 6.9      | 7.8   | 9.4   |           |      |      |     |   |   |
| ResidueFilterable-TDS    | mg/L     | 95       | 202   | 270   |           |      |      |     |   |   |
| ResidueNonFilterable-TSS | mg/L     | 4        | 77    | 536   |           |      |      |     |   |   |
| SAR                      |          | 0.21     | 0.42  | 0.71  |           |      |      |     |   |   |
| Sulfate                  | mg/L     | <MDL     | 14    | 29    |           |      |      |     |   |   |
| Calcium (Dissolved)      | mg/L     | 13       | 30    | 54    |           |      |      |     |   |   |
| Magnesium (Total)        | mg/L     | 6        | 21    | 29    |           |      |      |     |   |   |
| Sodium (Dissolved)       | mg/L     | 4        | 13    | 21    |           |      |      |     |   |   |
| Potassium                | mg/L     |          |       |       |           |      |      |     |   |   |
| TDS Ratio (grav./calc.)  |          |          |       |       |           |      |      |     |   |   |

\* No data provided in field notes

Note: Site in accesible 1Q due to snow levels



# 2022 ANNUAL HYDROLOGIC MAP



BOWIE RESOURCES, LLC  
BOWIE NO. 2 MINE  
P.O. BOX 483  
PAONIA, COLORADO 81428  
PERMIT C-1996-083

PREPARED BY:





