

# OXBOW MINING, LLC

3737 Hwy 133 P.O. Box 535 Somerset, Colorado 81434 USA Tel (970)929-5122 Fax  
(970)929-5177



March 9, 2023

Mr. Leigh Simmons  
Environmental Protection Specialist  
Colorado Division of Reclamation, Mining and Safety  
1313 Sherman Street, Room 215  
Denver, CO 80203

Re: 2022 Annual Hydrology Report  
CDRMS Permit C-1981-022, Oxbow Mining, LLC

Dear Mr. Simmons:

Please find enclosed one copy of the Annual Hydrology Report for the year 2022.

The report and site descriptions follow the format of the revised hydrologic monitoring program approved as a result of the PR-04 Permit Revision and TR-47.

Please contact me if you have any questions concerning the contents of the report.

Sincerely,

Doug A. Smith  
Chief Engineer

Enclosures

Xc: Mike Ludlow (OMLLC)  
files

# OXBOW MINING, LLC



3737 Hwy 133 P.O. Box 535 Somerset, Colorado 81434 USA Tel (970)929-5122 Fax (970) 929-5177

Via email

March 9, 2023

Mr. Greg Larson  
Field Office Manager  
BLM Uncompahgre Field Office  
2465 S. Townsend Avenue  
Montrose, CO 81401

Mr. Levi Broyles  
District Ranger  
Paonia Ranger District  
PO Box 1030  
Paonia, CO 81428

Re: 2022 Annual Hydrology Report  
CDRMS Permit C-1981-022, Oxbow Mining, LLC

To Whom It May Concern:

In accordance with the requirements of Federal Coal Lease COC- 61357, *Special Stipulation Section 15(d)(1) Water Replacement Plan*, please find attached one copy of the Oxbow Mining, LLC., CDRMS Annual Hydrology Report for the year 2022.

Please contact me at 970-929-6034 if you have any questions concerning the contents of the report.

Sincerely,

Doug A. Smith  
Chief Engineer

Enclosures

Xc: Mike Ludlow (OMLLC)  
Foster Beckett (BLM)  
Dan Gray (USFS)

Files



**2022 ANNUAL**  
**HYDROLOGY REPORT**

**OXBOW MINING, LLC**

**ELK CREEK MINE**

**CDRMS PERMIT C-1981-022**

## TABLE OF CONTENTS

|     |                                                             |    |
|-----|-------------------------------------------------------------|----|
| 1.0 | Annual Hydrology Report – Sanborn Creek and Elk Creek Mines |    |
| 1.1 | Introduction .....                                          | 1  |
| 1.2 | Monitoring Information.....                                 | 2  |
| 2.0 | Monitoring Requirements.....                                | 4  |
| 2.1 | Hydrologic Monitoring Parameters.....                       | 4  |
| 2.2 | Hydrologic Monitoring Schedule.....                         | 5  |
| 3.0 | Surface Water Information.....                              | 6  |
| 4.0 | Seep and Spring Information.....                            | 12 |
| 5.0 | Ground Water Information.....                               | 13 |
| 6.0 | Mine Water Information.....                                 | 20 |

Exhibit No. 1 – Surface Water Information

Exhibit No. 2 – Ground Water Information

## 1.1 Introduction

Oxbow Mining, LLC owns the now closed and reclaimed Elk Creek and Sanborn Creek Mines. The surface facilities for the mines are located immediately north of the town of Somerset, Colorado in Gunnison County. The Sanborn Creek Mine portals were located about one mile east and the Elk Creek Mine portal is located about a half mile north of the office facilities, the town of Somerset and State Highway 133. Coal from both mines had been conveyed to surface facilities where storage, processing (screening and crushing) was conducted. The coal was then loaded onto unit train rail cars for shipment to customers. A limited amount of coal had historically been transported by highway truck from the facilities to a nearby loading and crushing facility (Terror Creek Loadout) where sized coal products were provided to customers. In early 2003 the Sanborn Creek mine completed mining of the last longwall panel, the mining equipment was removed and the mine was sealed and the portals reclaimed. In 2015 the Elk Creek Mine portals were sealed and demolition, backfill and grading was completed in 2018.

The Sanborn Creek and Elk Creek Mines' surface facilities are located within the North Fork of the Gunnison River drainage, which is a tributary to the Colorado River. The North Fork drainage ranges in elevation from 5,550 feet to 12,000 feet and drains 1,253 square miles. The average annual discharge of the North Fork of the Gunnison River at the U.S. Geological Survey gauging station 2.3 miles east of Somerset is 313,300 acre feet of water, or an average discharge of 457 cubic feet per second. Peak flows generally occur in May as a result of snowmelt with minimum flows occurring during the winter months.

Surface drainage from the CDRMS permit area runs directly to the North Fork of the Gunnison River. One perennial, one intermittent, and eleven ephemeral creeks and gulches drain the permit area. From west to east, the creeks shown on CDRMS permit drawing 2.04-M6 are known as:

|                  |              |
|------------------|--------------|
| Hubbard Creek    | Perennial    |
| Bear Creek       | Ephemeral    |
| Elk Creek        | Ephemeral    |
| Sanborn Creek    | Ephemeral    |
| Unnamed Drainage | Ephemeral    |
| Coal Gulch       | Ephemeral    |
| A-Gulch          | Ephemeral    |
| B-Gulch          | Ephemeral    |
| C-Gulch          | Ephemeral    |
| Hawksnest Creek  | Ephemeral    |
| Hoopla Gulch     | Ephemeral    |
| Bardine Canyon   | Ephemeral    |
| Thompson Creek   | Intermittent |

## 1.2 Monitoring Information

The hydrologic monitoring parameters and the schedules for the hydrologic monitoring programs are presented in Section 2. The monitoring sites, parameters and schedules have evolved over time as the facility has evolved and changed. The current monitoring program was substantially modified in 2001 per Permit Revision PR-04 and further modified in TR-47 in 2004. The current monitoring program can be found in Exhibit 2.05-E7 – Hydrologic Monitoring Plan of the CDRMS permit.

Field parameters for groundwater are depth to water level, pH, conductivity, and temperature. Field parameters for surface water are flow, pH, conductivity, dissolved oxygen, and temperature. Equipment and methods used to measure the field parameters include:

- Depth to water level - A cable marked in increments is lowered into the groundwater monitoring well until electrical continuity is reached at the water surface.
- pH – An Oakton Instruments pH Testr basic pocket-size tester is used to measure the pH of a water sample. Published specifications for the pH Testr are range: pH - 0.0 to 14.0, resolution: 0.1 pH, accuracy:  $\pm 0.1$  pH, automatic temperature compensation, up to 3 point calibration. The pH tester is calibrated prior to sampling events using the 2 point method. The expected pH is bracketed by the pH of the calibration solutions. In most cases the pH tester is calibrated to 7 and 10 which brackets all of the current monitoring results. If an expected pH is less than 7, the pH tester can be calibrated at 4 and 7.
- Conductivity - A Cole Parmer pocket-size TDS Testr 3 or TDS Testr 4 is used to measure the conductivity of a water sample. Published specifications for the TDS Testr 3 are range: 0 to 1990 uS, resolution 10 uS, accuracy:  $\pm 2\%$  full scale, automatic temperature compensation: 0 to 50 degrees C, calibration with standard solution. Published specifications for the TDS Testr 4 are range: 0 to 19.90 mS, resolution: 0.1 mS, accuracy:  $\pm 2\%$  full scale, automatic temperature compensation: 0 to 50 degrees C, calibration with standard solution. In 2021, An Ohaus ST20C-B was purchased to replace the failed Testr 3, as it has similar specifications and functions.
- Temperature - A standard mercury thermometer that measures temperature in degrees Celsius is used.
- Flow - The flow is measured in one of four different ways. The first method is to utilize a known culvert size combined with the depth of flow and the velocity determined by measuring the time it takes a floating object to travel a known distance or using a flow meter. The second method is to time flow into a bucket of known size. The third is to measure the length, width, depth, and the velocity of a stream of water or sum the flows measured in segments of a larger stream of water. The fourth way, used to find the flow of the North Fork of the Gunnison, is obtained from the nearby USGS gauging station or alternative if the station is not available.
- Dissolved Oxygen – An EXTECH Model 407510 Dissolved Oxygen Meter is used to measure dissolved oxygen with a remote sensor also containing a thermistor for measuring temperature. The DO range is 0.0 – 19.9 mg/l  $\pm 0.4$  mg/l with 0.1 mg/l resolution. Before use, the meter is calibrated according to the meter calibration procedure. This meter also provides temperature readings in F or C degrees.

Historically, water samples from groundwater wells H-10 and B-6 had been taken with a bailer that had a restricted inlet. The bailer is weighted so it sinks to the bottom of the well when it is empty. The water flowed into the bailer slowly so a sample of the water from the bottom of the well was obtained. It was not possible to purge wells H-10 and B-6 because they were connected to the flooded mine workings. With the exception of 2009, H-10 well has been dry resulting in no samples being obtained. Because of mine development activities in the Bear Creek drainage during 2004, B-6 was sealed.

Typically, water samples from groundwater wells are obtained with a bailer after the wells have been bailed to remove the equivalent of at least one volume of water from the wells. Because of regional drought conditions a number of wells often experience lowered water levels and reduced inflows. Some wells simply continue to monitor limited water containing zones. In such cases, water levels may often be obtained but water samples are not available. Often, limited volumes of water are obtained with the bailer and some samples may contain sediment moved from the “disturbed” bottom of the well.

Pre 2010, SGS (formerly Commercial Testing & Engineering Co.) of Denver, Colorado, completed the laboratory analyses of the water samples. Post 2010, Enviro Chem Analytical, Inc. of Grand Junction, Colorado completed the laboratory analysis.

These analyses are summarized on the tables and graphs found in this report. The original copies of the laboratory analytical results are stored in the OMLLC offices and are available for inspection by CDRMS during complete quarterly inspections. Copies of the specific laboratory reports are also available upon request.

2013 was the year where the mine was sealed in January because of a spontaneous combustion event in the longwall gob. Attempts to recover the mining equipment were thwarted in September 2013 when the mine was reopened and the spontaneous combustion later re-ignited. The portion of the mine containing the longwall was resealed and mine was temporarily idled on December 5, 2013. In December of 2015, the portals to the Elk Creek Mine were sealed and backfilled. The shafts were backfilled and capped. From November 2017 to March of 2018, the middle pad of the Elk Creek Mine property was reclaimed, and the creek bed was restored in this area. During May 2018 to September 2018, the lower pad, which was used for coal storage and handling, was reclaimed and the creek bed was restored in this area as well.

## 2.0 Monitoring Requirements

### 2.1 Hydrologic Monitoring Parameters

The ongoing water quality monitoring parameters list is presented in Table 2.04.7-T1 (page 2.04-41) and Exhibit 2.05-E7 of the OMLLC permit and presented again as follows.

| <u>Ground Water</u>         |              | <u>Surface Water</u>        |                |
|-----------------------------|--------------|-----------------------------|----------------|
| <u>Parameter</u>            | <u>Units</u> | <u>Parameter</u>            | <u>Units</u>   |
| Water Level (Field)         | feet         | Flow                        | gpm/cfs        |
| pH (field & lab)            | standard     | pH (field & lab)            | standard units |
| Conductivity(field and lab) | uS/cm        | Conductivity(field and lab) | uS/cm          |
| Temperature                 | celsius      | Temperature                 | celsius        |
|                             |              | *Dissolved Oxygen           | mg/l           |
| Total Dissolved Solids(TDS) | mg/l         | Total Dissolved Solids(TDS) | mg/l           |
|                             |              | Total Suspended Solids(TSS) | mg/l           |
| Alkalinity                  | mg/l         | Alkalinity                  | mg/l           |
| Ammonia                     | mg/l         |                             |                |
| Bicarbonate                 | mg/l         | Bicarbonate                 | mg/l           |
| Calcium                     | mg/l         | Calcium (Tot)               | mg/l           |
|                             |              |                             |                |
| Carbonate                   | mg/l         | Magnesium(Tot)              | mg/l           |
| Chloride                    | mg/l         | Chloride                    | mg/l           |
| Nitrate/Nitrite             | mg/l         | Nitrate/Nitrite             | mg/l           |
| Phosphate                   | mg/l         | Phosphate                   | mg/l           |
| Sodium (Dis)                | mg/l         | Sodium (Dis)                | mg/l           |
| Sulfate                     | mg/l         | Sulfate                     | mg/l           |
| Arsenic (Dis)               | mg/l         |                             |                |
| Cadmium (Dis)               | mg/l         |                             |                |
| Iron (Dis)                  | mg/l         | Iron (Dis)                  | mg/l           |
| Iron (Tot)                  | mg/l         | Iron (Tot)                  | mg/l           |
| Manganese (Dis)             | mg/l         |                             |                |
| Manganese (Tot)             | mg/l         | Oil and Grease              | visual         |
| Zinc (Dis)                  | mg/l         |                             |                |

Note: The August water sample for the two North Fork of the Gunnison River sites will also be analyzed for the parameters of hardness, ammonia, cyanide, arsenic, silver, boron, cadmium, chromium III and IV, chlorine, mercury, manganese (dis), nickel, lead, selenium and zinc.

Tot = Total Recoverable

Dis = Dissolved

\* Dissolved Oxygen – Dissolved oxygen will be monitored only for streams.

## 2.2 Hydrologic Monitoring Schedule

CDRMS Permit Revision PR-04 and TR-47 provide the most recent modification and definition to the ongoing hydrologic monitoring program. The following list describes the present monitoring sites.

| <u>Station</u>                     | <u>Frequency</u> | <u>Elevation</u> | <u>Location</u>       | <u>Water Type</u>                                             |
|------------------------------------|------------------|------------------|-----------------------|---------------------------------------------------------------|
| <b><u>Wells</u></b>                |                  |                  |                       |                                                               |
| BC-1                               | Note 3           | 6000             | Lower Bear Creek      | Colluvial Well – Down Gradient                                |
| EC-14                              | Note 3           | 6400             | Upper Elk Creek       | Colluvial Well – Up Gradient                                  |
| EC-15                              | Note 3           | 6300             | Mid Elk Creek         | Colluvial Well – Mid Gradient                                 |
| H-10                               | Note 3           | 6376             | Hubbard Creek         | Ground Water – Down Gradient<br>Somerset Mine B seam workings |
| SC-1                               | Note 3           | 6106.1           | Drill hole            | Ground Water – Rollins SS                                     |
| SC-3                               | Note 3           | 6227.8           | Drill hole            | Ground Water – D Seam                                         |
| D2B                                | Note 7           | 6415             | Upper Elk Creek       | D to B Seam Water Transfer Well                               |
| D2B2                               | Note 7           | 6385             | Hubbard creek         | D to B Seam Water Transfer Well                               |
| <b><u>Streams</u></b>              |                  |                  |                       |                                                               |
| B-1                                | Note 1           | 6000             | Lower Bear Creek      | Surface Water – Down Gradient                                 |
| B-2                                | Note 8           | 6800             | Mid Bear Creek        | Surface Water – Down Gradient                                 |
| B-3                                | Note 8           | 7400             | Upper Bear Creek      | Surface Water – Up Gradient                                   |
| C-1                                | Note 1           | 6070             | Lower Coal Gulch      | Surface Water – Down Gradient                                 |
| E-1                                | Note 1           | 6000             | Lower Elk Creek       | Surface Water – Down Gradient                                 |
| E-2                                | Note 1           | 6400             | Upper Elk Creek       | Surface Water - Up Gradient                                   |
| H-1                                | Note 1           | 6100             | Lower Hubbard Creek   | Surface Water – Down Gradient                                 |
| HN-1                               | Note 1           | 6200             | Hawksnest Creek       | Surface Water – Down Gradient                                 |
| NF-1                               | Note 2           | 6080             | N. Fk. Gunnison River | Surface Water – Up Gradient                                   |
| NF-3                               | Note 2           | 5910             | N. Fk. Gunnison River | Surface Water – Down-gradient                                 |
| S-1                                | Note 1           | 6080             | Upper Sanborn Creek   | Surface Water – Up Gradient                                   |
| USGS Gage                          | Note 6           | 6080             | N. Fk Gunnison River  | Surface Water                                                 |
| <b><u>Springs and Seeps</u></b>    |                  |                  |                       |                                                               |
| SP-8                               | Note 4           | 6200             | Spring                | Ground Water – slump feature                                  |
| SP-9                               | Note 4           | 6200             | Spring                | Ground Water – slump feature                                  |
| <b><u>Mine Water Discharge</u></b> |                  |                  |                       |                                                               |
| Outfall 015                        | Note 5           | 6400             | Elk Creek Mine        | Mine Water                                                    |

### NOTES:

1. Monthly flow and field parameters - April through October. One full suite analysis during 2<sup>nd</sup> and 3<sup>rd</sup> quarters if available.
2. Same as Note 1 plus monthly field parameters and 4<sup>th</sup> quarter full suite analysis.
3. Field parameters twice, June through October. Full suite 3<sup>rd</sup> quarter if sample is available.
4. Discharge and field parameters twice during June through October.
5. CDPS requirements including quarterly WET testing.
6. USGS Gage used for stream flow purposes only.
7. D to B Seam water transfer well D2B is monitored for annual flow, TSS, pH and water level twice/year. D2B2 well is sealed
8. B-2 and B-3 are surface flow and field parameters only.

### 3.0 Surface Water Information

The data collected from Oxbow Mining, LLC (OMLLC) surface water monitoring sites along with the results of laboratory analyses are presented in Exhibit 1- Surface Water Information.

The following site discussions are presented from west to east through the OMLLC property.

Chloride levels were slightly elevated in Bear Creek, Elk Creek and in the North Fork of the Gunnison River. This is possibly due to the continued drought conditions in the area. Hubbard Creek, which has reservoir controlled flows, did not see this trend, yet.

#### H-1 – Lower Hubbard Creek

Surface water monitoring point H-1 is located on Hubbard Creek, where this perennial stream flows through the western edge of the OMLLC permit area associated with the abandoned but reclaimed Somerset Mine facility area and Blue Ribbon Mine Facility. Until 1996, the most recent surface activity in the area was the reclamation of the lower Hubbard Creek site. Mining activities also included the upper Hubbard Creek facilities area and the reclaimed Blue Ribbon Mine facility. In 2005 the Hubbard Bleeder Fan site, associated with the Elk Creek Mine, was permitted and constructed. During 2007, Bowie Resources, Ltd started construction of a ventilation shaft facility on lands managed by the USFS. The Bowie site is located adjacent to Hubbard Creek and up gradient of the Hubbard Creek facilities. The Bowie shaft construction continued into 2008 as did use of the upper Hubbard Creek facilities as a project staging area. Hubbard Creek is a stream that also serves as a trans-basin diversion from the Terror Creek reservoir during the summer irrigation season. The Hubbard Creek drainage and the Delta County two track road is also used extensively by USFS and BLM recreationists and other Bowie Resources mining related activities.

During 2009, the Blue Ribbon Mine received final Phase III bond release from CDRMS. Oxbow initiated reclamation rough grading of the Hubbard Fansite in 2010 and completed reclamation and seeding in 2011. In 2021, the Hubbard Fansite achieved phase 3 bond release. The Bowie Hubbard Shaft was reclaimed and seeded in 2011.

The H-1 site is, in theory, utilized as a down gradient site to detect potential changes in stream quality or quantity as a result of mining activities. Hubbard Creek point H-1 was monitored in accordance with the permit requirements. Hubbard Creek continues to exhibit summer flow volumes in response to the management of upstream diversions and regional snow conditions. Hubbard Creek flows had normal flows during 2022. No significant difference in the 2022 monitoring results from baseline or historical measurements were noted. There appears to be no mining related impacts.

#### B-1, B-2 and B-3 – Bear Creek

The Bear Creek canyon light use road is used extensively to access the upper reaches of Bear Creek for cattle and sheep grazing, logging, hunting, mine exploration and borehole reclamation activities, natural gas operation and support companies, etc.

B-1 -- Surface water monitoring point B-1 - Lower Bear Creek, an ephemeral drainage, is monitored as a down gradient site to “verify” that the Elk Creek mine does not have an adverse effect on the quality of runoff in the drainage. During 2022, there was typical flow to no flow at B-1 after the conclusion of spring snowmelt.

Retreat mining of D seam ended under the Bear Creek drainage during 2008. The status of the Bear Creek Road is assessed as part of ongoing subsidence monitoring. No adverse effects as a result of mining activities (or the multitude of other uses) were observed to have occurred to the Bear Creek Road or Bear Creek water quality in 2022. From a historical perspective it is important to remember that, in addition to all of the surface uses of the Bear Creek drainage, the Bear Creek drainage was also undermined by extensive historic mine workings in the B and C seam of the Somerset Mine.

B-2 and B-3 -- In accordance with the Elk Creek Federal Coal Lease COC-61357 “Water Replacement Plan” stipulation, surface water monitoring points B-2 and B-3 are monitored for flow twice annually after tributary flow from side channels between the two points has ceased. B-2 corresponds to a mid-Bear creek location roughly corresponding to the south limit of the Elk Creek Federal Coal Lease. B-3 corresponds to an upper Bear Creek location roughly corresponding to the north limit of the Elk Creek Federal Coal Lease. Generally, due to the ephemeral nature of Bear Creek and the propensity for flows to quickly cease by late June, flow measurements are most often obtained in mid-June.

The information is collected to aid in analyzing 1) potential water depletions and 2) potential for injury to any Bear Creek water rights. Bear Creek stream flows ceased during the usual mid to late June timeframe. A spike in 2011 total iron levels appeared tied to TSS and seemed “normal” in 2014. A spike in 2012 chloride level occurred for no apparent reason and again in 2017 and 2018. No mine activity was performed within the Bear Creek drainage during 2018. Some 2009, 2010 and 2011 reduced levels of sodium, calcium, conductivity, TDS, and bicarbonate alkalinity appeared to remain at historic levels. The orthophosphate spike remains under the minimal 0.09 mg/l level. Here the importance in the role of the scale of the Y axis seems to predominate. Analysis of the 2022 data, as well as subsidence monitoring and observations in the field, suggests no significant anomalies or any indication of adverse effects attributable to mining activities.

## BEAR CREEK FLOW INFORMATION

| Date          | Site B-2   | Site B-3   |
|---------------|------------|------------|
| June 10, 2003 | 0.25 cfs   | 0.21 cfs   |
| June 16, 2003 | 0.097 cfs  | 0.088 cfs  |
| June 15, 2004 | 0.02 cfs   | 0.041 cfs  |
| June 22, 2004 | 0.0 cfs    | 0.0174 cfs |
| June 15, 2005 | 1.036 cfs  | 1.085 cfs  |
| June 30, 2005 | 0.39 cfs   | 0.13 cfs   |
| June 7, 2006  | 0.047 cfs  | 0.033 cfs  |
| June 13, 2006 | Trace flow | Trace flow |
| June 15, 2007 | 0.21 cfs   | 0.34 cfs   |
| June 28, 2007 | Trace flow | Trace flow |
| June 18, 2008 | 1.29.cfs   | 0.72 cfs   |
| June 25, 2008 | 0.49 cfs   | 0.67 cfs   |
| June 17, 2009 | 0.55 cfs   | 0.46 cfs   |
| June 25, 2009 | 0.65 cfs   | 0.63 cfs   |
| June 4, 2010  | 3.3 cfs    | 1.5 cfs    |
| June 11, 2010 | 0.67 cfs   | 0.67 cfs   |
| June 14, 2011 | 2.3 cfs    | 1.85 cfs   |
| June 28, 2011 | 1.35cfs    | 1.92 cfs   |
| June 8, 2012  | 0.0 cfs    | 0.0 cfs    |
| June 13, 2012 | 0.0 cfs    | 0.0 cfs    |
| June 3, 2013  | 0.257 cfs  | 0.22 cfs   |
| June 24, 2013 | 0.0 cfs    | 0.0 cfs    |
| June 12, 2014 | 0.5 cfs    | 0.63 cfs   |
| June 17, 2014 | 0.42 cfs   | 0.12 cfs   |
| June 16, 2015 | 0.3 cfs    | 0.62 cfs   |
| June 24, 2015 | 0.13 cfs   | 0.13 cfs   |
| June 10,2016  | 0.23 cfs   | 0.18 cfs   |
| June 23, 2016 | 0.0 cfs    | 0.0 cfs    |
| June 6, 2017  | 1.2 cfs    | 1.4 cfs    |
| June 13, 2017 | 0.65 cfs   | 0.74 cfs   |
| May 14, 2018  | .05 cfs    | .05 cfs    |
| June 23, 2018 | 0.0 cfs    | 0.0 cfs    |
| June 7, 2019  | 4.7 cfs    | 4.7 cfs    |
| June 20, 2019 | 2.4 cfs    | 2.4 cfs    |
| June 2, 2020  | .07 cfs    | .09 cfs    |
| June 12, 2020 | .02 cfs    | .02 cfs    |
| June 11,2021  | .01 cfs    | .01 cfs    |
| June 18, 2021 | 0.0 cfs    | 0.0 cfs    |
| June 7, 2022  | 0.2 cfs    | 0.03 cfs   |
| June 30, 2022 | 0.3 cfs    | 0.03 cfs   |

### E-1- Lower Elk Creek

Surface water monitoring point E-1 - Lower Elk Creek, an ephemeral drainage, is monitored as a down gradient site to verify that the Elk Creek Mine and the surface facility located at Somerset does not have an adverse effect on the quality of runoff in the drainage. During spring snowmelt, elevated levels of TSS and Total Recovered Iron are routinely encountered, presumably from natural upstream erosion in the unstable Elk Creek drainage, until stream flows subside. Naturally occurring slide blocks exist in the Elk Creek headwaters and no doubt contribute additional sediment loading.

Of particular note are the possible lingering effects of pumping the two mine recovery boreholes #1 and #2 during 3 months in 2013. Elevated levels of TDS from naturally occurring alkalinity were noted in the E-1 sampling during 2013. The additional pumping flows extended the 2013 runoff period in Elk Creek. Elevated dissolved solids raised conductivity measurement during pumping, but quickly returned to “normal” after pumping was terminated on September 9, 2013. Data beyond 2014 indicate no lingering effects from the pumping. The boreholes were sealed in 2015. The road and pad for these holes were reclaimed and seeded in 2016.

Mine activities in 2017 included reclamation of drill hole pads and roads above the Elk Creek drainage. This minimal activity should not have impacted the creek, but chloride levels appear to be elevated for both E-1 Lower Elk Creek and for E-2 Upper Elk Creek in 2017, 2018, 2019 and into 2021. E-2 chloride levels, which is upstream of actual mine facilities, typically are higher or match the E-1 levels downstream of the mine facilities. This would indicate that restoration of portions of the Elk Creek stream channel during 2017 and 2018 had no effect on sample results. 2019 saw very high flows due to high snow pack levels.

An analysis of the data suggests there is no adverse impact of the Elk Creek Mine to Lower Elk Creek.

### E-2- Upper Elk Creek

Surface water monitoring point E-2 - Upper Elk Creek, an ephemeral drainage, is monitored to verify that the Elk Creek mine does not have an adverse effect on the quality of runoff in the drainage. In addition, the site will serve as an up-gradient site to monitor Elk Creek prior to entering the OMLLC surface facility. See the above comments for site E-1 for the discussion on the dewater recovery boreholes.

An elevated September 2014 and July 2015 chloride levels appear to be anomalies, as the down dip site does not show a similar chloride level. An analysis of the data suggests there is no adverse impact of the Elk Creek Mine to the upper Elk Creek site or the segment of Lower Elk Creek in particular. See above in E-1 for discussion on 2021 chloride levels.

### S-1 – Upper Sanborn Creek and S-2 – Lower Sanborn Creek

Surface water monitoring points S-1 - Upper Sanborn Creek and S-2 – Lower Sanborn Creek were established to monitor the flow in ephemeral Sanborn Creek above and below the disturbed area of the Sanborn Creek Mine site. Historically, Sanborn Creek also received mine water discharge from the Sanborn Creek Mine, consisting primarily of natural mine water inflows and some runoff of imported (from the North Fork intake) water from the mining sections. The mine water discharge (CDPS discharge point 011) commingled with upper Sanborn Creek flow for a distance of approximately 300 feet through culverts under the railroad and highway prior to discharging into the North Fork of the Gunnison River. The S-2 sample site is located at the outlet of the culvert, prior to the confluence with the river. Because of the 2003 closure of the Sanborn Creek mine, and the termination of discharge Outfall point 011, the S-2 sample site was no longer needed and, thus, eliminated from the OMLLC hydrologic monitoring program in 2004. (see TR-45).

Sanborn Creek, an ephemeral stream, flows at monitoring point S-1 during spring runoff and significant precipitation events. During 2019, S-1 had slightly higher than normal flows and ran through June. In 2021, flow stopped in April, so no lab analysis is available. An analysis of the limited data shows somewhat elevated magnesium in 2014. The data is variable but suggests there is no adverse impact of the Sanborn Creek Mine to Sanborn Creek.

### C-1 – Lower Coal Gulch

Surface water monitoring point C-1 - Lower Coal Gulch, an ephemeral drainage, is monitored to verify that the Sanborn Creek mine does not have an adverse effect on the quality of runoff in this drainage. During 2021 there was, again, minimal flow in Coal Gulch during spring snowmelt, and no flow after snowmelt was completed. No lab analysis was conducted. Elevated levels of chloride are noted in 2016 through 2019. An analysis of all of the data suggests there is no adverse impact of the Sanborn Creek mine to Lower Coal Gulch.

### NF-1 and NF-3 – North Fork of the Gunnison River

Surface water monitoring points NF-1 (North Fork upstream) and NF-3 (North Fork downstream) were selected to monitor the water quality in the North Fork of the Gunnison River above and below the disturbed surface mine site of the Sanborn Creek and Elk Creek Mines. Monitoring point NF-3 was established in September 1997 to monitor for any mining-related water quality impacts from the West Valley coal refuse pile. It should be noted that NF-3 is also downstream from the town of Somerset and monitoring results for this station most likely include impacts from domestic water use, possible leakage from sanitary sewers, the Bear Mine discharges, and other factors that are not related to the Sanborn Creek or Elk Creek Mines. Similarly, both sample locations are located downstream of the adjacent Mountain Coal Company, West Elk Mine discharge points and potentially other less distinct historic mine discharges scattered along the river.

Flow in the river reflects natural seasonal flows from upland drainages plus regulated flows from Paonia Reservoir and significant other upland irrigation water storage facility releases during the summer irrigation season. During 2019, flows appear to be consistent with flows measured in 2018. During September of 2017 river flows contained significant amounts of sediment from sediment scouring activities of the Paonia Reservoir. Summer and early fall flows reflect discharges from upland storage reservoirs used downstream by the water rights holders. Irrigation water return from upstream agriculture activities does also occur. Charted cyanide levels are related to the Lab MDL. No significant changes were noted, however, in the analytical data. There is nothing in the data to suggest adverse impact by the Elk Creek Mine or Sanborn Creek Mine to the River.

The water flows for the North Fork are obtained from the USGS Gauging station located on the river upstream of the mine. Discussion took place with USGS regarding the future of the station in light of funding challenges. If the data from the station becomes unavailable, some other mechanism may have to be employed for flow data.

#### HN-1 – Lower Hawk’s Nest Creek

Surface water monitoring site HN-1 Lower Hawk’s Nest Creek, is monitored to verify that the Sanborn Creek Mine does not have an adverse effect on the quality or quantity of runoff from this ephemeral drainage. During 2021 there was, again, minimal flow in Hawk’s Nest Creek during spring snowmelt, and no flow after snowmelt was completed. Higher sulfate levels seen in 2011 appeared to return to normal in 2013. In 2019, sulfate again began to rise and the 2021 sulfate level is similar to the level in 2011. An analysis of the data suggests there is no adverse impact of the Sanborn Creek Mine to Lower Hawk’s Nest Creek.

## 4.0 SEEP AND SPRING INFORMATION

Two spring monitoring points, SP-8 and SP-9 are monitored and the results compared with baseline and historic monitoring data. A significant change in the quality or quantity of flow from these springs and seeps after retreat mining might indicate that the Sanborn Creek Mine might be impacting these water resources.

The data collected from Oxbow's groundwater monitoring stations, along with the results of laboratory analyses are presented in Exhibit 2 – Groundwater Information.

### Spring SP-8

Based on the quality and location of spring SP-8, it was determined that the source of the spring was the abandoned Oliver Mine. Until 1999, flows from this spring were relatively consistent. No flows were recorded during any of the 2001 through 2014 monitoring events. Based solely upon coincidence, Oxbow believes that water from the Oliver Mine may have drained into the Sanborn Creek mine at the time of the 1999 mine fire event. Since this event occurred, no flow from spring SP-8 has been recorded.

### Spring SP-9

Spring SP-9 is a seep located at the base of a landslide feature in the Unnamed Gulch. Historically, flow had been nearly continual, but at very low rates. The source of the spring appears to be a shallow perched water zone discharging from the toe of a surface slide feature. During 2021 the spring SP-9 did not flow.

## 5.0 Ground Water Information

The data collected from Oxbow's groundwater monitoring sites, along with the results of laboratory analyses are presented in Exhibit 2 – Groundwater Information.

The following site discussions are presented from west to east through the OMLLC property.

### H-10 Well – B-Seam – Somerset Mine Workings – Hubbard Creek Drainage

The sealing of the abandoned, historic Somerset Mine portals has precluded access into the mine to obtain underground mine water samples from those abandoned workings. Instead, since the Somerset mine was closed in 1985, monitoring wells H-10 and B-6 had historically been utilized to monitor potential groundwater inflow and quality in order to predict the extent of flooding in the abandoned underground workings. Monitoring water levels in these two wells served as a valuable predictive tool as to whether water from flooded mine workings could impact the hydrologic balance.

The H-10 well is located in Hubbard canyon near the western limit of underground B seam mining of the Somerset mine and near the north or down-gradient limit of the old mine workings in that specific area. The elevation of the B seam in the well is ~ 6018 feet. From 1987 to 1989, the water level in H-10 held steady at about elevation 6028 feet, and then in 1992 rose to approximately 6068 feet in elevation. From 1989 until 1999, the water level ranged from 6067 feet to 6069 feet in elevation. In October 1999 and 2000 through 2008 no water could be measured in the well. In 2009 the water level elevation was found to have reestablished and ranged from 6088.7' to 6090'. In 2010 through 2022, no water has been measured in the well.

Starting in 2006, the H-10 well was to have been used to monitor any B seam water level resulting from the transfer of water from the D seam workings to the B seam workings through borehole D2B2 located in the vicinity of the Hubbard Fansite. As of the data year 2008, no water level had been encountered in H-10. With the sealing of the western mining district and sealing of the Hubbard shaft on October 12, 2008, the pumping of water to D2B2 was halted.

The reestablishment of a water level in the well in 2009 likely indicated inflow into the abandoned mine workings in this vicinity. A comparison of the 2009 water quality data versus the earlier pre-1997 data indicates little change with the exception of increased dissolved and total iron concentrations and increased dissolved solids concentration, primarily as calcium. A lack of a water level in 2010 through 2019 indicates the variable nature of the ground water in the vicinity.

### B-6 Well – B Seam – Somerset Mine Workings – Bear Creek Drainage

The B-6 monitor well is no longer in service and the following discussion is presented for historical reference.

“The B-6 well is also located in a down-gradient location in the abandoned Somerset Mine workings in the vicinity of Bear Creek canyon. The elevation of B seam in this vicinity is ~5925

feet. In monitoring the B-6 well, the historical fluctuation of water levels has been different than experienced in well H-10. After initially rising to elevation 6035 feet, the water level fell to elevation 6014 feet in 1990. Water levels then recovered, with an increase to elevation 6033 feet in 1992, and rising to elevation 6051 feet in 1993. The water level ranged from 6038 feet to 6048 feet in 1994 and 1995, and then rose to elevation 6054 feet in 1997. In 1998 the water level ranged between 6052 and 6053 feet in elevation.

Similar to monitoring well H-10, since October 1999 and during 2000 through 2004 no water was measured in well B-6. The lack of water in the H-10 and B-6 wells may be due to a blockage or another problem in the wells. The scenario that both wells failed at the same time appears, however, unlikely. Performance and condition of the bailer when raised during sampling do not suggest the wells were blocked.

A more plausible explanation is that because these two wells are located in two different drainages and both are dry suggests that the water level, thus inflow, into the abandoned Somerset Mine has simply decreased for some unknown reason. Curiously, this decrease is coincident with the time of the mine fire event and pumping from the North Fork into the Sanborn Creek Mine. Flows also ceased just a few months earlier from Spring 8 (believed to have been from the old Oliver Mine D-seam workings).

However, unlike the Oliver Mine, there is no portion of the abandoned B- and C-seam workings of the Somerset Mine that overlie the Sanborn Creek Mine. Rather, there is more than 200 horizontal feet of unmined B-seam coal barrier pillar separating and isolating the Somerset Mine B workings from the Sanborn Creek mine B workings.

OMLLC has held the belief through the years that should wells H-10 and B-6 continue to remain dry, the data supports the conclusion that the Somerset mine will continue to have a negligible affect on the hydrologic balance of the region. (See the following discussion regarding the D2B water transfer well for additional ground water discussions.)

In the fall of 2004, the Elk Creek Mine D seam development was to have intercepted the vicinity of the B-6 well. Because of the MSHA requirement to seal interconnecting mine openings in order to isolate mine atmospheres, the B-6 well was plugged with concrete on October 19, 2004. Upon entering the vicinity of the well, the steel casing was never actually encountered by the D seam continuous miner section and the casing remains intact within a coal pillar.”

#### BC-1 Well – Lower Bear Creek Canyon – Alluvium/Colluvium

The Bear Creek canyon light use road is used extensively to access the upper reaches of Bear Creek for cattle and sheep grazing, logging, gas company access, mine exploration and methane ventilation activities, hunting, etc. The two track, ranch road crosses Oxbow, BLM, and other private lands.

The BC-1 Well is located in the shallow alluvium/colluvium located near the entrance to Bear Creek canyon in the vicinity of the railroad trestle. The purpose of the well is to monitor possible groundwater changes down gradient from the Elk Creek Mine D seam mining activities

in the Bear Creek drainage area. In addition, it is important to note that the BC-1 well is also located down-gradient from the old Somerset Mine workings as well.

Groundwater in this ephemeral drainage appears closely linked to the variable surface water flow found nearby in Bear Creek. Soon after Bear Creek goes dry, typically, so drops the water level in the BC-1 well. During late 2006 the monitor well was damaged by a hunter's vehicle. No water samples could be taken during 2007 because of the damage. MR-85 addressed the re-drill of the monitor well which was completed on November 9, 2007. On June 18, 2008 and during the sampling event of August 8, 2008 attempts were made for the routine sample of the "new" well. We found that the well was "pushed over" making it un-useable once again. Repairs were made to the well on August 25, 2008 and the well successfully sampled on August 26, 2008. A large concrete barrier has been placed in front of BC-1 to prevent additional damage.

During 2021, Bear Creek had routine normal spring snow melt flows followed by the usual complete absence of flow during the dry season.

During 2021, water samples were available in BC-1. Analysis of the BC-1 data suggests no recent anomalies or long-term trends.

#### EC-14, EC-15 Wells - Elk Creek – Alluvium/Colluvium

The EC-14 well is located up gradient of the EC-15 well. The EC-14 well is located in undisturbed alluvium/colluvium up-gradient from the Elk Creek mine surface facility but down-gradient from the eventual D seam mining area located in the upper reaches of Elk Creek. The EC-15 well is located in alluvium/colluvium located south of the D seam portal area but north of the coal stockpile area. Changes in the hydrologic condition of shallow Elk Creek alluvial groundwater due to mining activities could potentially be monitored from these two wells.

The EC-14 monitor well was proposed to be moved upstream to accommodate the 2012 construction of a methane fueled, electricity generation facility. In 2012 the monitor well was redrilled so as to be located off of the methane facility. The old well was sealed and abandoned.

During 2021, water levels in the wells were seasonably variable, with no sample collected from EC-15 in September.

Both wells showed elevated levels of chloride and zinc in 2012 for no apparent reason, but the 2013 levels appeared to return to "normal" During 2014, chloride was elevated in both, but zinc seemed elevated only in EC-15. There was an EC-14 chloride spike in June 2017, but levels returned to normal in September. EC-15 also had a spike in chloride in June 2017, but was dry in September. Elevated chloride and manganese levels continued in both wells during 2017 through 2020. Zinc in EC-14 and EC-15 has stabilized at slightly elevated levels. Overall, analysis of the data for these wells suggests no anomalies or effects attributed to mining.

### D2B and D2B2 Mine Water Transfer Wells ( “D seam to B seam”)

The purpose of these two boreholes was to transfer mine water from the D seam Elk Creek mine workings to the underlying Somerset B/C seam workings. The depth to water is to be measured at the same frequency as the overall OMLLC groundwater monitoring program. Data is also to be collected regarding 1) annual total volume of water transferred, 2) representative pH of transferred water and 3) representative TSS of transferred water.

#### D2B

The D2B mine water transfer well was drilled and completed in late December 2004 in the vicinity of the upper Elk Creek facilities area. When the drill penetrated the B Seam workings, it was apparent that this portion of the B seam mine was flooded with water. The B seam was encountered at the 5918' elevation and a static water level later appeared at the 6042' elevation. Water transfer operations first began in early 2005 for D2B. During late 2011, the D2B water meter failed and had to be replaced. During 2012, we estimate that 81 million gallons of water was transferred. During 2013, with the sealing and later idling of the Elk Creek mine due to the spontaneous combustion event behind the longwall no water was transferred during the year. In 2015, the Elk Creek Mine was sealed and no water pumped since that time. The water level returns to the 6051' elevation.

The floor of the historic Somerset B Seam Mine portal is at the approximate 6090' elevation, so there remains approximately 39' of elevation remaining before the water could exit the mine at that location.

#### D2B2

The D2B2 borehole was completed in December 2005 in the vicinity of the Hubbard Fan. Water transfer started during early 2006. The bottom 39' of the 338' borehole is uncased. The B seam coal roof was encountered at 6046' elevation. After initial water transfer, initial water level was encountered at 6053' elevation, or 7' above the coal. Subsequent measurements encountered an apparent dry borehole obstruction at the 6070.7' elevation or 24' above the coal. The obstruction has not precluded water transfer, but has limited the ability to lower the sounder past the obstruction. During 2008, the sounder encountered more favorable conditions and a water level appeared at the 6064' elevation. During 2008 the underground pumps ran very little. On October 12, 2008 the 13 West gate road was sealed, the Hubbard fan dismantled, the shaft sealed with earthen materials and the western mining district sealed off. Pumping of water to D2B2 was also concluded. The reclamation and seeding of the Hubbard fansite was completed in early 2012.

**Water Level (Elevation Ft.)**

| <b>Date</b>        | <b>D2B</b> | <b>D2B2</b>         |
|--------------------|------------|---------------------|
| January 14, 2005   | 6044.0     | -                   |
| January 19, 2005   | 6044.0     | -                   |
| February 22, 2005  | 6044.6     | -                   |
| March 31, 2005     | 6043.6     | -                   |
| May 3, 2005        | 6044.0     | -                   |
| June 15, 2005      | 6044.5     | -                   |
| July 11, 2005      | 6043.6     | -                   |
| August 24, 2005    | 6044.6     | -                   |
| October, 17, 2005  | 6045.0     | -                   |
| April 19, 2006     | -          | 6053                |
| May 25, 2006       | 6047       | -                   |
| June 7, 2006       | -          | 6066.7              |
| July 26, 2006      | 6047       | 6070.7              |
| October 17, 2006   | 6045       | -                   |
| December 27, 2006  | 6047       | 6070.7              |
| May 23, 2007       | 6047       | Indeterminate       |
| June 19, 2007      | 6049       | Indeterminate       |
| August 16, 2007    | 6049       | Indeterminate       |
| June 18, 2008      | 6052.5     | 6063                |
| September 11, 2008 | -          | 6064                |
| October 15, 2008   | 6051       | -                   |
| March 16, 2009     | 6047       | Borehole is sealed. |
| June 16, 2009      | 6060       | Borehole is sealed  |
| August 4, 2009     | 6060       | Borehole is sealed  |
| October 26, 2009   | 6059       | Borehole is sealed  |
| June 15, 2010      | 6057.8     | Borehole is sealed  |
| August 6, 2010     | 6056.8     | Borehole is sealed  |
| June 30, 2011      | 6057       | Borehole is sealed  |
| October 7, 2011    | 6057       | Borehole is sealed  |
| June 19, 2012      | 6055       | Borehole is sealed  |
| November 21, 2012  | 6057       | Borehole is sealed  |
| May 10, 2013       | 6051.5     | Borehole is sealed  |
| October 16, 2013   | 6051       | Borehole is sealed  |
| May 27, 2014       | 6051       | Borehole is sealed  |
| September 8, 2014  | 6051       | Borehole is sealed  |
| June 30, 2015      | 6053       | Borehole is sealed  |
| Sept 16, 2015      | 6053       | Borehole is sealed  |
| July 13, 2016      | 6053       | Borehole is sealed  |
| October 11, 2016   | 6053       | Borehole is sealed  |
| June 30, 2017      | 6051       | Borehole is sealed  |
| October 20, 2017   | 6051       | Borehole is sealed  |

|                    |        |                    |
|--------------------|--------|--------------------|
| June 20, 2018      | 6053   | Borehole is sealed |
| September 14, 2018 | 6053   | Borehole is sealed |
| June 20, 2019      | 6054   | Borehole is sealed |
| September 20, 2019 | 6053   | Borehole is sealed |
| June 19, 2020      | 6053.5 | Borehole is sealed |
| September 14, 2020 | 6051   | Borehole is sealed |
| June 18, 2021      | 6050.8 | Borehole is sealed |
| September 27, 2021 | 6054   | Borehole is sealed |
| June 27, 2022      | 6051.8 | Borehole is sealed |
| October 12, 2022   | 6050   | Borehole is sealed |

The data suggests no unexpected anomalies to the B seam water level.

Initially, once a year, samples of water were taken of water transferred to D2B and D2B2 and summarized below. The access to the pumps leading to D2B2 is permanently sealed with the sealing of the West District. A representative D2B data from the 2013 dewater borehole is presented here. There is no more transfer as the Elk Creek mine is sealed. No issues were ever encountered with respect to the analytical results.

| Date              | D2B  |         | D2B2          |               |
|-------------------|------|---------|---------------|---------------|
|                   | pH   | TSS     | pH            | TSS           |
| Year 2015         | N/A  | N/A     | N/A           | N/A           |
| Year 2014         | N/A  | N/A     | N/A           | N/A           |
| September 9, 2013 | 7.94 | 21 mg/l | N/A           | N/A           |
| December 27, 2012 | 9.19 | 85 mg/l | NA            | NA            |
| October 5, 2011   | 8.5  | 22 mg/l | N/A           | N/A           |
| November 18, 2010 | 9.11 | 23 mg/l | N/A           | N/A           |
| October 15, 2009  | 8.44 | 17 mg/l | Not available | Not available |
| December 31, 2008 | 8.69 | 38 mg/l | Not available | Not available |
| December 31, 2007 | 8.72 | 17 mg/l | 8.49          | 14 mg/l       |
| June 13, 2006     | 8.58 | 12 mg/l | 8.15          | 39 mg/l       |
| June 6, 2005      | 8.57 | 10 mg/l | NA            | NA            |
| December 28, 2004 | 8.53 | 6 mg/l  | NA            | NA            |

#### SC-1 Well – Rollins Sandstone

Monitor well SC-1 is located just east of the reclaimed Sanborn Creek mine portal area.

Well SC-1 was completed in the Rollins Sandstone, which is located 40 to 50 feet below the B-Seam. Monitoring data were historically collected from well SC-1 prior to any substantial mining in the B-Seam of the Sanborn Creek Mine. The SC-1 well is located up-gradient relative to the Rollins Sandstone unit which is located stratigraphically under the footprint of the mining activities.

Water in the Rollins Sandstone is confined to limited localized zones that are fractured and/or contained above the Rollins, as evidenced by past water level measurements that are well above the top of the sandstone member. Water quality is poor, with high total dissolved solids as sodium chloride. Inflow and recovery of the water level in the drill holes indicates very low permeability and porosity of the sandstone. The 2012 sampling indicated a substantial drop in dissolved solids, chlorides, etc. These parameters appeared to return to “normal” in 2013. A review of the long term water level appears to show a continuous drop in water level elevation, suggesting low transmissivity of water into the sandstone from the up gradient river. In 2014 the water level was so low there was barely enough to trip the sounder recording the water level. During 2016, there was insufficient water for bottled samples. Water levels returned in 2017, 2018 and in 2019, enough so that chemical analysis was barely possible. The waters return and low level may explain elevated manganese TR, Iron D and a calcium spike. The calcium spike continued in 2022.

Generally, the limited water quantity and poor water quality suggests there is limited transmissivity between the North Fork of the Gunnison River alluvium through the Rollins sandstone down-gradient towards the area associated with the Sanborn Creek Mine.

#### SC-3 Well - B-Seam Coal – Sanborn Creek Mine

Monitor well SC-3 is located east of the Sanborn Creek reclaimed mine portal area along the entrance to the pre-existing ranch road to Coal Gulch.

Monitoring well SC-3 was completed into the B Seam coal. Monitoring data were collected from well SC-3 prior to any substantial mining in the B-Seam of the Sanborn Creek Mine. The SC-3 well is up-gradient relative to the B seam underground mining activities but down-gradient from the North Fork of the Gunnison River

The plastic pipe casing is squeezed at the 20 foot level making it difficult to lower a bailer. Using a smaller diameter bailer we have found very minimal water available in the well. In fact there are times when the initial bailing of the well to remove one volume effectively drains the available water. The lack of water in the well and the poor water quality suggests there is little transmissivity and connection between the North Fork of the Gunnison River and the B seam coal at this particular vicinity of the mine. The elevated 2012 levels of zinc and iron appeared to return to “normal” but sulfate seemed to remain elevated. The well was again dry in 2018, but returned in 2019. In 2021 and 2022, the well was sampled in June, but was again dry in September. Sulfate returned to normal, but chloride remains elevated. Perhaps the lack of water in the well is skewing the results.

As the locations of SC-1 and SC-3 wells serve to monitor only the Rollins sandstone and B-seam coal respectively up-gradient of the Sanborn creek mining area, their utility towards the monitoring of the Sanborn Creek mine itself remains somewhat limited.

## 6.0 Mine Water Information

### Elk Creek Mine Water

The water utilized at the mine property continues to be all imported from the alluvial water supply well located near the North Fork of the Gunnison River per the OMLLC water rights and Augmentation Plan.

During 2012, the 4 West and 5 West seals flowed at a combined rate of 12.3 gpm. The 13 west entry 1 seal flowed ~80 gpm. The 4B entry 10.5 crosscut flowed 2.69 gpm. The 4N entry, 3 E crosscut flowed 23.08 gpm.

During 2013, the mine was sealed or idled for most of the year. An assessment of mine inflows was not possible during 2013 but it is likely similar to 2012. During 2014 the mine remained idle and at the end of 2015 the mine was permanently sealed.

See the D2B and D2B2 well discussion above for information regarding the transfer of collected Elk Creek mine sump water to the abandoned Somerset B/C seam workings. Water is no longer removed from the mine workings.

### Outfall 011 – Sanborn Creek Mine Water Discharge

Outfall 011 was the OMLLC - CDPS mine water discharge point from Sanborn Creek Mine that discharged into Sanborn Creek

The Sanborn Creek Mine water drainage system was decommissioned on May 21, 2003. Since the mine completed the last panel, the underground hardware was removed and the entries were sealed in accordance with MSHA requirements.

During 2004, CDMG approved PAP TR-45 which removed Outfall 011 as a monitoring point.

### Outfall 015 – Elk Creek Mine Water Discharge

Outfall 015 is a CDPS mine water discharge point for the Elk Creek Mine. The mine water discharge point provides for the discharge of mine water to Elk Creek. The Outfall 015 has never discharged. The mine is sealed and will not discharge again.

### Outfall 015B – Elk Creek Mine Dewater Boreholes.

CDPS Permit No. CO-0000132 is the primary, current Permit for the Oxbow Mining, LLC., Elk Creek Mine. Outfall 015 is the primary dewater borehole for mine water. Due to unforeseen mine conditions and circumstances related to a spontaneous combustion event and temporary sealing of the mine by the Mine Safety and Health Administration (MSHA) Oxbow had proposed a temporary re-location for the mine water discharge Outfall 015 borehole to aid in mine recovery efforts. As Permit CO-0000132 was expired and operating under an Administrative Extension, CDPHE could not “modify” an expired Permit. Oxbow was

instructed to submit an application for an alternative Outfall 015B. The alternative dewater borehole Permit application (March 26, 2013) resulted in the issuance (on April 16, 2013) of Permit COG-850064 for an alternative Outfall 015B. The resultant dewater borehole pump(s) operated from June 3, 2013 until September 9, 2013. Approximately 58,879,900 gallons (180.6 acre-feet) were subsequently pumped from the mine and discharged to upper Elk Creek. The pumps were later pulled and all hardware removed from the drill pads. On January 31, 2014 a request was submitted to CDPHE to terminate COG-850064. During the active pumping of the dewater boreholes, the water monitoring and reporting were conducted in accordance with the terms and conditions found in the COG-850064 Permit.

During 2015, both boreholes were sealed and will not discharge again.

With completion of CDRMS Surety Release 3 in 2021, the pad achieved phase 2 release and the site was removed from the CDPHE discharge permit CO0000132.

# EXHIBIT 1

H-1 HUBBARD CREEK

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | CI    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca    | Cu | Pb | Mg  | Mn | Hg | Mo | Se | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|-----|-----|------|------|----|----|----|-------|----|----|-----|----|----|----|----|-------|----|-----|--------|-------|--------|
| 10/12/2022 | 12:35 | 4.2  | 7.9      | 246        | 8.3  |        |      |      |       |         |       |     |     |      | 11.8 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 9/8/2022   | 14:00 | 1.5  | 8.5      | 339        | 19.5 |        |      |      |       |         |       |     |     |      | 9.1  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 8/12/2022  | 11:30 | 5    | 8.3      | 244        | 17.2 |        |      |      |       |         |       |     |     |      | 9    |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 7/18/2022  | 13:45 | 3.5  | 8.4      | 251        | 22.5 | 106.67 | 8.06 | 234  | 28.68 | 0.3     | 27.58 | 46  | 330 | 0.08 | 10   |    |    |    | 16.55 |    |    | 6.9 |    |    |    |    | 37.15 |    |     |        | 0.199 | 0.025  |
| 6/7/2022   | 12:15 | 83   | 8.1      | 88         | 10.1 |        |      |      |       |         |       |     |     |      | 11.2 |    |    |    | 18.2  |    |    | 3.9 |    |    |    |    | 20.9  |    |     |        | 0.088 | 0.022  |
| 5/9/2022   | 13:40 | 281  | 7.3      | 85         | 6.7  | 35.67  | 8.00 | 96   | 7.5   | 0.3     | 33.17 | 64  | 90  | 0.08 | 10.3 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 4/28/2022  | 11:15 | 126  | 8.2      | 112        | 3    |        |      |      |       |         |       |     |     |      | 14.5 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 10/21/2021 | 13:15 | 4    | 8.4      | 199        | 5.6  |        |      |      |       |         |       |     |     |      | 13.3 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 9/20/2021  | 14:15 | 1    | 8.2      | 286        | 15.7 |        |      |      |       |         |       |     |     |      | 10.2 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 8/12/2021  | 14:25 | 0.5  | 8.4      | 254        | 21.2 |        |      |      |       |         |       |     |     |      | 8.9  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 7/26/2021  | 14:45 | 6.9  | 8.1      | 184        | 23.8 | 96.08  | 8.33 | 282  | 32.49 | 0.3     | 12.35 | 86  | 150 | 0.08 | 7.9  |    |    |    | 16.79 |    |    | 7.2 |    |    |    |    | 36.78 |    |     |        | 0.249 | 0.019  |
| 6/11/2021  | 12:00 | 0.6  | 8.3      | 360        | 17   |        |      |      |       |         |       |     |     |      | 8.7  |    |    |    | 19.3  |    |    | 4.9 |    |    |    |    | 23.44 |    |     |        | 0.135 | 0.022  |
| 5/18/2021  | 10:40 | 24   | 7.5      | 180        | 7.7  | 35.67  | 7.87 | 198  | 24.99 | 0.3     | 33.7  | 12  | 139 | 0.08 | 8.2  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 4/12/2021  | 12:45 | 25   | 7.5      | 180        | 3    |        |      |      |       |         |       |     |     |      | 13.6 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 10/6/2020  | 13:30 | 0.5  | 7.8      | 280        | 10.8 |        |      |      |       |         |       |     |     |      | 11   |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 9/15/2020  | 12:15 | 0.6  | 8.2      | 370        | 15   |        |      |      |       |         |       |     |     |      | 10.3 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 8/12/2020  | 14:15 | 0.3  | 8.7      | 470        | 22   |        |      |      |       |         |       |     |     |      | 8.1  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 7/13/2020  | 14:45 | 1.3  | 8.3      | 370        | 23   | 52.07  | 7.39 | 246  | 58.63 | 0.3     | 18.52 | 34  | 222 | 0.08 | 7.6  |    |    |    | 23.2  |    |    | 5.3 |    |    |    |    | 27.6  |    |     |        | 0.266 | 0.034  |
| 6/22/2020  | 10:10 | 4.6  | 8.2      | 340        | 14.4 |        |      |      |       |         |       |     |     |      | 8.9  |    |    |    | 18.8  |    |    | 4.8 |    |    |    |    | 21.4  |    |     |        | 0.195 | 0.028  |
| 5/18/2020  | 14:00 | 30   | 8.3      | 190        | 13.2 | 31.76  | 7.63 | 137  | 23.04 | 0.3     | 43.81 | 30  | 116 | 0.09 | 7.1  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 4/27/2020  | 12:30 | 44   | 8        | 160        | 6.2  |        |      |      |       |         |       |     |     |      | 12   |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 10/17/2019 | 12:30 | 3.5  | 8.2      | 320        | 6.1  |        |      |      |       |         |       |     |     |      | 12.5 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 9/18/2019  | 14:15 | 2.9  | 8.5      | 300        | 15.6 |        |      |      |       |         |       |     |     |      | 10   |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 8/20/2019  | 11:15 | 2.5  | 8.3      | 420        | 17.2 |        |      |      |       |         |       |     |     |      | 9.7  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 7/10/2019  | 13:30 | 13.3 | 8.1      | 290        | 15.2 | 55.86  | 8.33 | 194  | 31.8  | 0.3     | 31.52 | 32  | 242 | 0.08 | 8.4  |    |    |    | 26.1  |    |    | 5.6 |    |    |    |    | 22.3  |    |     |        | 0.109 | 0.024  |
| 6/7/2019   | 12:50 | 160  | 8.2      | 120        | 10.9 |        |      |      |       |         |       |     |     |      | 10.9 |    |    |    | 28.4  |    |    | 6.9 |    |    |    |    | 26.1  |    |     |        | 0.136 | 0.029  |
| 5/13/2019  | 13:50 | 367  | 8        | 20         | 9.7  | 51.72  | 7.67 | 115  | 30.83 | 0.3     | 24.28 | 80  | 256 | 0.08 | 8.9  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 4/12/2019  | 13:30 | 67   | 7.7      | 270        | 1.6  |        |      |      |       |         |       |     |     |      | 13.9 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 10/17/2018 | 12:15 | 2.7  | 8.2      | 360        | 6    |        |      |      |       |         |       |     |     |      | 12.5 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 9/14/2018  | 13:22 | 0.05 | 9.3      | 460        | 18   |        |      |      |       |         |       |     |     |      | 9.5  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 8/27/2018  | 9:15  | 0.45 | 7.6      | 470        | 12.2 |        |      |      |       |         |       |     |     |      | 10.7 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 7/11/2018  | 13:10 | 0.2  | 8.3      | 450        | 23.9 | 38.91  | 7.46 | 132  | 18.53 | 0.3     | 27.16 | 22  | 103 | 0.08 | 11.2 |    |    |    | 23.7  |    |    | 7.1 |    |    |    |    | 26.5  |    |     |        | 0.28  | 0.049  |
| 6/22/2018  | 10:50 | 2.8  | 9        | 340        | 16.8 |        |      |      |       |         |       |     |     |      | 9.7  |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 5/14/2018  | 23:30 | 88   | 8.7      | 130        | 7.3  | 34.18  | 6.77 | 107  | 30.43 | 0.3     | 18.93 | 42  | 82  | 0.08 | 11.4 |    |    |    | 20.1  |    |    | 5.3 |    |    |    |    | 24.6  |    |     |        | 0.186 | 0.029  |
| 4/24/2018  | 14:10 | 68.8 | 8.6      | 240        | 8.4  |        |      |      |       |         |       |     |     |      | 11.7 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |
| 10/19/2017 | 10:45 | 3    | 8.2      | 380        | 5.7  |        |      |      |       |         |       |     |     |      | 12.9 |    |    |    |       |    |    |     |    |    |    |    |       |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|-----|-----|------|------|----|----|----|------|----|----|------|----|----|----|----|-------|----|-----|--------|-------|--------|
| 9/11/2017  | 12:15 | 1.6  | 8.4      | 450        | 18.4 |        |      |      |       |         |       |     |     |      | 9.2  |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/8/2017   | 9:15  | 5.7  | 8.4      | 470        | 16   |        |      |      |       |         |       |     |     |      | 12.5 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/18/2017  | 12:45 | 2.8  | 9.2      | 430        | 21.4 | 25.81  | 7.61 | 130  | 39.76 | 0.3     | 32.76 | 16  | 132 | 0.08 | 14.3 |    |    |    | 20.1 |    |    | 5.4  |    |    |    |    | 25.1  |    |     |        | 0.024 | 0.022  |
| 6/6/2017   | 10:45 | 175  | 8.7      | 120        | 7.4  |        |      |      |       |         |       |     |     |      | 12   |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/17/2017  | 9:30  | 98   | 9.1      | 150        | 4.2  | 32     | 7.56 | 128  | 27.59 | 0.3     | 51.13 | 106 | 54  | 0.08 | 11.7 |    |    |    | 19.7 |    |    | 5.2  |    |    |    |    | 24.2  |    |     |        | 0.21  | 0.034  |
| 4/28/2017  | 10:30 | 46.7 | 9.1      | 230        | 2.9  |        |      |      |       |         |       |     |     |      | 13.6 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 10/28/2016 | 11:00 | 3.34 | 8.6      | 410        | 8.5  |        |      |      |       |         |       |     |     |      | 11.8 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/22/2016  | 9:15  | 1.7  | 8.7      | 440        | 14   |        |      |      |       |         |       |     |     |      | 12.6 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/25/2016  | 11:50 | 1.7  | 9        | 110        | 15.5 |        |      |      |       |         |       |     |     |      | 10   |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/25/2016  | 11:30 | 4.3  | 9        | 190        | 18.9 | 87.07  | 8.66 | 325  | 14.31 | 0.3     | 14.41 | 18  | 224 | 0.08 | 9.7  |    |    |    | 39.2 |    |    | 17.5 |    |    |    |    | 31.7  |    |     |        | 0.623 | 0.089  |
| 6/9/2016   | 11:45 | 75   | 8.6      | 60         | 10.9 |        |      |      |       |         |       |     |     |      | 8.8  |    |    |    | 15   |    |    | 5.6  |    |    |    |    | 20.8  |    |     |        | 0.67  | 0.29   |
| 5/23/2016  | 12:45 | 60   | 7.9      | 140        | 7.5  | 91.5   | 7.75 | 161  | 2.03  | 0.3     | 9.41  | 60  | 146 | 0.08 | 10.1 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 4/26/2016  | 12:45 | 60   | 7.9      | 140        | 7.5  |        |      |      |       |         |       |     |     |      | 15.9 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 10/21/2015 | 10:00 |      | 8.4      | 230        | 8.3  |        |      |      |       |         |       |     |     |      | 11.9 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/18/2015  | 12:20 |      | 8.9      | 230        | 15.6 |        |      |      |       |         |       |     |     |      | 14.3 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/4/2015   | 13:10 |      | 8.9      | 330        | 19.3 |        |      |      |       |         |       |     |     |      | 12.1 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/21/2015  | 13:50 |      | 8.7      | 350        | 18.6 | 81.03  | 7.83 | 241  | 11.54 | 0.3     | 14.76 | 14  | 226 | 0.08 | 9.8  |    |    |    | 41.2 |    |    | 17.8 |    |    |    |    | 32.5  |    |     |        | 0.77  | 0.16   |
| 6/17/2015  | 13:00 |      | 8.4      | 130        | 14.7 |        |      |      |       |         |       |     |     |      | 8.9  |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/4/2015   | 14:15 |      | 9.3      | 170        | 11.8 |        |      |      |       |         |       |     |     |      | 12.7 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 4/14/2015  | 10:45 |      | 8.5      | 150        | 9.5  | 78.3   | 6.93 | 147  | 2.03  | 0.3     | 7.41  | 19  | 102 | 0.08 | 9.6  |    |    |    | 15   |    |    | 5.8  |    |    |    |    | 20.8  |    |     |        | 0.67  | 0.29   |
| 10/31/2014 | 11:30 |      | 9.8      | 131        | 5.8  |        |      |      |       |         |       |     |     |      | 12.5 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/10/2014  | 9:50  |      | 9.1      | 150        | 12   | 75.44  | 7.23 | 225  | 10.9  | 0.3     | 15.23 | 17  | 214 | 0.08 | 9.9  |    |    |    | 43.4 |    |    | 18.2 |    |    |    |    | 32.2  |    |     |        | 0.81  | 0.18   |
| 8/25/2014  | 14:15 |      | 8.9      | 150        | 17.3 |        |      |      |       |         |       |     |     |      | 13.8 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/6/2014   | 10:20 |      | 9.6      | 190        | 17   |        |      |      |       |         |       |     |     |      | 13.5 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/11/2014  | 14:00 |      | 8.8      | 140        | 12.5 |        |      |      |       |         |       |     |     |      | 16.1 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/19/2014  | 14:00 |      | 8.9      | 70         | 11.9 |        |      |      |       |         |       |     |     |      | 14.8 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 4/9/2014   | 11:20 |      | 8.8      | 120        | 5.1  | 86.9   | 6.78 | 184  | 2.55  | 0.3     | 9.09  | 39  | 104 | 0.08 | 9.7  |    |    |    | 31.4 |    |    | 22.6 |    |    |    |    | 16.61 |    |     |        | 1.08  | 0.06   |
| 10/18/2013 | 14:00 |      | 8.5      | 120        | 5.3  |        |      |      |       |         |       |     |     |      | 9.5  |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/9/2013   | 10:45 |      | 8.8      | 210        | 18   |        |      |      |       |         |       |     |     |      | 12   |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/16/2013  | 11:45 |      | 8.5      | 170        | 19.1 |        |      |      |       |         |       |     |     |      | 13   |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/18/2013  | 14:00 |      | 8.2      | 170        | 24.7 |        |      |      |       |         |       |     |     |      | 13.3 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/5/2013   | 14:45 |      | 8.7      | 170        | 19.5 |        |      |      |       |         |       |     |     |      | 8.9  |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/6/2013   | 10:45 |      | 8.5      | 70         | 9.3  | 122.63 | 7.24 | 295  | 8.78  | 0.3     | 15.64 | 35  | 275 | 0.08 | 9.7  |    |    |    | 15   |    |    | 7.4  |    |    |    |    | 34    |    |     |        | 0.49  | 0.2    |
| 4/22/2013  | 14:00 |      | 8.6      | 120        | 10.3 |        |      |      |       |         |       |     |     |      | 10.1 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 10/10/2012 | 13:00 |      | 8.1      | 200        | 13.5 |        |      |      |       |         |       |     |     |      | 12.3 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/6/2012   | 13:00 |      | 8.5      | 210        | 16.5 |        |      |      |       |         |       |     |     |      | 11.6 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond  | Cl     | NO3/NO2 | SO4   | TSS | TDS | PO4   | DO   | Al | As | Cd | Ca    | Cu | Pb | Mg | Mn   | Hg | Mo | Se | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|-------|------|-------|--------|---------|-------|-----|-----|-------|------|----|----|----|-------|----|----|----|------|----|----|----|------|----|-----|--------|-------|--------|
| 8/2/2012   | 11:45 |      | 9.4      | 260        | 23   | 118.2 | 8.47 | 215   | 128.52 | 0.3     | 11.42 | 38  | 165 | 0.038 | 9    |    |    |    | 38.8  |    |    |    | 11.0 |    |    |    | 50.8 |    | 0   | 0      | 1.53  | 0.05   |
| 7/30/2012  | 13:00 |      | 9.8      | 270        | 26.3 |       |      |       |        |         |       |     |     |       | 7.1  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 6/13/2012  | 11:00 |      | 9        | 150        | 21   |       |      |       |        |         |       |     |     |       | 13   |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 6/8/2012   | 11:00 |      | 9.1      | 300        | 16.8 |       |      |       |        |         |       |     |     |       | 11.9 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 5/9/2012   | 13:00 |      | 8.5      | 130        | 13.2 | 70.92 | 7.82 | 218   | 84.37  | 1.76    | 20.17 | 2   | 174 | 0.08  | 8.3  |    |    |    | 14.34 |    |    |    | 6.0  |    |    |    | 9.15 |    | 0   | 0      | 0.31  | 0.02   |
| 4/23/2012  | 14:00 |      | 8.3      | 70         | 11.1 |       |      |       |        |         |       |     |     |       | 15.1 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 10/7/2011  | 13:30 |      | 8.3      | 150        | 10.1 |       |      |       |        |         |       |     |     |       | 13.1 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 9/8/2011   | 13:00 |      | 8.8      | 200        | 18.7 |       |      |       |        |         |       |     |     |       | 10.8 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 8/15/2011  | 12:35 |      | 8.6      | 250        | 22.5 | 17.41 | 8.18 | 253   | 4.96   | 0.3     | 17.28 | 45  | 243 | 0.08  | 9.6  |    |    |    | 36.8  |    |    |    | 6.9  |    |    |    | 32.8 |    | 0   | 0      | 0.73  | 0.17   |
| 7/26/2011  | 14:00 |      | 8.6      | 330        | 18.3 |       |      |       |        |         |       |     |     |       | 10.7 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 6/14/2011  | 13:45 |      | 8.3      | 70         | 12.9 |       |      |       |        |         |       |     |     |       | 15   |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 5/23/2011  | 13:30 |      | 8.9      | 110        | 8    |       |      |       |        |         |       |     |     |       | 12.3 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 4/19/2011  | 11:30 |      | 9.2      | 90         | 2.8  | 59.4  | 7.36 | 119   | 29.6   | 1.93    | 61.74 | 140 | 166 | 0.081 | 8.2  |    |    |    | 7.18  |    |    |    | 5.3  |    |    |    | 6.59 |    | 0   | 0      | 4.15  | 0.25   |
| 10/27/2010 | 2:30  |      | 8.9      | 140        | 3.7  |       |      |       |        |         |       |     |     |       | 14   |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 9/27/2010  | 2:30  |      | 8.3      | 260        | 17.5 |       |      |       |        |         |       |     |     |       | 11.1 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 8/6/2010   | 2:40  |      | 9.3      | 220        | 23   |       |      |       |        |         |       |     |     |       | 13.5 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 7/15/2010  | 1:20  |      | 8.9      | 290        | 18   |       |      |       |        |         |       |     |     |       | 9.5  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 6/4/2010   | 3:45  |      | 9.1      | 100        | 15.8 |       |      |       |        |         |       |     |     |       | 11.5 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 5/18/2010  | 11:30 |      | 8.9      | 90         | 8.8  | 52.7  | 7.62 | 122.9 | 32.7   | 2.09    | 20.17 | 25  | 119 | 0     | 8.2  |    |    |    | 12.6  |    |    |    | 3.2  |    |    |    | 4.3  |    | 0   | 0      | 0.21  | 0.17   |
| 4/22/2010  | 2:35  |      | 9        | 80         | 8.8  |       |      |       |        |         |       |     |     |       | 9.2  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 10/12/2009 | 1:30  |      | 8.5      | 160        | 8.4  |       |      |       |        |         |       |     |     |       | 13.9 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 9/25/2009  | 12:30 |      | 7.8      | 270        | 17.3 |       |      |       |        |         |       |     |     |       | 10.2 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 8/6/2009   | 10:00 |      | 8.4      | 280        | 16   | 180   | 8.01 | 270   | 1      | 0.02    | 15    | 30  | 190 | 0.01  | 13.6 |    |    |    | 34    |    |    |    | 8.6  |    |    |    | 25   |    | 0   | 0      | 1.1   | 0.01   |
| 7/17/2009  | 2:00  |      | 7.4      | 300        | 25   |       |      |       |        |         |       |     |     |       | 10.9 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 6/22/2009  | 10:15 |      | 7.6      | 140        | 16   |       |      |       |        |         |       |     |     |       | 8.5  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 5/6/2009   | 10:30 |      | 8        | 90         | 7.3  | 67    | 7.78 | 100   | 1      | 0.02    | 5     | 22  | 97  | 0.02  | 13.8 |    |    |    | 15    |    |    |    | 3.9  |    |    |    | 4.6  |    | 0   | 0      | 1     | 0.08   |
| 4/29/2009  | 11:15 |      | 8.2      | 90         | 8.3  |       |      |       |        |         |       |     |     |       | 11.4 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 10/15/2008 | 13:00 |      | 7.8      | 220        | 8    |       |      |       |        |         |       |     |     |       | 12.7 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 9/11/2008  | 13:25 |      | 7.6      | 260        | 17.2 |       |      |       |        |         |       |     |     |       | 8.6  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 8/5/2008   | 13:00 |      | 8.5      | 320        | 24.9 | 180   | 8.60 | 330   | 1      | 0.02    | 26    | 5   | 230 | 0.01  | 11.3 |    |    |    | 35    |    |    |    | 9.2  |    |    |    | 34   |    | 0   | 0      | 0.19  | 0.03   |
| 7/29/2008  | 14:00 |      | 10.1     | 230        | 21   |       |      |       |        |         |       |     |     |       | 16   |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 6/18/2008  | 11:00 |      | 8.6      | 70         | 8    | 53    | 7.81 | 96    | 1      | 0.02    | 5     | 20  | 86  | 0.02  | 8.7  |    |    |    | 12    |    |    |    | 3.1  |    |    |    | 3.7  |    | 0   | 0      | 0.84  | 0.08   |
| 5/23/2008  | 12:00 |      | 8.4      | 80         | 9    |       |      |       |        |         |       |     |     |       | 15   |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 4/18/2008  | 14:30 |      | 8.4      | 110        | 14   |       |      |       |        |         |       |     |     |       | 11.7 |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 10/24/2007 | 2:40  |      | 8.22     | 135        | 7.8  |       |      |       |        |         |       |     |     |       | 3.3  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |
| 9/11/2007  | 14:15 |      | 8.5      | 210        | 20.5 |       |      |       |        |         |       |     |     |       | 8.9  |    |    |    |       |    |    |    |      |    |    |    |      |    | 0   | 0      |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date       | Time  | Flow | pH   | Field Cond | Tem  | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al   | As    | Cd    | Ca   | Cu   | Pb   | Mg    | Mn     | Hg   | Mo    | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|------|------|------------|------|------|------|------|----|---------|-----|-----|-----|------|------|------|-------|-------|------|------|------|-------|--------|------|-------|-------|------|-------|-----|--------|-------|--------|
| 8/7/2007   | 1:50  |      | 8.33 | 170        | 21.3 | 110  | 8.04 | 180  | 1  | 0.05    | 6   | 17  | 140 | 0.06 | 14.3 |      |       |       | 22   |      |      |       | 5.2    |      |       |       | 9.2  |       | 0   | 0      | 0.74  | 0.16   |
| 7/17/2007  | 15:00 |      | 8.6  | 250        | 25.7 |      |      |      |    |         |     |     |     |      | 14.3 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 6/15/2007  | 2:30  |      | 8.45 | 480        | 21.2 | 150  | 8.29 | 270  | 1  | 0.02    | 14  | 5   | 160 | 0.04 | 7.8  |      |       |       | 28   |      |      |       | 7.2    |      |       |       | 18   |       | 0   | 0      | 0.18  | 0.03   |
| 5/23/2007  | 11:00 |      | 7.95 | 131        | 8.4  |      |      |      |    |         |     |     |     |      | 12.5 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 4/26/2007  | 15:30 |      | 8.16 | 140        | 9.9  |      |      |      |    |         |     |     |     |      | 11.6 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 10/27/2006 | 13:00 |      | 8.26 | 130        | 3    |      |      |      |    |         |     |     |     |      | 5.1  |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 9/27/2006  | 12:00 |      | 8.24 | 180        | 11.4 |      |      |      |    |         |     |     |     |      | 11.4 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 8/10/2006  | 13:00 |      | 9.36 | 230        | 23   | 130  | 8.16 | 240  | 1  | 0.02    | 9   | 8   | 170 | 0.01 | 16.8 |      |       |       | 21   |      |      |       | 5.8    |      |       |       | 15   |       | 0   | 0      | 0.44  | 0.03   |
| 7/21/2006  | 12:15 |      | 8.55 | 240        | 24.3 |      |      |      |    |         |     |     |     |      | 17.8 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 6/13/2006  | 10:30 | 0    | 8.6  | 260        | 16   | 160  | 7.95 | 280  | 2  | 0.02    | 17  | 5   | 170 | 0.02 | 9.2  |      |       |       | 29   |      |      |       | 6.9    |      |       |       | 19   |       | 0   | 0      | 0.14  | 0.03   |
| 5/28/2006  | 10:45 |      | 7.91 | 80         | 11.9 |      |      |      |    |         |     |     |     |      | 12.4 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 4/17/2006  | 14:30 |      | 7.7  | 100        | 13.9 |      |      |      |    |         |     |     |     |      | 13.9 |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 10/17/2005 | 11:40 |      | 8.62 | 180        | 13.6 |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 9/22/2005  | 13:50 |      | 8.68 | 200        | 19.3 |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 8/30/2005  | 14:00 |      | 8.9  | 210        | 18   | 130  | 8.45 | 230  | 1  | 0.04    | 12  | 11  | 150 | 0.01 |      |      |       |       | 28   |      |      |       | 6.6    |      |       |       | 18   |       | 0   | 0      | 0.72  | 0.07   |
| 8/5/2005   | 11:30 |      | 8.86 | 290        | 20   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 7/25/2005  | 15:00 |      | 8.8  | 250        | 20   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 6/15/2005  | 13:00 |      | 8.4  | 80         | 14   | 59   | 7.87 | 100  | 1  | 0.02    | 5   | 15  | 84  | 0.01 |      |      |       |       | 15   |      |      |       | 3.4    |      |       |       | 4.6  |       | 0   | 0      | 0.89  | 0.07   |
| 5/9/2005   | 14:30 |      | 8.11 | 120        | 11   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 4/18/2005  | 11:15 |      | 8.07 | 110        | 4    |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 10/8/2004  | 15:30 |      | 8.36 | 130        | 10   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 9/27/2004  | 12:15 |      | 8.4  | 120        | 11   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 8/23/2004  | 11:40 |      | 8.45 | 180        | 15   | 120  | 8.14 | 180  | 1  | 0.02    | 5   | 11  | 130 | 0.01 |      |      |       |       | 24   |      |      |       | 5.9    |      |       |       | 11   |       | 0   | 0      | 1.3   |        |
| 7/23/2004  | 10:30 |      | 8.39 | 200        | 19   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 6/22/2004  | 14:30 |      | 8.67 | 80         | 10   | 150  | 8.34 | 250  | 1  | 0.24    | 11  | 5   | 160 | 0.01 |      |      |       |       | 29   |      |      |       | 7.5    |      |       |       | 16   |       | 0   | 0      | 0.37  |        |
| 5/20/2004  | 11:00 |      | 8.67 | 80         | 10   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 4/14/2004  | 15:00 |      | 8.52 | 120        | 12   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 10/13/2003 | 14:45 |      | 7.71 | 260        | 13   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 9/17/2003  | 13:15 |      | 9.19 | 210        | 15   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 8/26/2003  | 11:00 |      | 8.82 | 230        | 19   | 150  | 8.43 | 250  | 1  | 0.02    | 9   | 17  | 160 | 0.01 |      |      |       |       | 28   |      |      |       | 13.0   |      |       |       | 25   |       | 0   | 0      | 0.85  | 0.04   |
| 7/28/2003  | 13:30 |      | 8.88 | 220        | 24   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |
| 6/17/2003  | 11:45 |      | 8.87 | 200        | 17   | 130  | 8.47 | 220  | 1  | 0.07    | 11  | 5   | 150 | 0.01 |      |      |       |       | 24   |      |      |       | 6.3    |      |       |       | 12   |       | 0   | 0      | 0.28  | 0.06   |
| 8/21/2002  | 2:45  | 0    | 9.3  | 600        | 23   | 250  | 8.35 | 590  | 11 | 0.05    | 82  | 13  | 330 | 0.01 |      |      |       |       | 36   |      |      |       | 22.0   |      |       |       | 33   |       | 0   | 0      | 0.25  |        |
| 6/27/2002  | 11:30 | 1    | 8.4  | 300        | 18   | 270  | 8.15 | 610  | 7  | 0.02    | 90  | 5   | 390 | 0.01 |      |      |       |       | 50   |      |      |       | 33.0   |      |       |       | 39   |       | 0   | 0      | 0.03  |        |
| 10/31/2001 | 12:30 | 1.1  | 7.6  | 300        | 10   | 300  | 8.23 | 770  | 18 | 0.02    | 110 | 5   | 510 | 0.01 | 10.2 | 0.38 | 0.002 | 0.005 | 47.2 | 0.01 | 0.05 | 0.024 | 0.0002 | 0.05 | 0.002 | 0.002 | 67.6 | 0.087 | 0   | 0      | 0.48  |        |
| 8/20/2001  | 12:10 | 2.5  | 8.1  | 280        | 13   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |      |      |       |        |      |       |       |      |       | 0   | 0      |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date       | Time  | Flow   | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4   | DO   | Al     | As     | Cd     | Ca   | Cu     | Pb    | Mg   | Mn    | Hg      | Mo   | Se     | Na   | Zn     | Oil | Grease | Fe-Tr | Fe-Dls |  |
|------------|-------|--------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|-------|------|--------|--------|--------|------|--------|-------|------|-------|---------|------|--------|------|--------|-----|--------|-------|--------|--|
| 6/20/2001  | 13:15 | 4.3    | 8.1      | 300        | 12  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/24/2001  | 12:15 | 15.25  | 7.5      | 180        | 6   | 131  | 7.95 | 232  | 2  | 0.04    | 11  | 15  | 151 | 0.01  | 10.8 | 0.25   | 0.004  | 0.005  | 24   | 0.005  | 0.05  | 5.8  | 0.028 | 0.0002  | 0.05 | 0.004  | 13.7 | 0.028  | 0   | 0      | 0.53  |        |  |
| 10/31/2000 | 13:40 | 3      | 7.8      | 350        | 10  | 180  | 7.90 | 369  | 5  | 0.02    | 35  | 5   | 230 | 0.01  | 10.3 | 0.15   | 0.006  | 0.005  | 32.7 | 0.005  | 0.05  | 10.9 | 0.012 | 0.0002  | 0.05 | 0.002  | 21.8 | 0.005  | 0   | 0      | 0.18  |        |  |
| 8/24/2000  | 15:02 | 1.8    | 7.3      | 250        | 14  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/18/2000  | 14:15 | 42     | 7.5      | 100        | 12  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/28/2000  | 13:40 | 198    | 7        | 100        | 10  | 55   | 7.17 | 115  | 1  | 0.09    | 8   | 30  | 99  | 0.01  | 8.3  | 1.24   | 0.002  | 0.005  | 13.6 | 0.008  | 0.05  | 3.8  | 0.043 | 0.0002  | 0.05 | 0.002  | 6.6  | 0.007  | 0   | 0      | 1.46  |        |  |
| 10/28/1999 | 12:01 | 2.5    | 8.5      | 200        | 6   | 146  | 8.06 | 251  | 1  | 0.02    | 9   | 5   | 155 | 0.02  | 10.8 | 0.65   | 0.009  | 0.005  | 29.6 | 0.005  | 0.05  | 7.3  | 0.046 | 0.0002  | 0.05 | 0.002  | 15.8 | 0.008  | 0   | 0      | 0.71  |        |  |
| 8/17/1999  | 16:15 | 2.5    | 8.9      | 210        | 16  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/29/1999  | 15:51 | 152    | 8.5      | 210        | 12  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/21/1999  | 14:15 | 162    | 8.6      | 180        | 4   | 87   | 7.57 | 151  | 3  | 0.09    | 3   | 88  | 129 | 0.02  | 10.7 | 3.13   | 0.002  | 0.005  | 17.3 | 0.005  | 0.05  | 4.6  | 0.093 | 0.0002  | 0.05 | 0.002  | 5.3  | 0.005  | 0   | 0      | 0.92  |        |  |
| 10/30/1998 | 8:35  | 22.4   | 8        | 210        | 14  | 131  | 7.95 | 232  | 2  | 0.04    | 11  | 15  | 151 | 0.01  | 10.6 | 0.25   | 0.004  | 0.005  | 24   | 0.005  | 0.05  | 5.8  | 0.028 | 0.0003  | 0.05 | 0.004  | 13.7 | 0.028  | 0   | 0      | 0.53  |        |  |
| 8/19/1998  |       | 13.6   | 8        | 160        | 18  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/26/1998  |       | 15.7   | 8        | 200        | 16  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/30/1998  |       | 124.8  | 8.5      | 150        | 3   | 87   | 7.57 | 151  | 3  | 0.09    | 3   | 88  | 129 | 0.02  | 10.7 | 3.13   | 0.0002 | 0.005  | 17.8 | 0.005  | 0.05  | 4.5  | 0.093 | 0.0002  | 0.05 | 0.002  | 5.3  | 0.007  | 0   | 0      | 3.34  |        |  |
| 10/24/1997 |       | 15     | 7.8      | 220        | 7   |      | 7.74 | 235  | 3  | -0.02   | 10  | 8   | 146 | 0.01  | 10   | -0.002 | -0.002 | -0.005 | 29.1 | -0.005 | -0.05 | 6.3  | 0.005 | -0.0002 |      | 0.004  | 14.6 |        |     | 0      | 0.02  |        |  |
| 8/19/1997  |       | 24.68  | 8.1      | 210        | 25  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/24/1997  |       | 16.26  | 8.5      | 380        | 14  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/15/1997  |       | 195    | 8.9      | 130        | 5   |      | 6.05 | 230  | 2  | 5.6     | 14  | 15  | 164 | 0.01  | 9.9  | 1.23   | -0.002 | -0.005 | 24.4 | -0.005 | -0.05 | 5.6  | 0.024 | -0.0002 |      | -0.002 | 8.9  |        |     | 0      | 0.95  |        |  |
| 10/22/1996 |       | 3.7    | 8.4      | 260        | 1   |      | 8.00 | 270  | 2  | 0.03    | 17  | 20  | 190 | -0.01 | 11.9 | 0.54   | -0.002 | -0.005 | 27.7 | -0.005 | -0.05 | 7.2  | 0.023 | -0.0002 |      | -0.002 | 16.9 | -0.005 | 0   | 0      | 0.66  |        |  |
| 8/6/1996   |       | 4.52   | 8.4      | 270        | 14  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/5/1996   |       | 20.3   | 8.4      | 160        | 16  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/25/1996  |       | 157    | 8.3      | 100        | 5   |      | 8.01 | 139  | 1  | 0.04    | 12  | 53  | 110 | 0.02  | 10.2 | 1.88   | 0.002  | 0.013  | 18.9 | -0.005 | -0.05 | 4.8  | 0.072 | -0.0002 |      | -0.002 | 5.4  | 0.009  | 0   | 0      | 2.27  |        |  |
| 10/10/1995 | 8:02  | 1580   | 8.9      | 280        | 5   | 140  | 8.44 | 310  | 3  | 0.05    | 8   | 190 | 190 | -0.01 | 9.2  | 0.17   | -0.002 | -0.005 | 30.7 | -0.005 | -0.05 | 8.0  | 0.028 | -0.0002 |      | -0.002 | 23.4 |        |     | 0      | 0.32  |        |  |
| 8/3/1995   | 11:36 | 1740   | 8.8      | 310        | 17  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/8/1995   | 8:46  | 128000 | 8.9      | 70         | 6   |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/5/1995   | 8:30  | 69100  | 8.4      | 140        | 0   |      | 7.88 | 180  | 3  | 0.18    |     | 140 | 140 | 0.02  | 10.7 | 3      | 0.002  | -0.005 | 24.6 | 0.005  | -0.05 | 6.2  | 0.08  | -0.0002 |      | -0.002 | 9.2  |        |     | 0      | 3.67  |        |  |
| 10/10/1994 | 10:23 | 2390   | 8.3      | 210        | 5   |      | 8.33 | 220  | 4  | 0.05    |     | 10  | 140 | -0.01 | 10   | 0.2    | -0.002 | -0.002 | 25   | 0.029  | -0.05 | 5.9  | 0.02  | -0.0002 |      | 0.005  | 14   |        |     | 0      | 0.49  |        |  |
| 8/10/1994  | 12:01 | 4710   | 8.4      | 220        | 18  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/8/1994   | 11:52 | 3400   | 8.4      | 220        | 15  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 4/30/1994  | 10:12 |        | 8.3      | 170        | 15  | 90   | 8.10 | 215  |    |         |     | 8   | 86  |       |      |        |        |        |      | -0.01  | -0.02 |      | 0.01  |         |      |        |      |        |     | 0      | 0.99  |        |  |
| 11/10/1993 | 10:50 | 2      | 8.4      | 460        | 4   |      | 8.40 |      |    |         |     | 2   | 244 |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        | 0     | 0.37   |  |
| 8/30/1993  | 8:40  | 3      | 8.7      | 330        | 13  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 6/30/1993  | 10:48 | 10     | 8.1      | 140        | 13  |      |      |      |    |         |     |     |     |       |      |        |        |        |      |        |       |      |       |         |      |        |      |        |     |        |       |        |  |
| 10/23/1992 |       | 0.5    | 8.6      | 240        | 14  | 160  | 8.60 | 252  |    |         |     | 8   | 160 |       |      |        |        |        |      | -0.01  | -0.02 |      | 0.03  |         |      |        |      |        |     | 0      | 0.34  |        |  |
| 9/28/1992  |       | 2      | 8.5      | 270        | 20  | 148  | 8.70 | 248  |    |         |     | 6   | 126 |       |      |        |        |        |      | 0.01   | -0.02 |      | 0.02  |         |      |        |      |        |     | 0      | 0.29  |        |  |
| 6/16/1992  |       | 15     | 8        | 140        | 12  | 54   | 7.40 | 128  |    |         |     | 36  | 90  |       |      |        |        |        |      | 0.01   | -0.02 |      | 0.02  |         |      |        |      |        |     | 0      | 1.51  |        |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO | Al | As | Cd | Ca | Cu    | Pb    | Mg | Mn    | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |      |
|------------|-------|------|----------|------------|------|------|------|------|----|---------|-----|-----|-----|-----|----|----|----|----|----|-------|-------|----|-------|----|----|----|----|----|-----|--------|-------|--------|------|
| 4/30/1992  |       | 72   | 8.2      | 92         | 16   | 52   | 7.60 | 107  |    |         |     | 50  | 100 |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.05  |    |    |    |    |    |     |        | 0     | 1.9    |      |
| 11/12/1991 | 10:10 | 1.1  | 8.2      | 130        | 8    | 102  | 8.10 | 273  |    |         |     | 6   | 134 |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.03  |    |    |    |    |    |     |        | 0     | 0.39   |      |
| 8/30/1991  | 10:20 | 2    | 8.4      | 210        | 20   | 124  | 8.10 | 260  |    |         |     | 32  | 168 |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.07  |    |    |    |    |    |     |        | 0     | 1.8    |      |
| 6/29/1991  | 11:05 | 35.5 | 8.6      | 260        | 21   | 132  | 8.20 | 258  |    |         |     | 38  | 178 |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.04  |    |    |    |    |    |     |        | 0     | 0.98   |      |
| 4/30/1991  |       | 77.4 | 8.2      | 91         | 9    | 76   | 7.80 | 171  |    |         |     | 2   | 98  |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.01  |    |    |    |    |    |     |        | 0     | 0.4    |      |
| 10/1/1990  |       | 0.7  |          |            | 21   | 117  | 8.45 | 260  |    |         |     | 14  | 162 |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.07  |    |    |    |    |    |     |        | 0     | 1.02   |      |
| 8/1/1990   |       | 0.3  |          |            | 21   | 140  | 8.45 | 260  |    |         |     | 6   | 158 |     |    |    |    |    |    | 0.03  | -0.02 |    | 0.01  |    |    |    |    |    |     |        | 0     | 0.54   |      |
| 7/1/1990   |       | 2    |          |            | 20   | 102  | 8.50 | 180  |    |         |     | 14  | 134 |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.09  |    |    |    |    |    |     |        | 0     | 0.81   |      |
| 4/1/1990   |       | 64.8 |          |            | 17.5 | 56   | 8.15 | 90   |    |         |     | 8   | 88  |     |    |    |    |    |    | -0.01 | -0.02 |    | 0.02  |    |    |    |    |    |     |        | 0     | 0.28   |      |
| 10/1/1989  |       |      |          |            |      | 330  | 8.15 | 195  |    |         |     | 22  | 156 |     |    |    |    |    |    | -0.01 | -0.02 |    | -0.01 |    |    |    |    |    |     |        | 0     | 0.42   |      |
| 10/1/1989  |       | 1.9  |          |            | 15   |      |      |      |    |         |     | 22  | 186 |     |    |    |    |    |    | 0.01  | 0.02  |    | 0.01  |    |    |    |    |    |     |        | 0     | 0.64   |      |
| 8/1/1989   |       | 2    |          |            | 16   |      |      |      |    |         |     | 6   | 201 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.01  |    |    |    |    |    |     |        | 0     | 0.32   |      |
| 6/1/1989   |       | 3.2  |          |            | 10.5 |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 6/1/1989   |       | 121  |          |            | 7    |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 4/1/1989   |       |      |          |            |      |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 4/1/1989   |       |      |          |            |      | 49   | 8.30 | 125  |    |         |     | 14  | 114 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.04  |    |    |    |    |    |     |        | 0     | 1.91   |      |
| 10/1/1988  |       |      |          |            |      | 124  | 8.00 | 280  |    |         |     | 8   | 237 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.02  |    |    |    |    |    |     |        | 0     | 0.43   |      |
| 10/1/1988  |       | 3    |          |            | 8.5  |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 8/1/1988   |       | 1.5  |          |            | 17.5 |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 8/1/1988   |       |      |          |            |      | 164  | 8.10 | 390  |    |         |     | 10  | 262 |     |    |    |    |    |    | 0.06  | 0.3   |    | 0.02  |    |    |    |    |    |     |        | 0     | 0.27   |      |
| 6/1/1988   |       |      |          |            |      | 137  | 8.30 | 310  |    |         |     | 4   | 216 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.04  |    |    |    |    |    |     |        | 0     | 0.89   |      |
| 6/1/1988   |       | 4.8  |          |            | 16   |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 4/1/1988   |       |      |          |            |      | 63   | 7.90 | 171  |    |         |     | 23  | 162 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.03  |    |    |    |    |    |     |        | 0     | 0.79   |      |
| 4/1/1988   |       | 92.6 |          |            | 4.5  |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 10/1/1987  |       |      |          |            |      | 164  | 7.40 | 359  |    |         |     | 9   | 210 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.02  |    |    |    |    |    |     |        | 0     | 0.41   |      |
| 10/1/1987  |       | 2.7  |          |            | 9    |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 8/1/1987   |       |      |          |            |      | 142  | 8.00 | 319  |    |         |     | 166 | 228 |     |    |    |    |    |    | 0.03  | 0.01  |    | 0.14  |    |    |    |    |    |     |        | 0     | 7.8    |      |
| 8/1/1987   |       | 6.7  |          |            | 11   |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 6/1/1987   |       | 11.3 |          |            | 14   |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 6/1/1987   |       |      |          |            |      | 151  | 8.70 | 348  |    |         |     | 342 | 263 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.34  |    |    |    |    |    |     |        | 0     | 9.2    |      |
| 5/1/1987   |       | 192  |          |            |      |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      | 0.42 |
| 5/1/1987   |       |      |          |            |      | 56   | 7.80 | 145  |    |         |     | 38  | 117 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0.02  |    |    |    |    |    |     |        | 0     |        |      |
| 12/1/1986  |       | 37.9 |          |            |      |      |      |      |    |         |     |     |     |     |    |    |    |    |    |       |       |    |       |    |    |    |    |    |     |        |       | 0      |      |
| 12/1/1986  |       |      |          |            |      | 129  | 8.10 | 290  |    |         |     | 40  | 193 |     |    |    |    |    |    | 0.01  | 0.01  |    | 0     |    |    |    |    |    |     |        | 0     | 0.91   |      |
| 9/1/1986   |       |      |          |            |      | 68   | 7.30 | 179  |    |         |     | 236 | 114 |     |    |    |    |    |    | 0.01  | 0.02  |    | 0.01  |    |    |    |    |    |     |        | 0     | 11     |      |

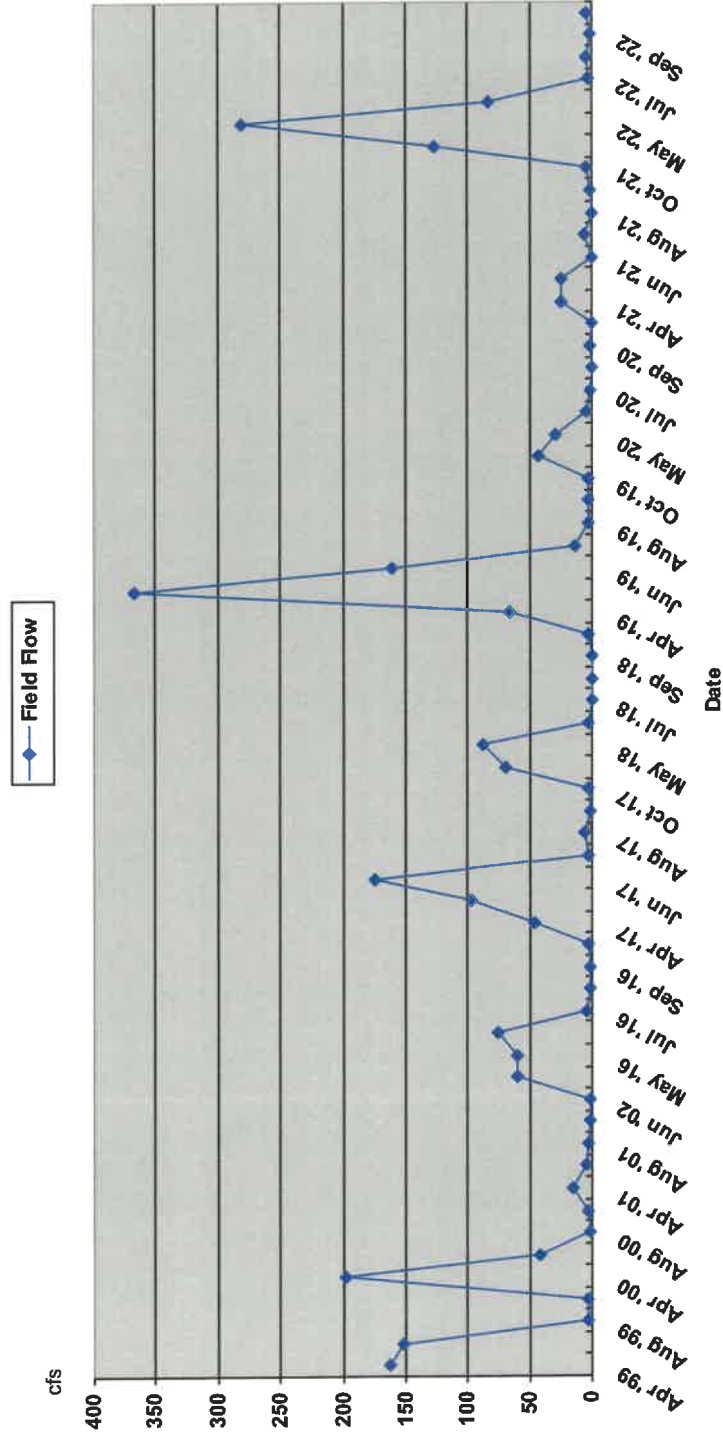
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: H-1

| Date     | Time | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO | Al | As | Cd | Ca   | Cu   | Pb | Mg | Mn   | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dls |
|----------|------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|-----|----|----|----|----|------|------|----|----|------|----|----|----|----|----|-----|--------|-------|--------|
| 9/1/1986 |      | 0    |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |      |      |    |    |      |    |    |    |    |    |     |        |       |        |
| 6/1/1986 |      |      |          |            |     | 54   | 7.40 | 128  |    |         |     | 36  | 90  |     |    |    |    |    | 0.01 | 0.02 |    |    | 0.02 |    |    |    |    | 0  | 0   | 0      | 1.51  |        |
| 6/1/1986 |      | 37.7 |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |      |      |    |    |      |    |    |    |    |    |     |        |       |        |
| 3/1/1986 |      | 114  |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |      |      |    |    |      |    |    |    |    |    |     |        |       |        |
| 3/1/1986 |      |      |          |            |     | 113  | 7.70 | 267  |    |         |     | 150 | 164 |     |    |    |    |    | 0.01 | 0.01 |    |    | 0.01 |    |    |    |    | 0  | 0   | 0      | 0.16  |        |

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: H-1

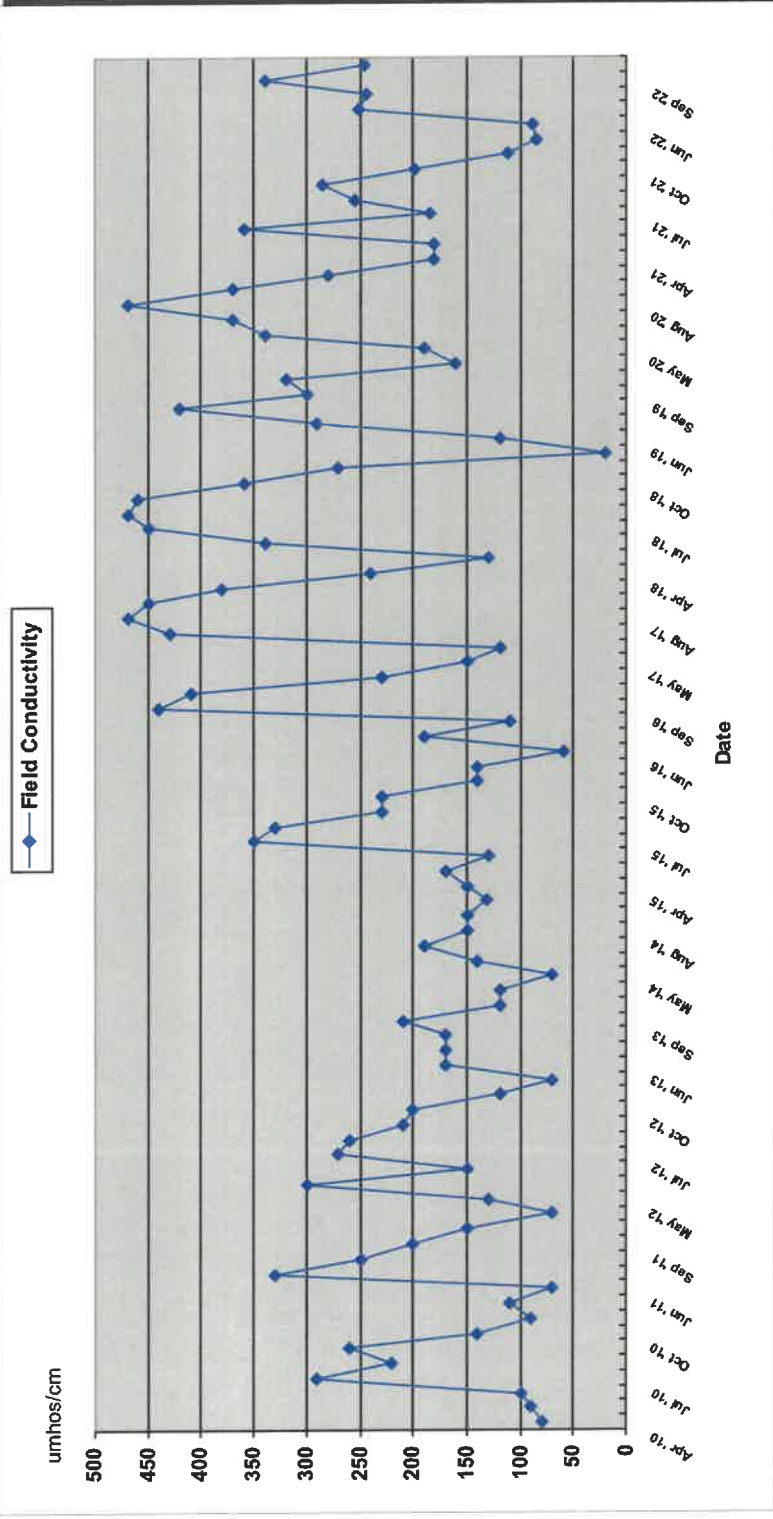


Oxbow Mining, LLC., Elk Creek Mine

Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

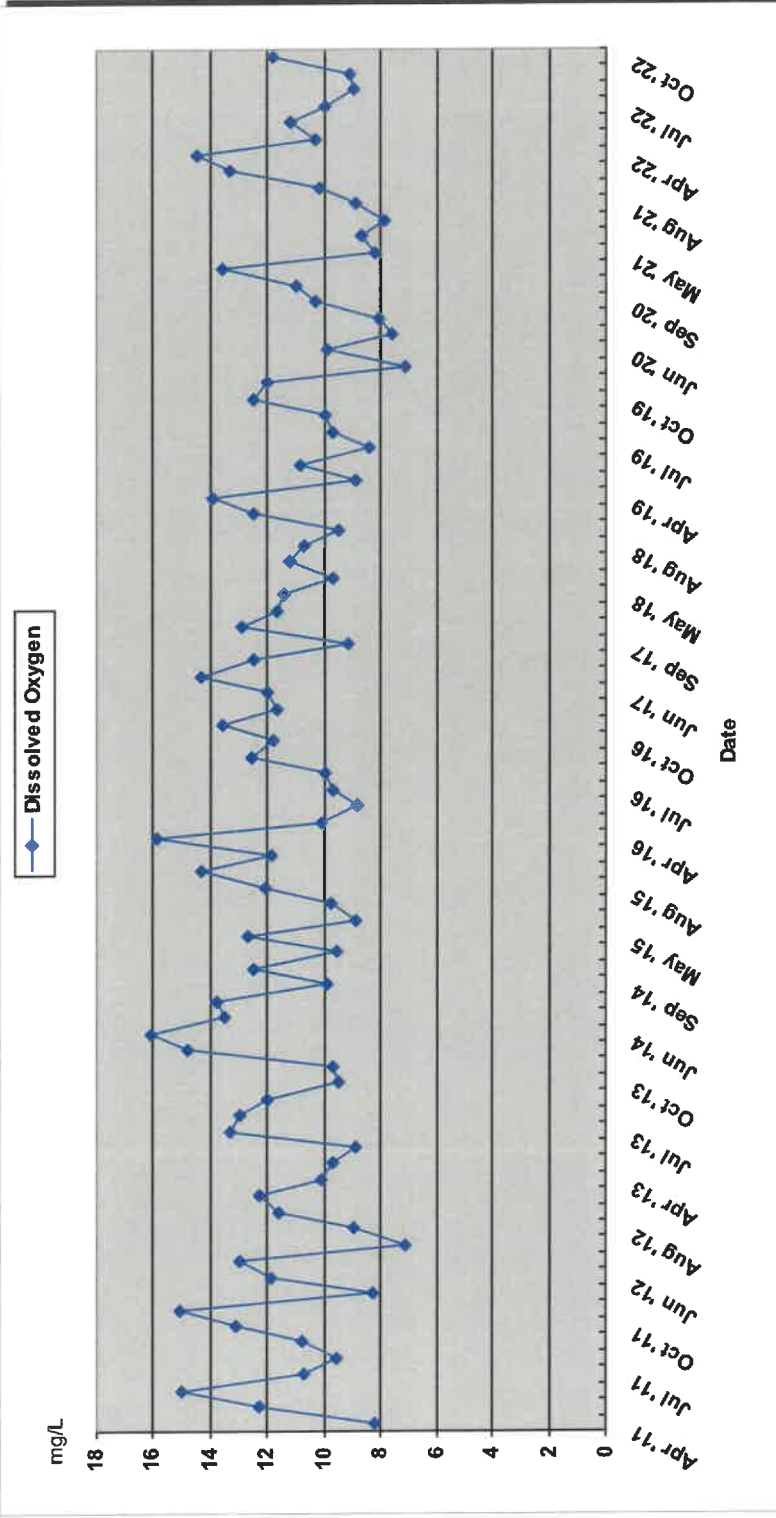
SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

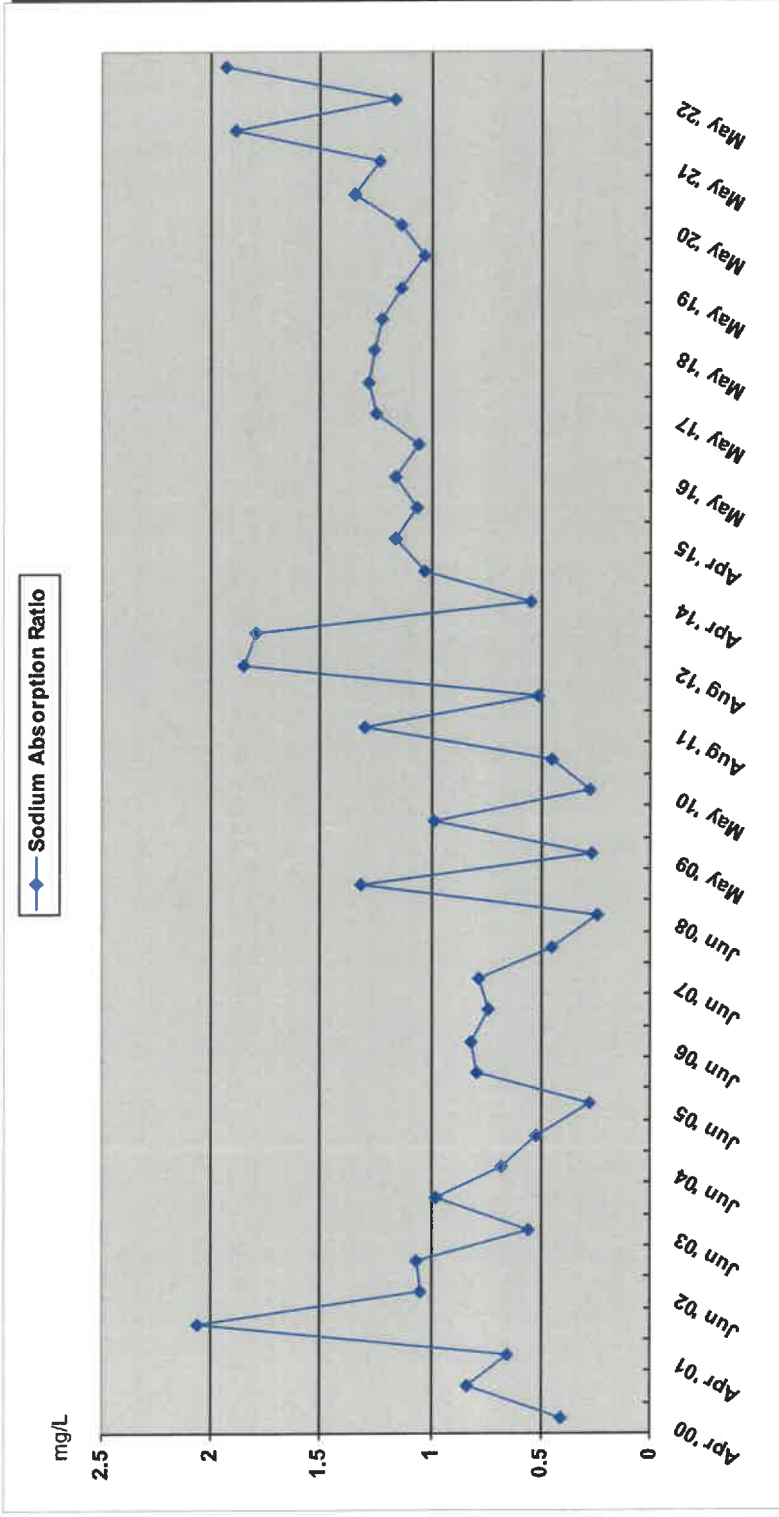
SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

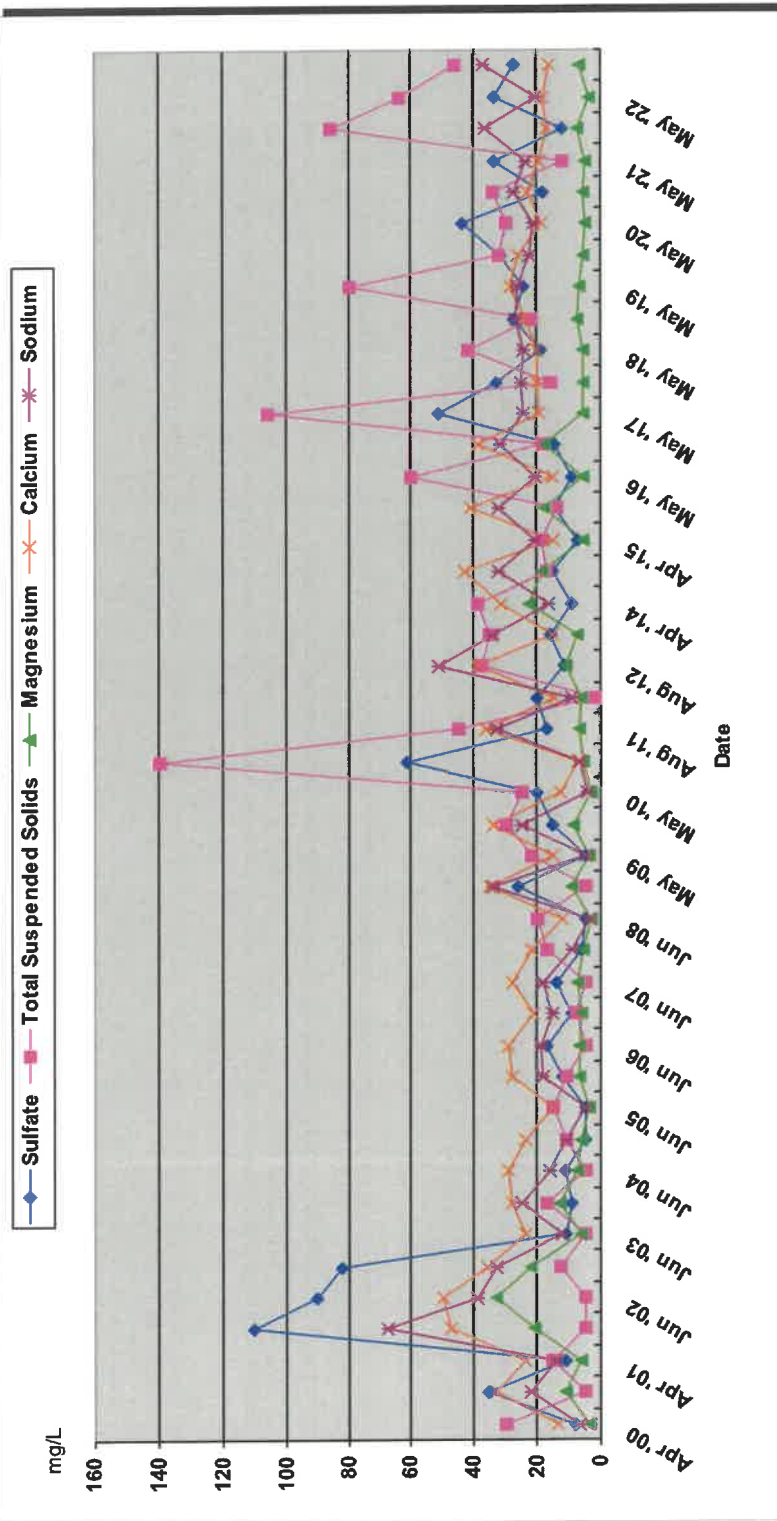
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: H-1



# MONITORING CHART FOR 2022 AHR

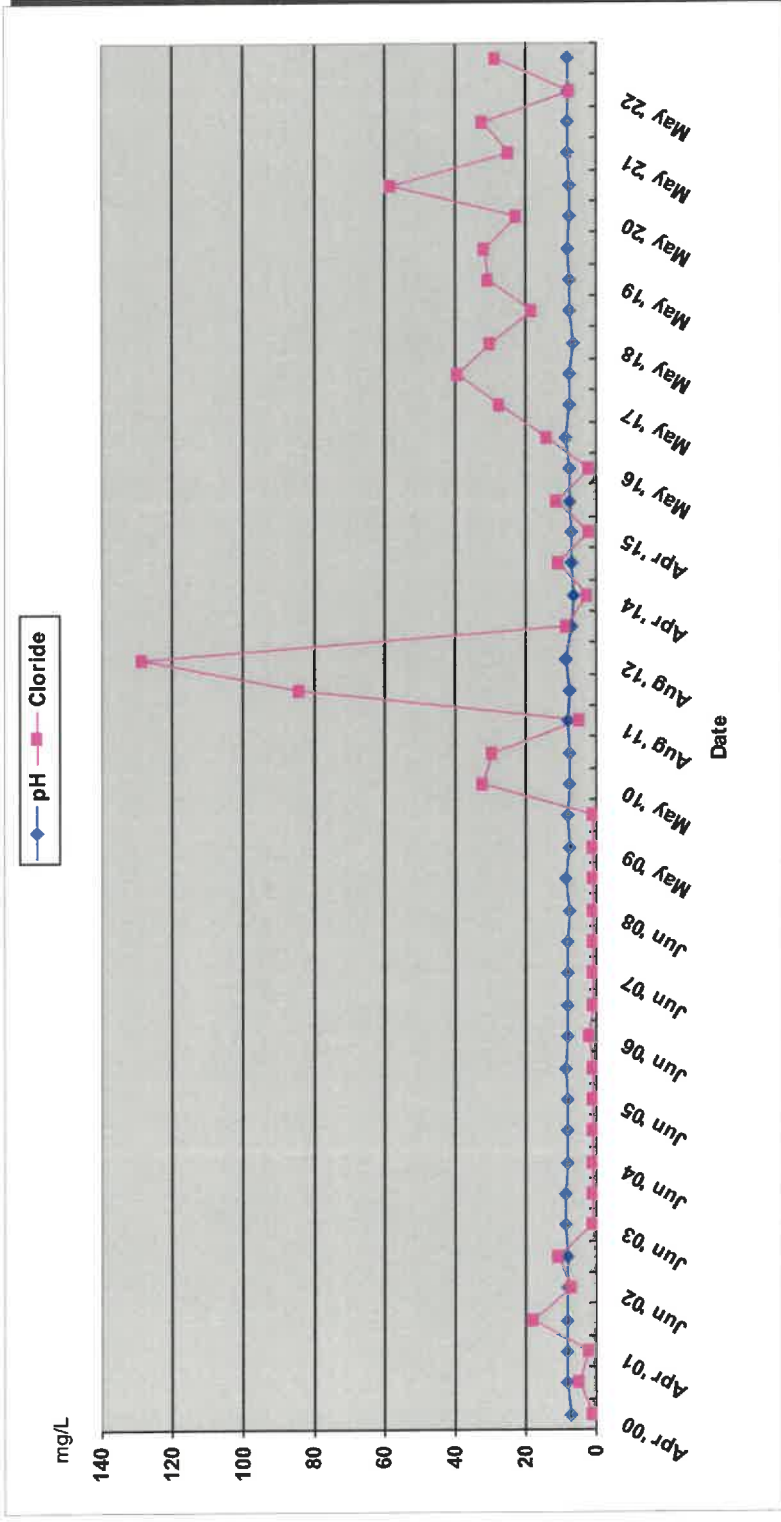
SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

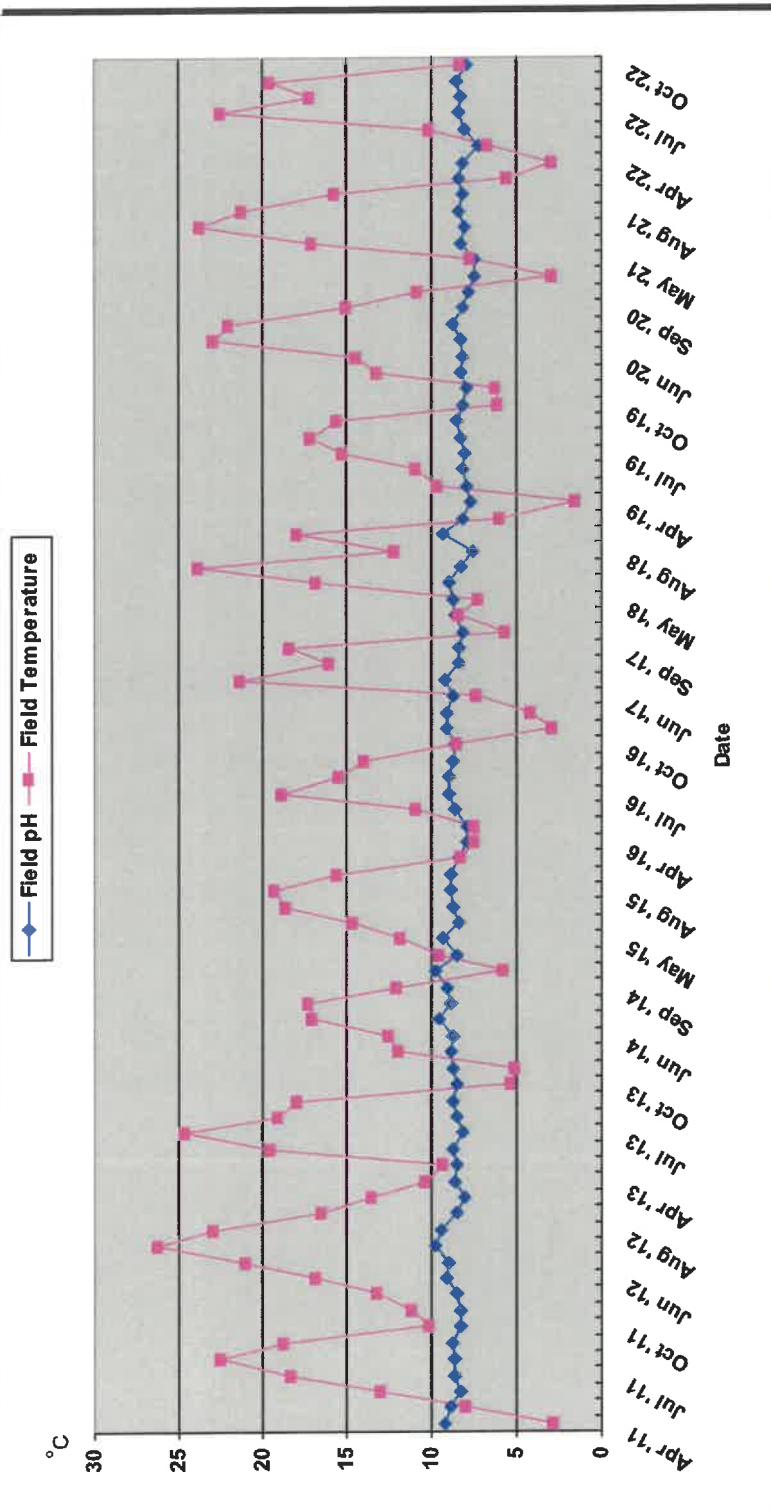
SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

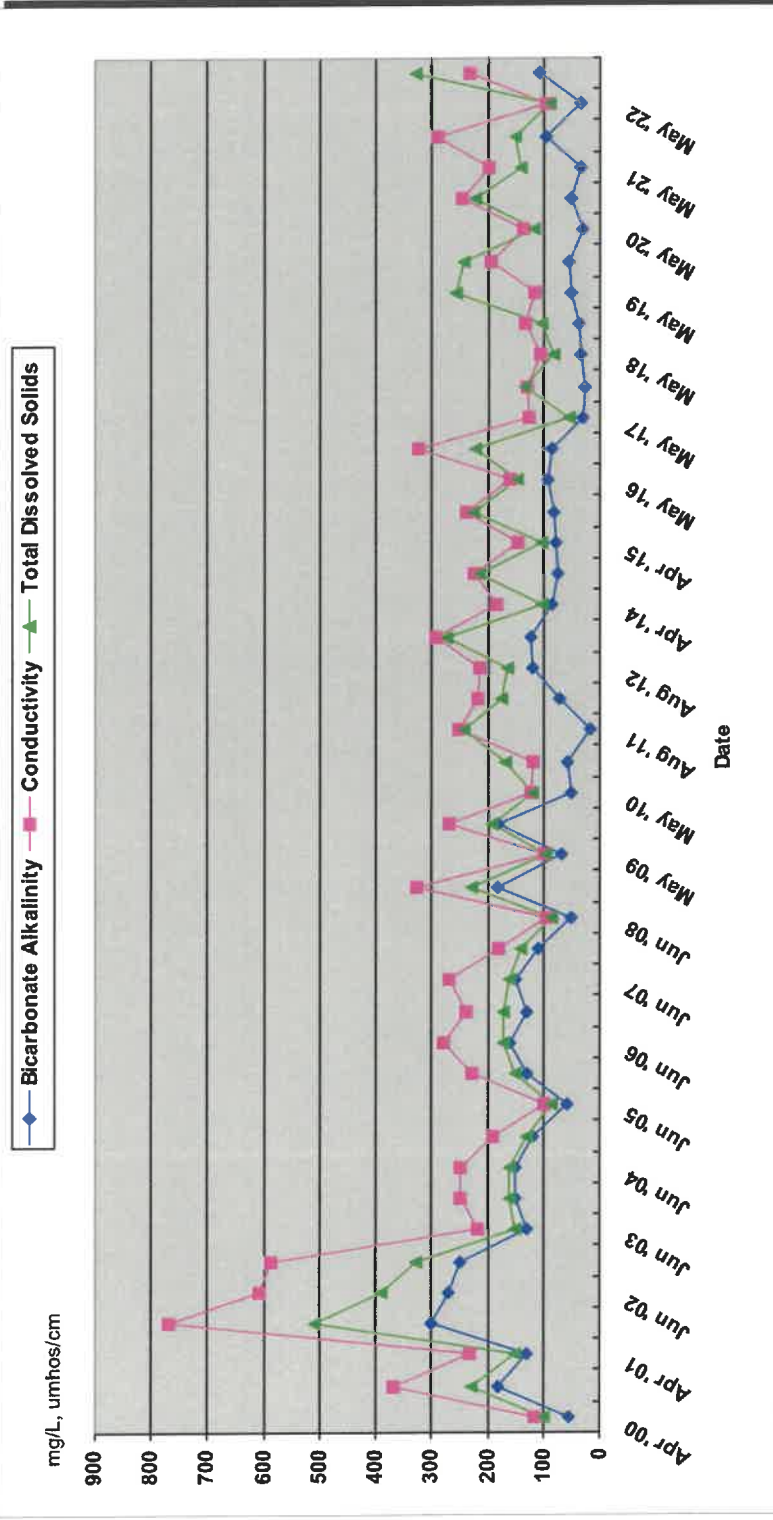
SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

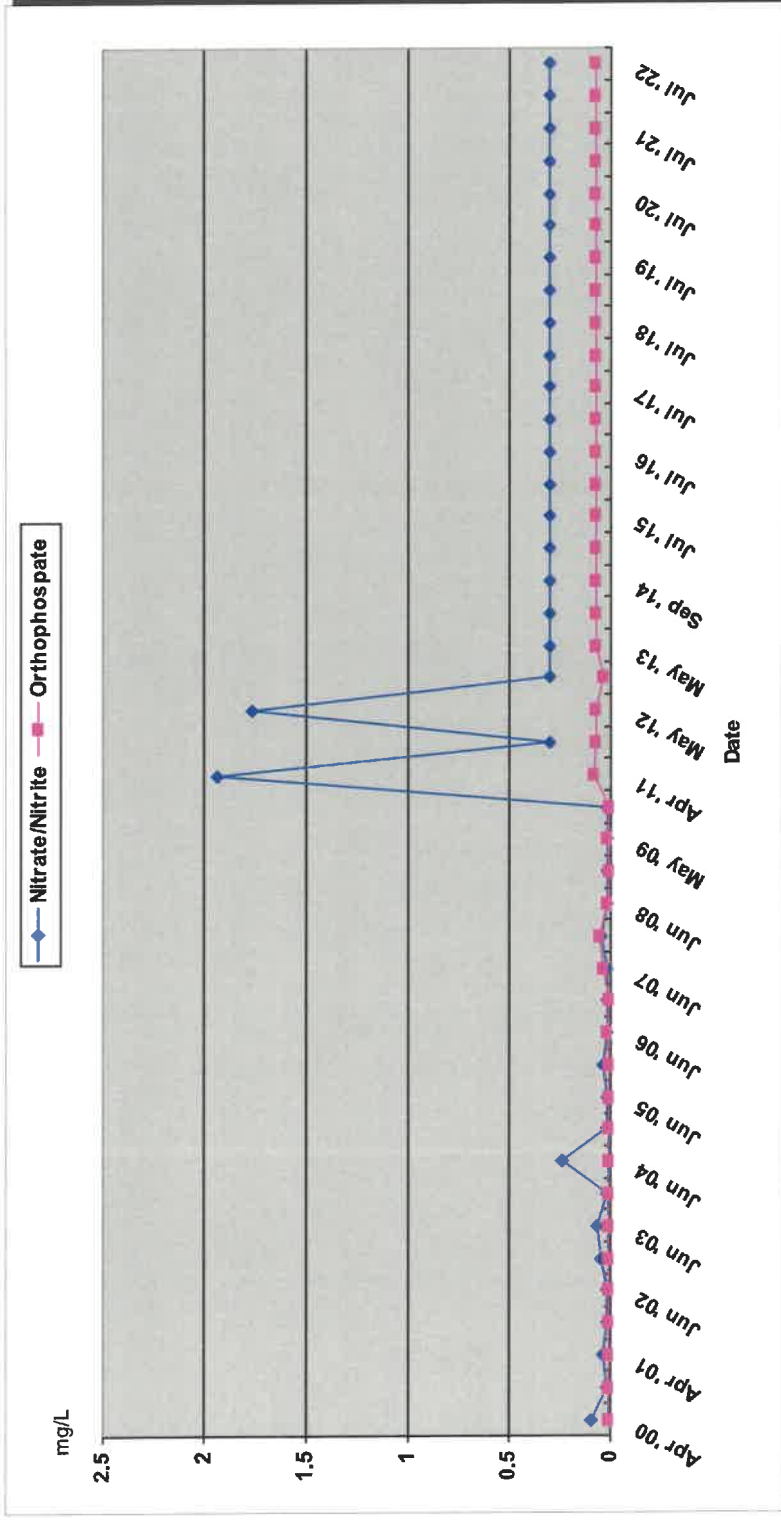
SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: H-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

B-1 BEAR CREEK

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: B-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|-----|-----|------|------|----|----|----|------|----|----|------|----|----|----|----|------|----|-----|--------|-------|--------|
| 10/12/2022 | 13:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 9/8/2022   | 13:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 8/12/2022  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 7/18/2022  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 6/7/2022   | 10:35 | 0.3  | 8.1      | 522        | 10.5 |        |      |      |       |         |       |     |     | 11   |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 5/9/2022   | 13:05 | 14   | 7.7      | 157        | 9    | 99.23  | 7.94 | 166  | 28    | 0.3     | 52.35 | 34  | 130 | 0.08 | 10.1 |    |    |    | 34.9 |    |    | 11.0 |    |    |    |    | 38.1 |    |     | 0.053  | 0.011 |        |
| 5/9/2022   |       |      |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 4/26/2022  | 10:50 | 36   | 8.4      | 113        | 3    |        |      |      |       |         |       |     |     |      | 13.5 |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 10/21/2021 | 14:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 9/20/2021  | 14:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 8/12/2021  | 14:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 7/26/2021  | 14:10 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 6/11/2021  | 11:46 | 0.01 | 8.1      | 1100       | 15   |        |      |      |       |         |       |     |     | 9.4  |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 5/18/2021  | 11:15 | 0.8  | 7.9      | 770        | 8.8  | 99.23  | 7.75 | 449  | 94.96 | 0.3     | 33.75 | 62  | 394 | 0.08 | 7.9  |    |    |    | 54.9 |    |    | 12.7 |    |    |    |    | 56.9 |    |     | 0.062  | 0.014 |        |
| 4/12/2021  | 12:30 | 4.4  | 7.7      | 510        | 6    |        |      |      |       |         |       |     |     | 11   |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 10/6/2020  | 13:20 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 9/15/2020  | 23:55 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 8/12/2020  | 13:50 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 7/13/2020  | 15:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 6/2/2020   | 10:30 | 0.05 | 7.9      | 1050       | 12.7 |        |      |      |       |         |       |     |     | 10.6 |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 5/18/2020  | 13:20 | 0.49 | 8.5      | 710        | 13.1 | 89.23  | 7.59 | 280  | 51.9  | 0.3     | 46.74 | 22  | 263 | 0.08 | 7.9  |    |    |    | 37.5 |    |    | 11.3 |    |    |    |    | 39.2 |    |     | 0.069  | 0.014 |        |
| 4/27/2020  | 11:50 | 11   | 8.2      | 270        | 8.4  |        |      |      |       |         |       |     |     | 11.8 |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 10/17/2019 | 9:30  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 9/18/2019  | 13:55 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 8/20/2019  | 10:20 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 7/10/2019  | 13:00 | 0.07 | 7.6      | 1150       | 14.8 | 126.9  | 8.03 | 590  | 40.06 | 0.3     | 90.55 | 14  | 496 | 0.08 | 8.2  |    |    |    | 48.7 |    |    | 12.8 |    |    |    |    | 45.6 |    |     | 0.048  | 0.011 |        |
| 6/7/2019   | 11:30 | 6.5  | 8.3      | 380        | 10.4 |        |      |      |       |         |       |     |     | 11.2 |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 5/13/2019  | 13:29 | 17.2 | 8.1      | 20         | 9.3  | 87.04  | 7.35 | 146  | 60.85 | 0.3     | 24.7  | 60  | 352 | 0.08 | 9.4  |    |    |    | 46.2 |    |    | 12.2 |    |    |    |    | 43.8 |    |     | 0.055  | 0.012 |        |
| 4/12/2019  | 11:30 | 9.3  | 7.8      | 340        | 2.9  |        |      |      |       |         |       |     |     | 13.5 |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 10/17/2018 | 11:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 9/14/2018  | 10:40 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 8/27/2018  | 10:15 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 7/11/2018  | 13:35 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 6/22/2018  | 9:40  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |
| 5/14/2018  | 11:00 | 0.24 | 8.8      | 970        | 10.1 | 117.51 | 7.28 | 576  | 83.5  | 0.3     | 88.49 | 38  | 446 | 0.08 | 10.3 |    |    |    | 42.5 |    |    | 12.7 |    |    |    |    | 39.5 |    |     | 0.088  | 0.018 |        |
| 4/24/2018  | 13:50 | 3.3  | 8.8      | 560        | 11.1 |        |      |      |       |         |       |     |     | 11   |      |    |    |    |      |    |    |      |    |    |    |    |      |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: B-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl   | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Cu   | Pb | Mg   | Mn | Hg | Mo | Se | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|--------|------|------|------|---------|-------|-----|-----|------|------|----|----|----|------|----|------|----|----|----|----|-------|----|-----|--------|-------|--------|
| 10/19/2017 | 10:25 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/11/2017  | 11:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/8/2017   | 10:30 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/18/2017  | 13:10 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/6/2017   | 10:15 | 1.2  | 8.9      | 730        | 11.6 |        |      |      |      |         |       |     |     |      | 11.3 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/17/2017  | 10:00 | 5.2  | 8.6      | 440        | 6.4  | 105.34 | 7.47 | 339  | 61.5 | 0.3     | 43.17 | 30  | 266 | 0.08 | 12   |    |    |    | 43.3 |    | 12.4 |    |    |    |    | 41.6  |    |     | 0      | 0.076 | 0.016  |
| 4/28/2017  | 10:00 | 11.7 | 9        | 290        | 3.3  |        |      |      |      |         |       |     |     |      | 13.5 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 10/28/2016 | 10:45 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/22/2016  | 9:45  | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/25/2016  | 10:55 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/25/2016  | 11:15 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/9/2016   | 11:15 | 1.2  | 8.5      | 240        | 11.3 |        |      |      |      |         |       |     |     |      | 11.3 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/23/2016  | 10:45 | 7.2  | 8.7      | 50         | 7.7  | 154.26 | 8.18 | 259  | 5.45 | 0.3     | 20.17 | 10  | 249 | 0.08 | 9.9  |    |    |    | 30.2 |    | 11.5 |    |    |    |    | 33.9  |    |     | 0      | 0.062 | 0.016  |
| 4/26/2016  | 13:15 | 12.5 | 7.9      | 150        | 6.6  |        |      |      |      |         |       |     |     |      | 13.1 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 10/21/2015 | 9:15  | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 10/13/2015 | 9:00  | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/18/2015  | 14:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/4/2015   | 13:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/21/2015  | 12:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/17/2015  | 13:00 | 1.12 | 10.3     | 5.1        | 18   |        |      |      |      |         |       |     |     |      | 15   |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/4/2015   | 2:30  | 1.37 | 9.4      | 380        | 12.5 |        |      |      |      |         |       |     |     |      | 14.5 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 4/14/2015  | 10:30 | 1.81 | 8.4      | 560        | 7.5  | 144.13 | 7.86 | 470  | 6.76 | 0.3     | 88.08 | 22  | 414 | 0.08 | 9.6  |    |    |    | 49.6 |    | 18.4 |    |    |    |    | 47.6  |    |     | 0      | 0.08  | 0.02   |
| 10/31/2014 | 11:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/10/2014  | 13:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/25/2014  | 14:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/8/2014   | 21:20 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/11/2014  | 15:00 | 0.69 | 9.1      | 430        | 13.5 |        |      |      |      |         |       |     |     |      | 10.4 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/19/2014  | 13:50 | 5.5  | 9.1      | 150        | 13.2 |        |      |      |      |         |       |     |     |      | 13   |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 4/8/2014   | 11:00 | 13.7 | 8.7      | 140        | 5.2  | 138.57 | 6.84 | 220  | 2.76 | 0.3     | 20.08 | 112 | 187 | 0.08 | 9.7  |    |    |    | 25.4 |    | 20.6 |    |    |    |    | 19.82 |    |     | 0      | 2.91  | 0.07   |
| 10/18/2013 | 14:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 9/9/2013   | 10:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 8/16/2013  | 10:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 7/18/2013  | 13:00 | 0    |          |            |      |        |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 6/4/2013   | 13:00 | 0.6  | 8.4      | 330        | 13   |        |      |      |      |         |       |     |     |      | 8    |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |
| 5/6/2013   | 11:00 | 5.5  | 8.4      | 140        | 11.9 | 146.44 | 7.43 | 444  | 4.54 | 0.3     | 19.76 | 134 | 333 | 0.08 | 9.6  |    |    |    | 21   |    | 9.4  |    |    |    |    | 24    |    |     | 0      | 1.75  | 0.15   |
| 4/22/2013  | 14:20 | 3.7  | 8.5      | 180        | 10   |        |      |      |      |         |       |     |     |      | 17.1 |    |    |    |      |    |      |    |    |    |    |       |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: B-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond  | Cl    | NO3/NO2 | SO4   | TSS | TDS | PO4   | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se    | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|-------|----------|------------|------|--------|------|-------|-------|---------|-------|-----|-----|-------|------|----|----|----|------|----|----|------|----|----|----|-------|----|----|-----|--------|-------|--------|
| 10/10/2012 | 13:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/16/2012  | 13:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/2/2012   | 12:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/30/2012  | 13:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/8/2012   | 12:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/9/2012   | 13:30 | 0.25  | 8.9      | 430        | 13   | 183.41 | 8.24 | 574   | 44.67 | 2.55    | 17.52 | 11  | 419 | 0.08  | 8.6  |    |    |    | 50.2 |    |    | 19.8 |    |    |    | 53.8  |    |    |     | 0      | 0.06  | 0.03   |
| 4/23/2012  | 14:45 | 1.8   | 9.5      | 270        | 14.9 |        |      |       |       |         |       |     |     |       | 12.1 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/18/2011 | 13:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/6/2011   | 12:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/15/2011  | 13:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/26/2011  | 14:00 | 0     | 8.2      | 690        | 16.9 |        |      |       |       |         |       |     |     |       | 10.1 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/14/2011  | 13:30 | 3.63  | 8.9      | 360        | 8.6  |        |      |       |       |         |       |     |     |       | 16.1 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/23/2011  | 13:30 | 11    | 8.8      | 130        | 10.8 |        |      |       |       |         |       |     |     |       | 14   |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 4/19/2011  | 12:00 | 41.25 | 9        | 80         | 4.4  | 84.2   | 7.30 | 106   | 11.2  | 2.28    | 54.88 | 320 | 176 | 0.082 | 8.4  |    |    |    | 7.27 |    |    | 7.6  |    |    |    | 8.21  |    |    |     | 14.09  | 0.4   |        |
| 10/27/2010 | 2:15  | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/27/2010  | 2:15  | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/5/2010   | 2:00  | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/15/2010  | 1:00  | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/4/2010   | 12:00 | 1.37  | 9.2      | 370        | 22.3 |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/18/2010  | 12:00 | 14.7  | 8.9      | 140        | 9.8  | 71.67  | 7.97 | 181.7 | 10.9  | 4.04    | 18.52 | 55  | 138 | 0     | 8.3  |    |    |    | 16.2 |    |    | 4.2  |    |    |    | 12.18 |    |    |     | 0      | 0.19  | 0.12   |
| 4/22/2010  | 2:00  | 33    | 8.6      | 80         | 6.3  |        |      |       |       |         |       |     |     |       | 15   |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/12/2009 | 12:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/25/2009  | 12:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/5/2009   | 11:00 | 0     | 8.4      | 910        | 14   |        |      |       |       |         |       |     |     |       | 12.4 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/12/2009  | 11:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/22/2009  | 10:45 | 0.82  | 7.8      | 530        | 17.8 |        |      |       |       |         |       |     |     |       | 12.5 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/6/2009   | 10:50 | 8.25  | 7.9      | 110        | 8    | 87     | 7.95 | 140   | 1     | 0.08    | 9     | 95  | 130 | 0.02  | 13.2 |    |    |    | 16   |    |    | 4.5  |    |    |    | 12    |    |    |     | 1.2    | 0.04  |        |
| 4/29/2009  | 12:30 | 16.5  | 8.7      | 120        | 8.9  |        |      |       |       |         |       |     |     |       | 14.7 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/15/2008 | 14:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/11/2008  | 14:00 | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/7/2008   | 13:35 | 0     | 7.9      | 510        | 18.6 | 350    | 8.02 | 620   | 3     | 0.04    | 74    | 5   | 410 | 0.02  | 16.7 |    |    |    | 61   |    |    | 15.0 |    |    |    | 61    |    |    |     | 0      | 0.12  | 0.03   |
| 7/29/2008  | 14:30 | 0     | 8.4      | 1040       | 20.1 |        |      |       |       |         |       |     |     |       | 16.7 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/18/2008  | 12:00 | 1.92  | 8.7      | 450        | 18.3 | 270    | 8.46 | 520   | 3     | 0.16    | 69    | 11  | 340 | 0.02  | 6.7  |    |    |    | 50   |    |    | 17.0 |    |    |    | 53    |    |    |     | 0      | 0.24  | 0.01   |
| 5/23/2008  | 11:10 | 12    | 8.5      | 180        | 8.4  |        |      |       |       |         |       |     |     |       | 5    |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 4/18/2008  | 15:40 | 11.55 | 8.2      | 120        | 14.1 |        |      |       |       |         |       |     |     |       | 8.3  |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/25/2007 | 2:30  | 0     |          |            |      |        |      |       |       |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: B-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca | Cu | Pb | Mg   | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |      |
|------------|-------|-------|----------|------------|------|------|------|------|----|---------|-----|-----|-----|------|------|----|----|----|----|----|----|------|----|----|----|----|----|----|-----|--------|-------|--------|------|
| 8/11/2007  | 13:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |        |      |
| 8/7/2007   | 13:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |        |      |
| 7/17/2007  | 13:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |        |      |
| 6/15/2007  | 1:20  | 0.03  | 8.33     | 560        | 14.9 | 300  | 8.28 | 600  | 3  | 0.14    | 70  | 9   | 370 | 0.02 | 4    |    |    |    | 51 |    |    | 21.0 |    |    |    |    | 49 |    |     | 0      | 0     | 1.5    | 0.01 |
| 5/15/2007  | 12:01 | 1.1   | 8.36     | 300        | 9.1  |      |      |      |    |         |     |     |     |      | 11.7 |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 4/26/2007  | 15:15 | 5     | 8.4      | 190        | 11.8 |      |      |      |    |         |     |     |     |      | 5    |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 10/17/2006 | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 9/27/2006  | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 8/10/2006  | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 7/21/2006  | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 6/13/2006  | 11:00 | 0     | 7.62     | 650        | 13.7 | 370  | 7.55 | 730  | 7  | 0.02    | 100 | 6   | 460 | 0.01 | 7.4  |    |    |    | 66 |    |    | 23.0 |    |    |    |    | 63 |    |     | 0      | 0     | 0.21   | 0.21 |
| 5/26/2006  | 10:30 | 1.8   | 8.54     | 420        | 10.2 |      |      |      |    |         |     |     |     |      | 10.4 |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 4/17/2006  | 14:25 | 42.07 | 7.63     | 90         | 9.4  |      |      |      |    |         |     |     |     |      | 12.5 |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 10/17/2005 | 11:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 9/22/2005  | 13:15 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 8/30/2005  | 13:40 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 8/5/2005   | 11:15 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 7/25/2005  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 6/17/2005  | 10:25 | 1.75  | 8.61     | 310        | 13   | 190  | 8.35 | 350  | 2  | 0.09    | 31  | 10  | 210 | 0.01 |      |    |    |    | 35 |    |    | 11.0 |    |    |    |    | 26 |    |     | 0      | 0     | 0.65   |      |
| 5/9/2005   | 14:50 | 56.54 | 8.02     | 110        | 13   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 4/18/2005  | 10:50 | 57.75 | 8.03     | 80         | 5    |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 10/8/2004  | 14:25 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 9/27/2004  | 11:45 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 8/23/2004  | 11:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 7/23/2004  | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 6/22/2004  | 12:20 | 0     | 7.55     | 790        | 15   | 390  | 7.63 | 800  | 8  | 0.02    | 130 | 38  | 500 | 0.03 |      |    |    |    | 78 |    |    | 28.0 |    |    |    |    | 64 |    |     | 0      | 0     | 6.9    |      |
| 5/20/2004  | 10:30 | 1.65  | 8.63     | 330        | 11   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 4/14/2004  | 14:45 | 14.4  | 8.54     | 140        | 11   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 10/13/2003 | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 9/17/2003  | 13:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 8/26/2003  | 10:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 7/28/2003  | 13:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 6/17/2003  | 13:45 | 0.09  | 8.43     | 550        | 17   | 280  | 8.14 | 600  | 4  | 0.2     | 84  | 5   | 370 | 0.01 |      |    |    |    | 50 |    |    | 21.0 |    |    |    |    | 50 |    |     | 0      | 0     | 0.45   | 0.01 |
| 5/13/2003  | 11:20 | 21    | 9.03     | 140        | 8    |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    | 0   | 0      |       |        |      |
| 4/10/2003  | 14:00 | 4     | 8.52     | 260        | 11   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     |        |       |        |      |

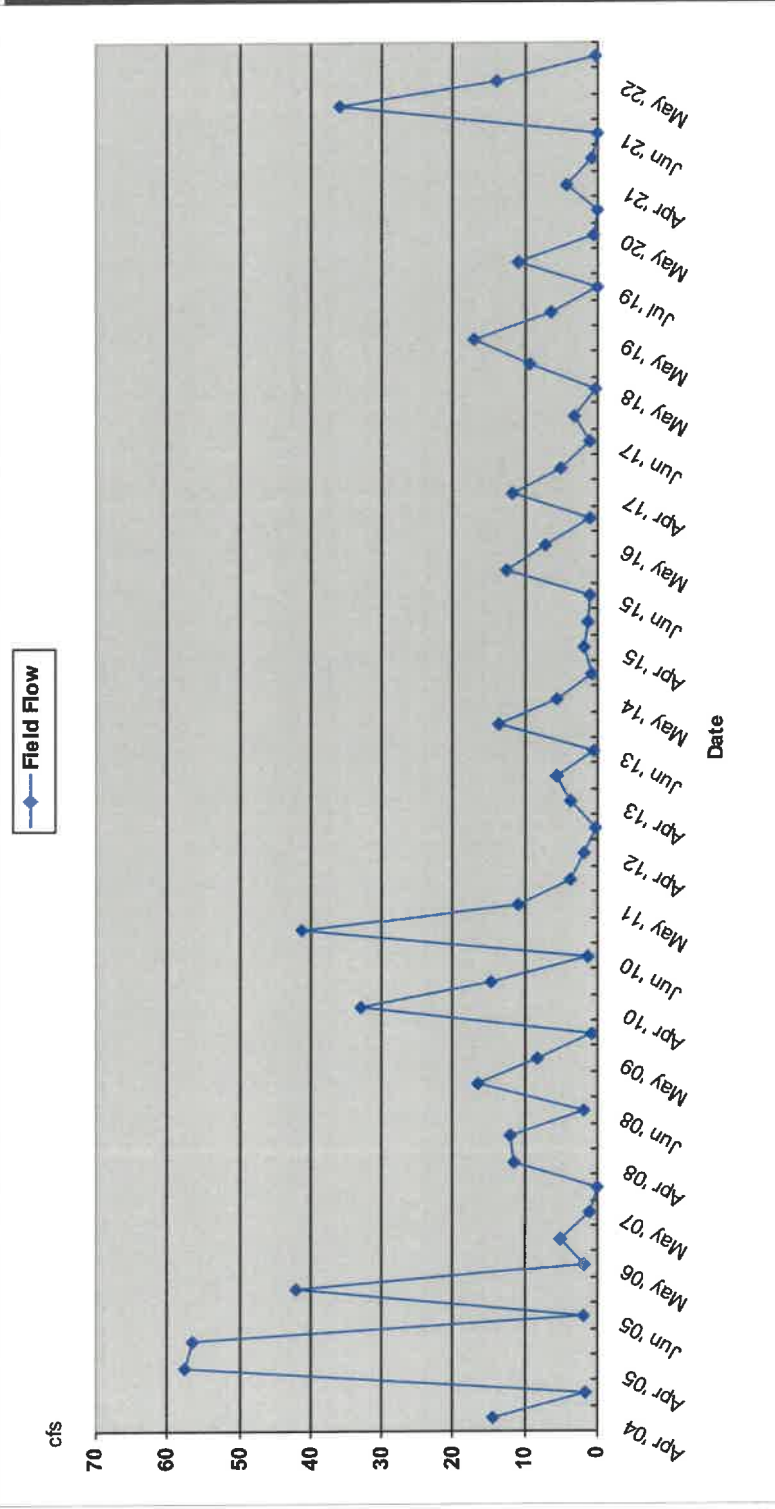
# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: B-1

| Date      | Time  | Flow  | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg   | Mn    | Hg     | Mo   | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |
|-----------|-------|-------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|------|-------|-------|------|-------|------|------|-------|--------|------|-------|------|-------|-----|--------|-------|--------|
| 7/30/2002 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |      |       |        |      |       |      |       |     |        |       |        |
| 6/23/2002 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |      |       |        |      |       |      |       |     |        |       |        |
| 6/29/2001 | 11:30 |       |          |            |     | 390  | 8.16 | 818  | 8  | 0.02    | 130 | 5   | 530 | 0.02 |    | 0.2  | 0.002 | 0.005 | 58.8 | 0.005 | 0.05 | 25.3 | 0.022 | 0.0002 | 0.05 | 0.002 | 68.7 | 0.006 | 0   | 0      | 0.06  |        |
| 6/29/2001 | 11:30 |       | 8.3      | 700        |     | 390  | 8.16 | 818  | 8  | 0.02    | 130 | 5   | 530 | 0.02 |    | 0.2  | 0.002 | 0.005 | 58.8 | 0.005 | 0.05 | 25.3 | 0.022 | 0.0002 | 0.05 | 0.002 | 68.7 | 0.006 | 0   | 0      | 0.06  |        |
| 3/30/2001 | 12:00 |       |          |            |     | 290  | 8.21 | 772  | 7  | 1.18    | 180 | 5   | 510 | 0.01 |    | 0.09 | 0.002 | 0.005 | 65.9 | 0.009 | 0.05 | 31.4 | 0.005 | 0.0002 | 0.05 | 0.002 | 65.4 | 0.011 | 0   | 0      | 0.05  |        |
| 6/29/2000 | 14:00 |       | 8.13     | 600        | 18  | 357  | 8.13 | 755  | 8  | 0.26    | 107 | 200 | 520 | 0.05 |    | 0.18 | 0.002 | 0.005 | 47.8 | 0.005 | 0.05 | 22.8 | 0.012 | 0.0002 | 0.05 | 0.002 | 74.6 | 0.012 | 0   | 0      | 0.17  |        |
| 3/28/2000 | 10:45 |       | 8        | 300        | 7   | 143  | 8.20 | 478  | 4  | 0.71    | 67  | 60  | 302 | 0.01 |    | 1.83 | 0.002 | 0.005 | 36.5 | 0.019 | 0.05 | 13.3 | 0.041 | 0.0002 | 0.05 | 0.002 | 40.7 | 0.025 | 0   | 0      | 2.07  |        |
| 6/29/1999 | 14:10 | 4     | 8.3      | 500        | 18  | 262  | 8.50 | 698  | 6  | 0.64    | 180 | 7   | 415 | 0.02 | 0  | 0.18 | 0.009 | 0.005 | 22.8 | 0.005 | 0.05 | 9.5  | 0.006 | 0.0002 | 0.05 | 0.002 | 36.9 | 0.007 | 0   | 0      | 0.07  |        |
| 3/30/1999 | 13:00 | 29.59 | 7.5      | 300        | 6   | 126  | 7.85 | 288  | 4  | 0.28    | 33  | 11  | 196 | 0.01 | 0  | 0.91 | 0.002 | 0.005 | 21.9 | 0.005 | 0.05 | 7.6  | 0.018 | 0.0002 | 0.05 | 0.002 | 22.7 | 0.006 | 0   | 0      | 0.93  |        |

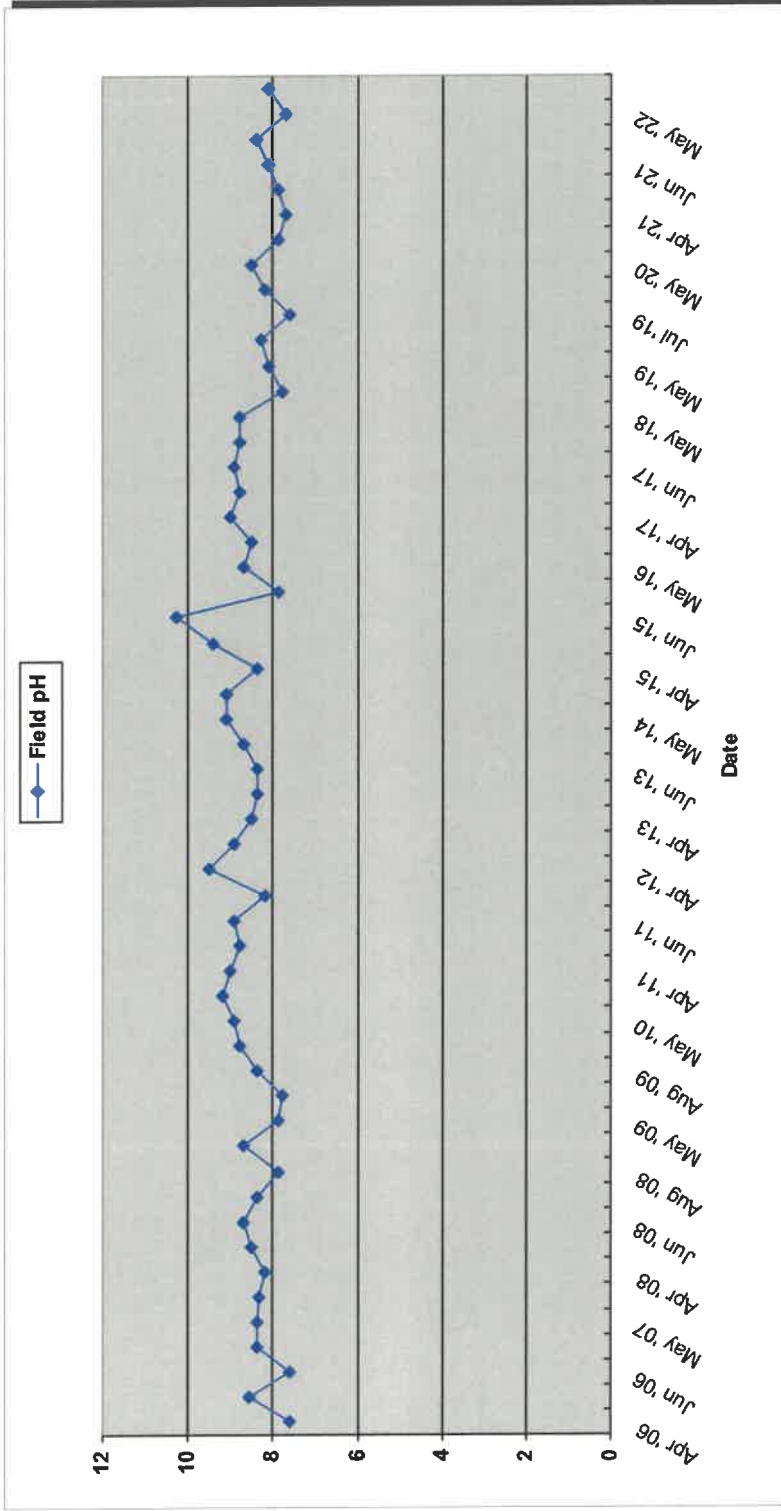
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: B-1



# MONITORING CHART FOR 2022 AHR

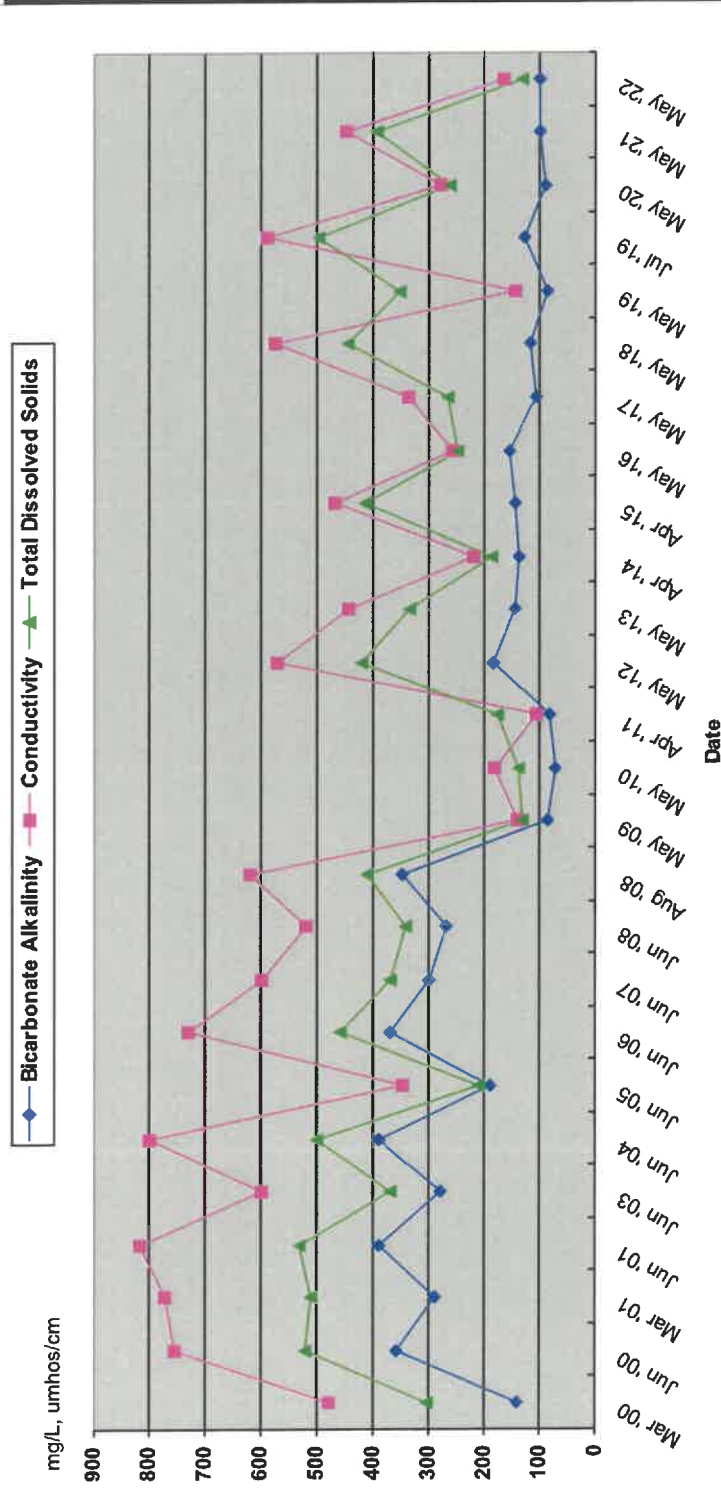
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 07-Mar-23

# MONITORING CHART FOR 2022 AHR

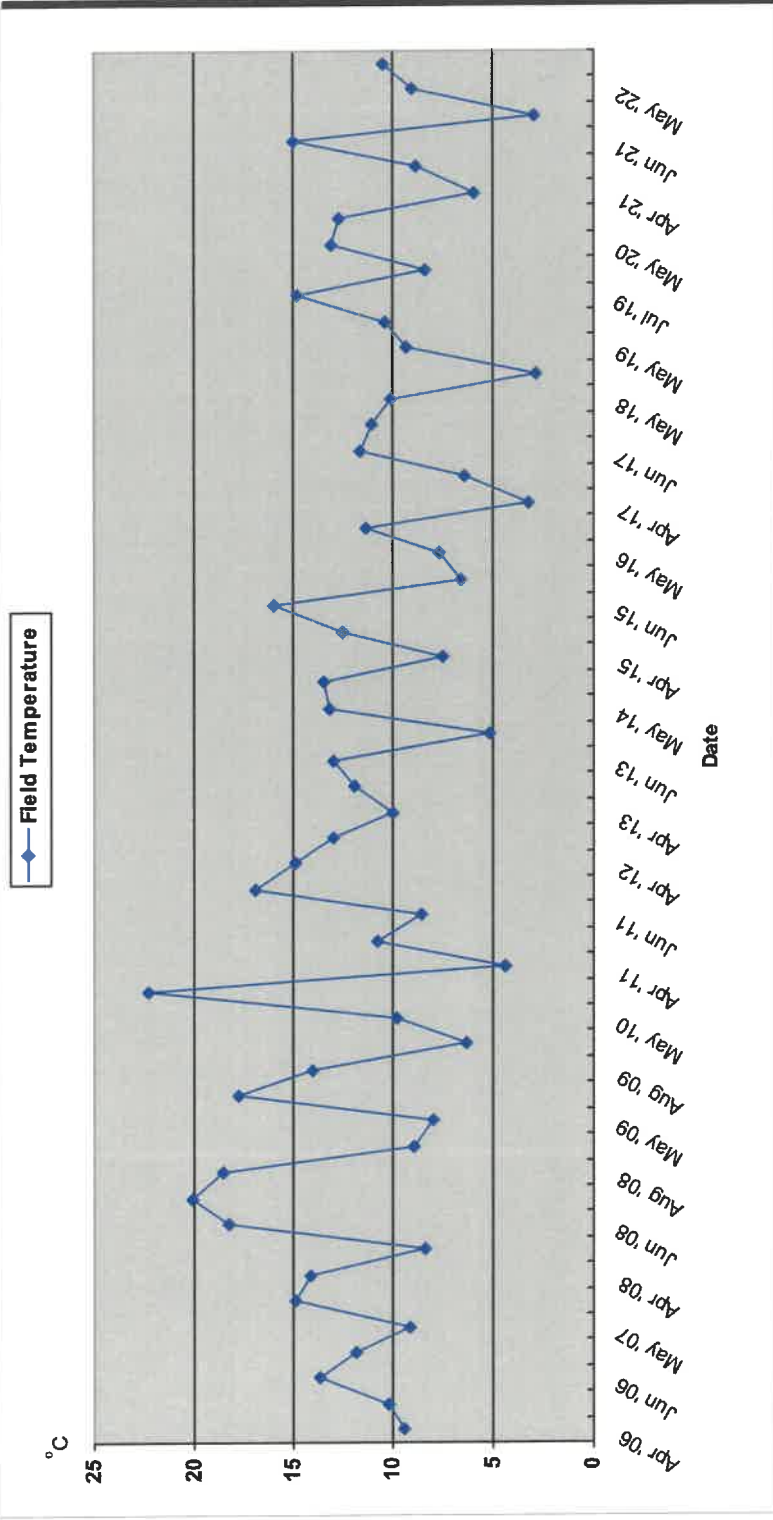
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

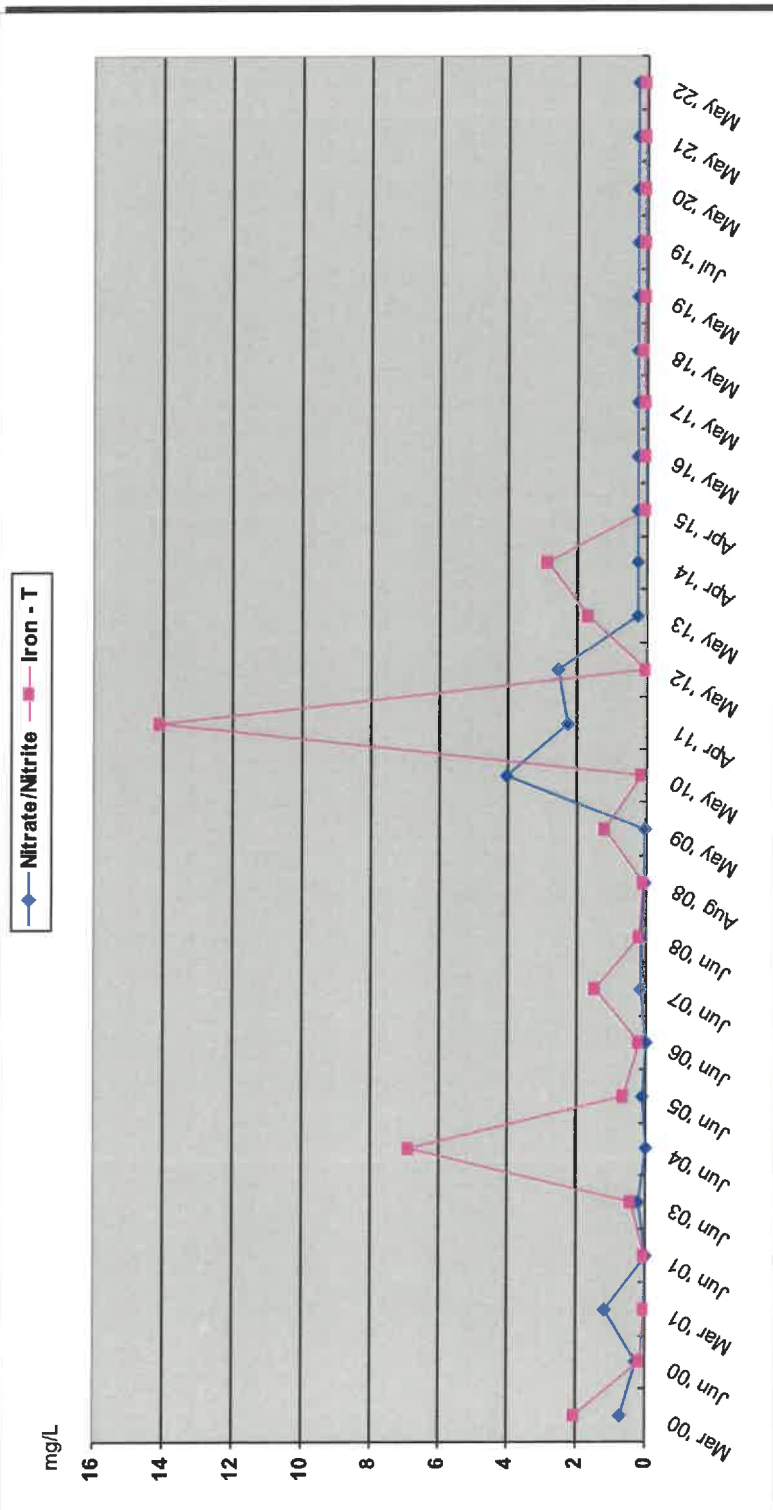
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: B-1



# MONITORING CHART FOR 2022 AHR

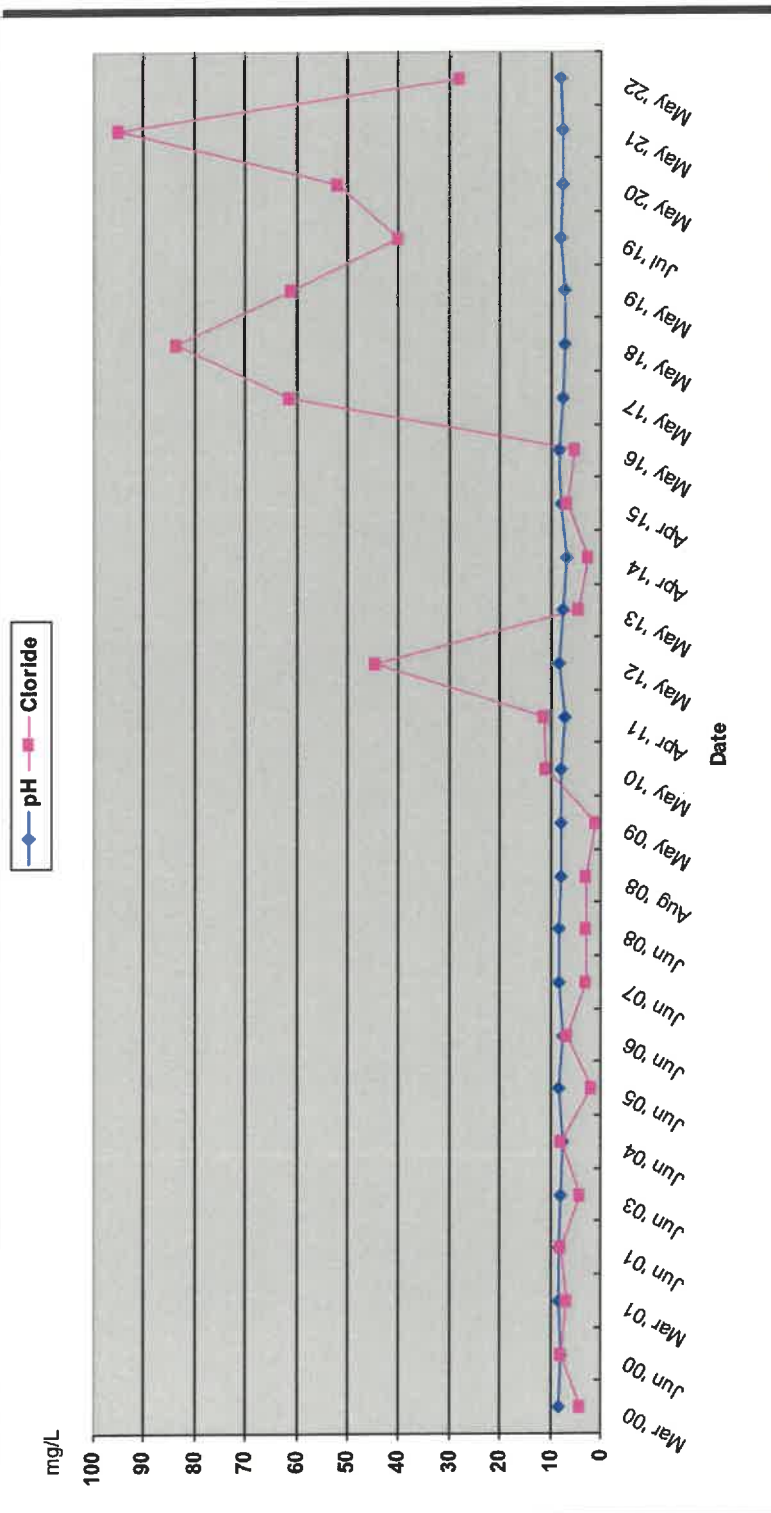
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

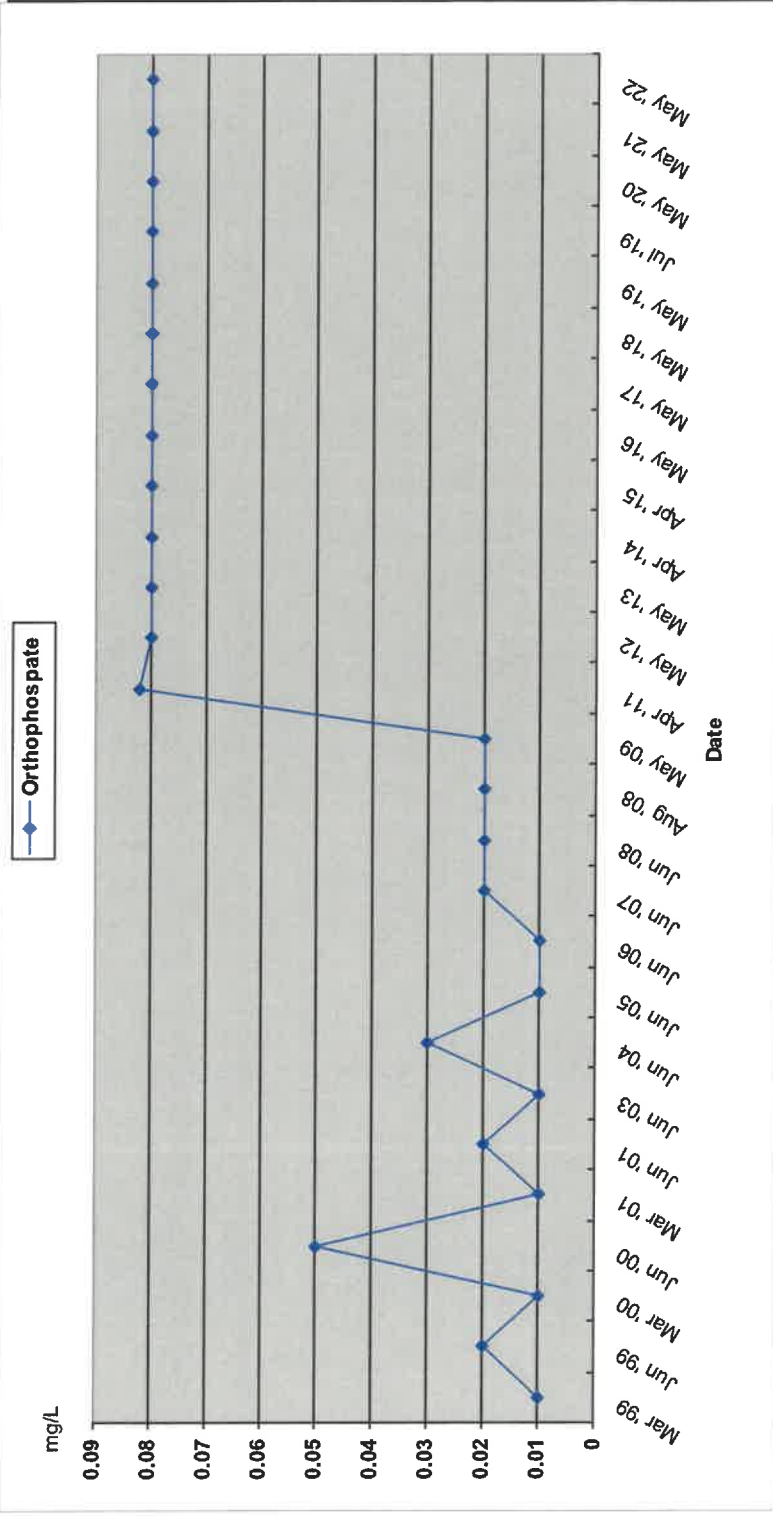
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

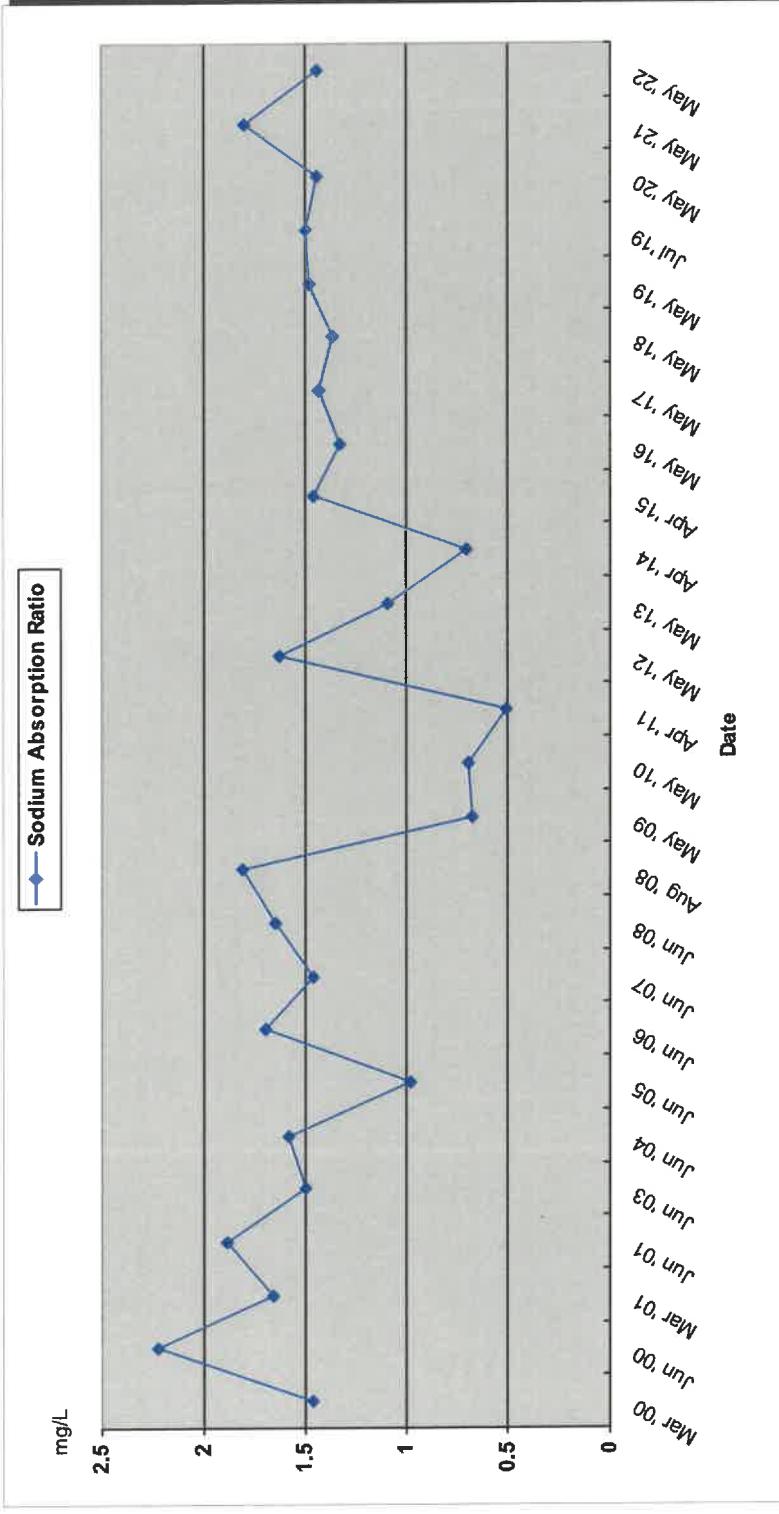
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 07-Mar-23

# MONITORING CHART FOR 2022 AHR

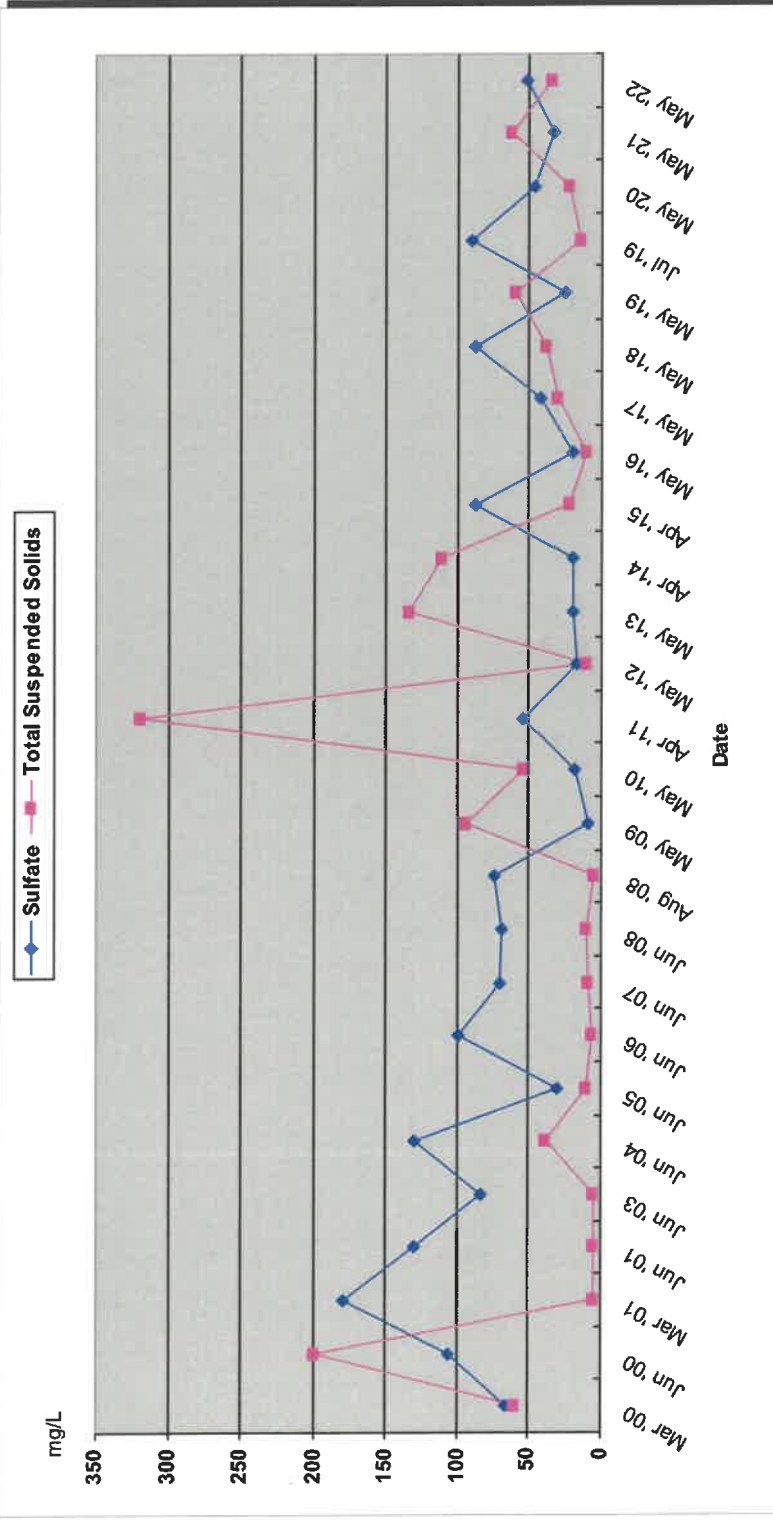
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

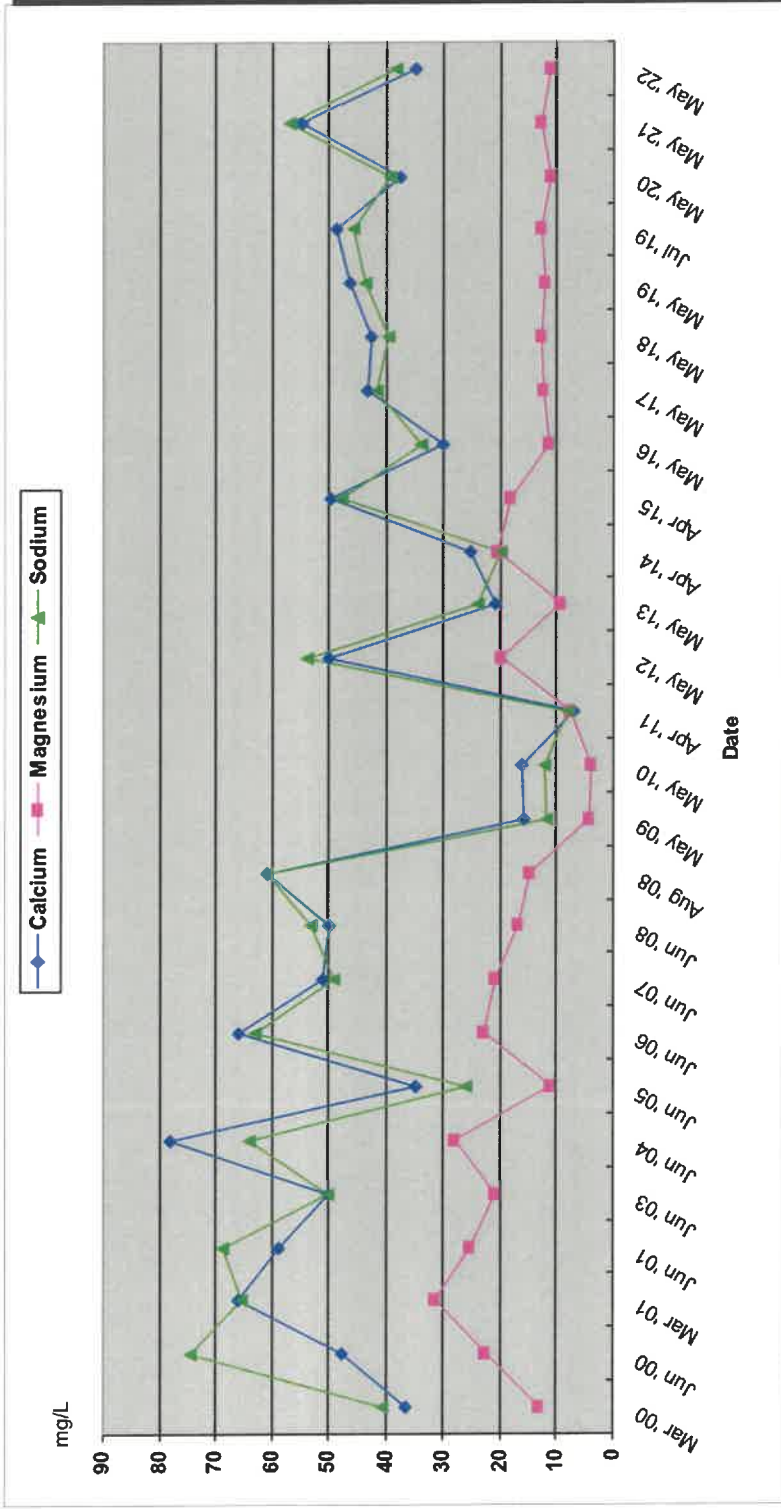
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

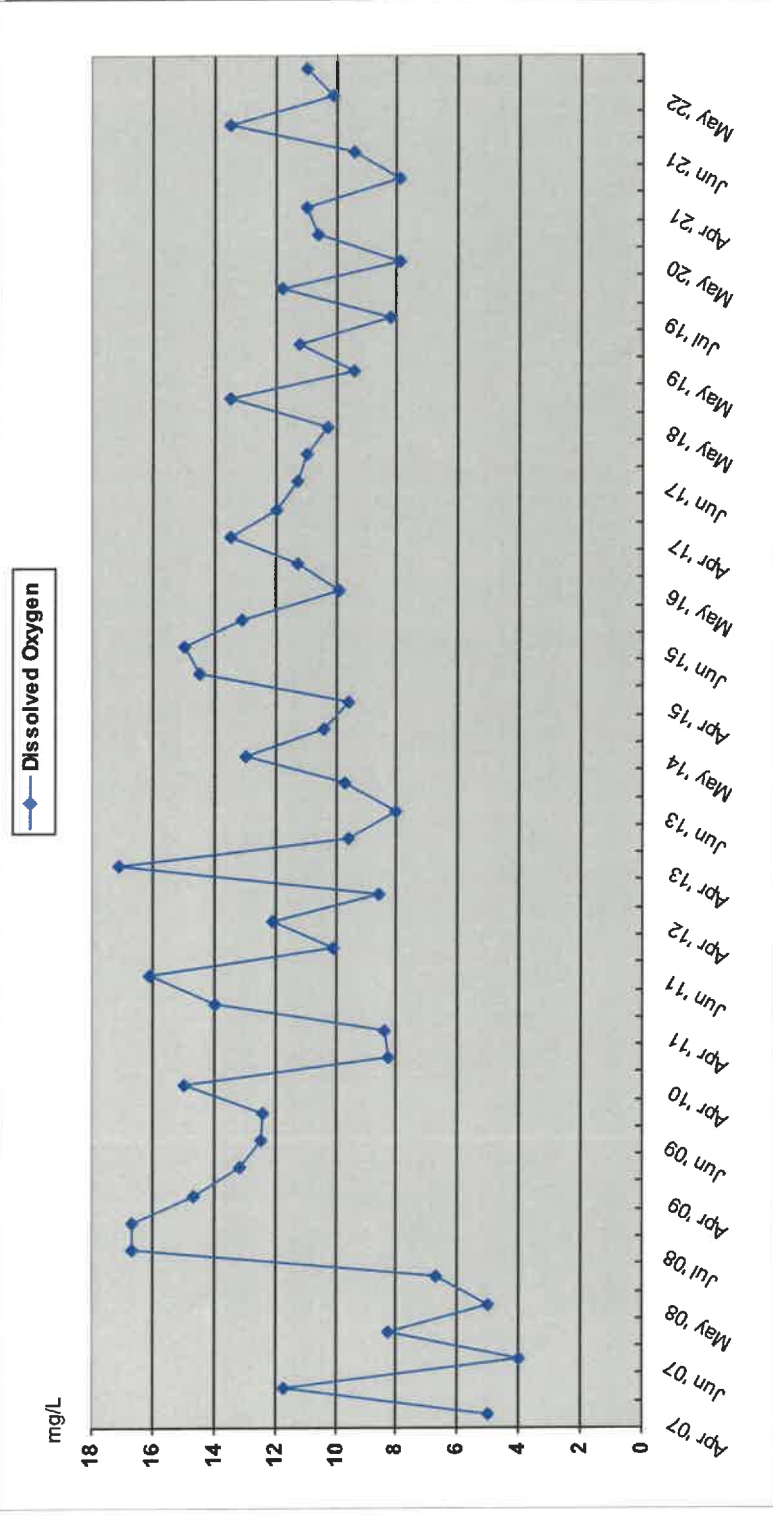
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: B-1



# MONITORING CHART FOR 2022 AHR

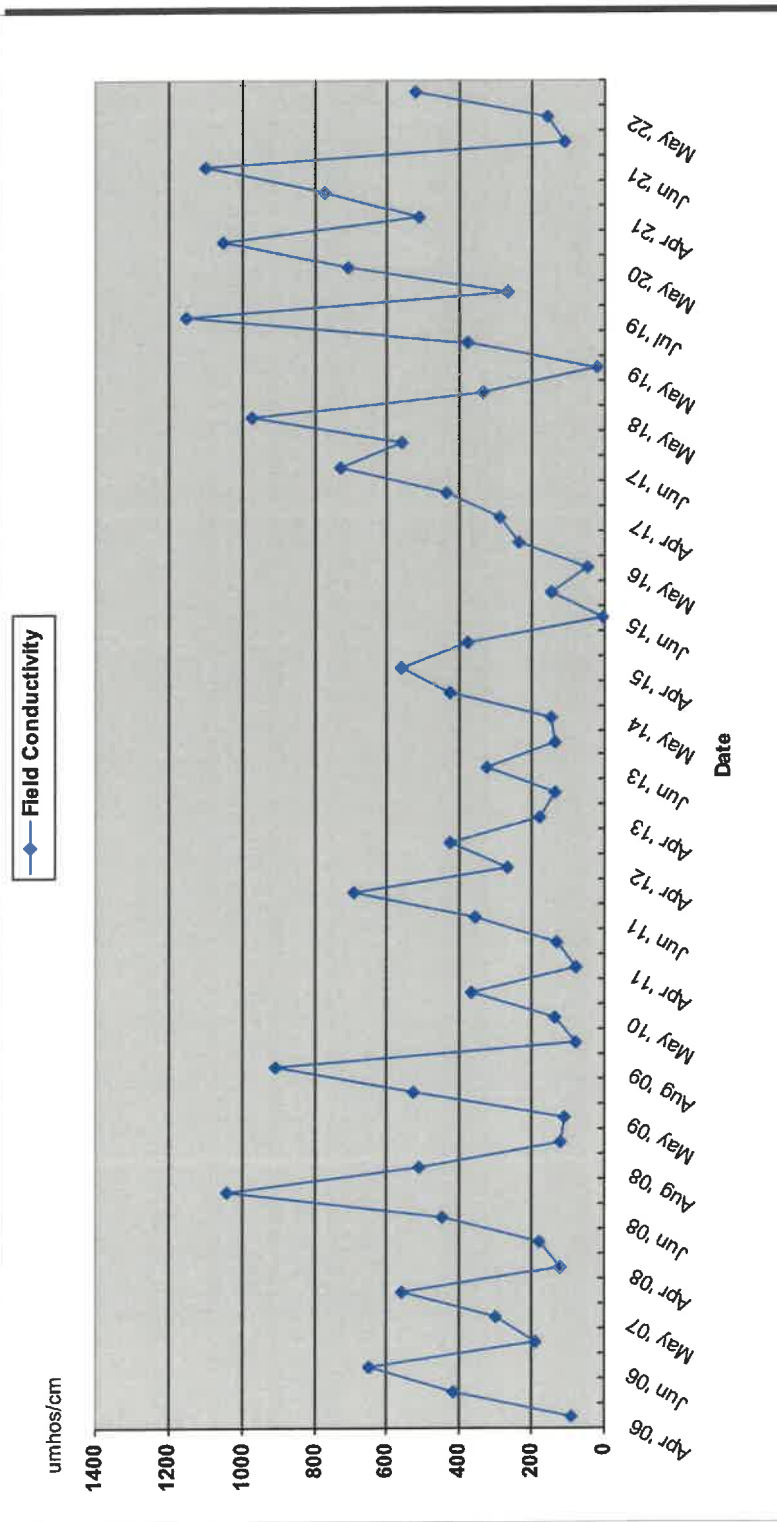
SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: B-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

C-1 LOWER COAL GULCH

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date       | Time  | Flow | Field | pH  | Field Cond | Tem  | HCO3 | pH  | Cond  | Cl  | NO3/NO2 | SO4 | TSS | PO4  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se   | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|-------|-----|------------|------|------|-----|-------|-----|---------|-----|-----|------|------|----|----|----|------|----|----|------|----|----|----|------|------|----|-----|--------|-------|--------|--|
| 10/12/2022 | 12:00 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 9/8/2022   | 12:00 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 8/12/2022  | 12:00 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 7/18/2022  | 12:00 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 6/7/2022   | 9:55  | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 5/9/2022   | 12:00 | 0.2  | 8     | 212 | 9.7        | 96.8 | 8.24 | 299 | 22.49 | 0.3 | 16.88   | 28  | 264 | 0.08 | 10.3 |    |    |    | 3.1  |    |    | 3.1  |    |    |    |      | 17.4 |    |     |        | 0.048 | 0.013  |  |
| 4/28/2022  | 9:50  | 1.5  | 8.3   | 149 | 3          |      |      |     |       |     |         |     |     |      | 13.9 |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 10/21/2021 | 13:35 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 9/20/2021  | 13:35 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 8/12/2021  | 13:35 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 7/26/2021  | 13:15 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 6/11/2021  | 13:40 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 5/18/2021  | 0:25  | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 4/12/2021  | 11:30 | 0.7  | 7.8   | 220 | 5.5        |      |      |     |       |     |         |     |     |      | 12.3 |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 10/6/2020  | 12:30 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 9/15/2020  | 11:15 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 8/12/2020  | 13:00 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 7/13/2020  | 14:15 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 6/2/2020   | 8:55  | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 5/18/2020  | 12:07 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 4/27/2020  | 10:15 | 0.58 | 8.1   | 250 | 6.3        |      |      |     |       |     |         |     |     |      | 12.1 |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 10/17/2019 | 8:00  | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 9/18/2019  | 13:10 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 8/20/2019  | 9:45  | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 7/10/2019  | 12:00 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 6/7/2019   | 10:20 | 0.07 | 8.5   | 520 | 10.3       |      |      |     |       |     |         |     |     |      | 10.3 |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 5/13/2019  | 13:35 | 0.8  | 8.2   | 300 | 11.2       | 102  | 7.77 | 202 | 33.36 | 0.3 | 23.87   | 76  | 404 | 0.08 | 9.3  |    |    |    | 41.3 |    |    | 10.9 |    |    |    | 35.2 |      |    |     |        | 0.096 | 0.013  |  |
| 4/12/2019  | 10:35 | 2.2  | 7.7   | 190 | 2.5        |      |      |     |       |     |         |     |     |      | 13.8 |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 10/17/2018 |       | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 9/14/2018  | 10:40 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 8/27/2018  | 11:05 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 7/11/2018  | 14:30 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 6/22/2018  | 9:07  | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 5/14/2018  | 10:10 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 4/24/2018  | 12:45 | 0.02 | 8.7   | 670 | 14.7       |      |      |     |       |     |         |     |     |      | 10.2 |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |
| 10/19/2017 | 11:25 | 0    |       |     |            |      |      |     |       |     |         |     |     |      |      |    |    |    |      |    |    |      |    |    |    |      |      |    |     |        |       |        |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | PO4 | DO   | Al   | As | Cd | Cu   | Pb | Mg   | Mn | Hg | Mo | Se    | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|-----|-----|------|------|----|----|------|----|------|----|----|----|-------|------|----|-----|--------|-------|--------|
| 9/11/2017  | 10:30 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 8/8/2017   | 11:20 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 7/18/2017  | 11:50 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 6/6/2017   | 11:45 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 5/17/2017  | 11:00 | 0.04 | 8.7      | 600        | 7.3  | 116.25 | 7.17 | 119  | 24.7  | 0.3     | 27.52 | 14  | 120 | 0.08 | 11.4 |    |    | 36.9 |    | 9.2  |    |    |    |       | 30.4 |    |     |        | 0.101 | 0.019  |
| 4/28/2017  | 9:00  | 0.8  | 9.3      | 370        | 3.7  |        |      |      |       |         |       |     |     | 13.3 |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 10/28/2016 | 10:10 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 9/22/2016  | 10:55 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 8/25/2016  | 10:45 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 7/25/2016  | 10:25 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 6/9/2016   | 9:45  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 5/23/2016  | 9:15  | 0.31 | 8.8      | 250        | 8.4  | 72.88  | 7.83 | 231  | 15.09 | 0.3     | 54.53 | 26  | 202 | 0.08 | 9.8  |    |    | 29.2 |    | 9.6  |    |    |    |       | 19.8 |    |     |        | 0.088 | 0.014  |
| 4/26/2016  | 9:45  | 1.1  | 8.6      | 130        | 5.1  |        |      |      |       |         |       |     |     | 13.2 |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 10/21/2015 | 9:15  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 10/13/2015 | 12:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 9/18/2015  | 1:00  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 8/4/2015   | 1:00  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 7/17/2015  | 11:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 6/17/2015  | 11:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 5/4/2015   | 1:00  | 1    | 8.9      | 510        | 10   | 67.18  | 7.38 | 375  | 4.84  | 0.3     | 35.19 | 16  | 334 | 0.08 | 9.8  |    |    | 41.6 |    | 13.2 |    |    |    | 35.6  |      |    |     |        | 0.1   | 0.02   |
| 4/14/2015  | 9:40  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 10/31/2014 | 11:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 9/10/2014  | 8:30  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 8/25/2014  | 8:00  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 7/8/2014   | 8:30  | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 6/11/2014  | 11:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 5/19/2014  | 13:00 | 0.44 | 9.2      | 220        | 12.3 |        |      |      |       |         |       |     |     | 13.9 |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 4/8/2014   | 10:00 | 2    | 8.7      | 120        | 3.5  | 44.17  | 6.75 | 169  | 1.76  | 0.3     | 12.77 | 12  | 133 | 0.08 | 9.7  |    |    | 23.8 |    | 21.2 |    |    |    | 17.85 |      |    |     |        | 2.01  | 0.03   |
| 10/18/2013 | 10:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 9/9/2013   | 10:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 8/18/2013  | 10:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 7/18/2013  | 13:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 6/5/2013   | 13:00 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 5/6/2013   | 13:00 | 0.25 | 8.4      | 160        | 12.3 | 55.18  | 7.65 | 456  | 2.48  | 0.3     | 16.05 | 12  | 384 | 0.08 | 9.6  |    |    | 21.2 |    | 9.6  |    |    |    | 59    |      |    |     |        | 0.44  | 0.17   |
| 4/22/2013  | 12:25 | 0.75 | 8.5      | 140        | 7.7  |        |      |      |       |         |       |     |     | 12.8 |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |
| 10/10/2012 | 11:45 | 0    |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |      |    |      |    |    |    |       |      |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3   | pH   | Cond | Cl   | NO3/NO2 | SO4   | TSS | TDS | PO4   | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se    | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|-----|--------|------|------|------|---------|-------|-----|-----|-------|------|----|----|----|------|----|----|------|----|----|----|-------|----|----|-----|--------|-------|--------|
| 9/6/2012   | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/2/2012   | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/30/2012  | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/13/2012  | 10:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/8/2012   | 11:45 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/8/2012   | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 4/23/2012  | 13:15 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/18/2011 | 13:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/26/2011  | 13:30 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/15/2011  | 12:30 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/26/2011  | 13:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/14/2011  | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/23/2011  | 14:45 | 1.65 | 8.5      | 130        | 8.8 |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 4/19/2011  | 22:45 | 8    | 9.7      | 70         | 3.4 | 57.2   | 7.11 | 141  | 23.6 | 0.88    | 90.55 | 226 | 152 | 0.081 | 8.2  |    |    |    | 3.79 |    |    | 5.1  |    |    |    | 7.58  |    |    |     |        | 6.04  | 0.23   |
| 10/27/2010 | 12:45 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/8/2010   | 1:10  | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/5/2010   | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/15/2010  | 1:00  | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/18/2010  | 10:30 | 0.55 | 9.7      | 210        | 9.4 | 133.31 | 8.16 | 294  | 21.8 | 1.07    | 25.93 | 20  | 236 | 0.08  | 8.1  |    |    |    | 31.3 |    |    | 10.2 |    |    |    | 19.41 |    |    |     |        | 0.15  | 0.09   |
| 4/22/2010  | 12:40 | 3.4  | 9.4      | 100        | 6   |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/12/2009 | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/25/2009  | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/5/2009   | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/17/2009  | 12:45 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/22/2009  | 9:15  | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/6/2009   | 9:00  | 0.99 | 7.6      | 170        | 5.4 | 120    | 8.08 | 180  | 1    | 0.02    | 9     | 6   | 130 | 0.03  | 17   |    |    |    | 20   |    |    | 6.9  |    |    |    | 13    |    |    |     |        | 0.5   | 0.01   |
| 4/29/2009  | 10:20 | 3.33 | 8.1      | 130        | 4.9 |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/7/2008  | 11:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/11/2008  | 12:30 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 8/5/2008   | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 7/29/2008  | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 6/18/2008  | 10:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 5/23/2008  | 10:30 | 0.67 | 8.5      | 230        | 6.5 |        |      |      |      |         |       |     |     |       | 4    |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 4/18/2008  | 14:15 | 4.2  | 8.2      | 100        | 6.4 |        |      |      |      |         |       |     |     |       | 13.1 |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 10/24/2007 | 13:30 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |
| 9/11/2007  | 12:00 | 0    |          |            |     |        |      |      |      |         |       |     |     |       |      |    |    |    |      |    |    |      |    |    |    |       |    |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca | Cu | Pb | Mg   | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Diss |  |
|------------|-------|-------|----------|------------|------|------|------|------|----|---------|-----|-----|-----|------|------|----|----|----|----|----|----|------|----|----|----|----|----|----|-----|--------|-------|---------|--|
| 8/7/2007   | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 7/17/2007  | 12:35 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 6/15/2007  | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 5/15/2007  | 11:00 | 1     | 8.42     | 320        | 8.4  |      |      |      |    |         |     |     |     |      | 10.2 |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 4/26/2007  | 14:15 | 1.46  | 8.25     | 210        | 15.6 |      |      |      |    |         |     |     |     |      | 8    |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 10/17/2006 | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 9/19/2006  | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 8/10/2006  | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 7/21/2006  | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 6/13/2006  | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 5/26/2006  | 9:45  | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 4/17/2006  | 13:20 | 3     | 7.84     | 110        | 8.3  |      |      |      |    |         |     |     |     |      | 13.3 |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 10/17/2005 | 10:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 9/22/2005  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 8/6/2005   | 15:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 7/25/2005  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 6/15/2005  | 9:35  | 0.078 | 8.7      | 350        | 12   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 5/9/2005   | 12:55 | 2.62  | 8.3      | 120        | 12   | 230  | 8.37 | 420  | 2  | 0.08    | 32  | 35  | 260 | 0.01 |      |    |    |    | 51 |    |    | 15.0 |    |    |    |    | 30 |    |     | 0      | 0     | 5.8     |  |
| 4/18/2005  | 10:00 | 5.52  | 7.9      | 100        | 6    |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 10/8/2004  | 13:55 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 9/27/2004  | 9:30  | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 8/23/2004  | 10:50 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 7/23/2004  | 11:20 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 6/22/2004  | 9:30  | 0     | 7.32     | 870        | 16   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 5/20/2004  | 9:55  | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 4/14/2004  | 13:50 | 0.43  | 8.78     | 210        | 13   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 10/13/2003 |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 9/17/2003  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 8/26/2003  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 7/28/2003  | 12:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 6/17/2003  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 5/30/2003  | 9:30  | 0.07  | 8.94     | 380        | 18   |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 4/10/2003  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 9/6/2002   |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 7/20/2002  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |
| 6/25/2002  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |    |    |    |    |    |    |      |    |    |    |    |    |    |     | 0      | 0     |         |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg  | Mn    | Hg     | Mo   | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|------|-------|-------|------|-------|------|-----|-------|--------|------|-------|------|-------|-----|--------|-------|--------|
| 12/29/2001 | 9:30  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 11/27/2001 | 9:25  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 10/30/2001 | 10:55 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 9/28/2001  | 9:40  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 8/28/2001  | 10:25 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 7/23/2001  | 9:35  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 6/29/2001  | 10:50 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 5/30/2001  | 11:15 | 24   | 7.6      | 300        | 9   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 4/26/2001  | 9:40  | 12   | 7.5      | 250        | 7   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/30/2001  | 9:30  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 2/27/2001  | 10:10 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 1/25/2001  | 10:00 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 12/28/2000 | 14:12 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 11/22/2000 | 9:08  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 10/22/2000 | 12:30 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 9/28/2000  | 8:05  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 8/24/2000  | 7:05  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 7/25/2000  | 14:12 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 6/29/2000  | 10:01 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 5/17/2000  | 15:00 | 15   | 7.6      | 310        | 12  |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 4/25/2000  | 8:02  | 24   | 7.5      | 250        | 9   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/28/2000  | 9:31  | 15   | 7.6      | 300        | 7   | 152  | 7.91 | 300  | 3  | 0.04    | 21  | 35  | 207 | 0.05 |    | 2.08 | 0.002 | 0.005 | 27.3 | 0.028 | 0.05 | 7.9 | 0.022 | 0.0002 | 0.05 | 0.002 | 20.5 | 0.031 | 0   | 0      | 2.03  |        |
| 2/18/2000  | 7:31  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 1/25/2000  | 8:47  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 12/22/1999 | 7:30  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 11/24/1999 | 9:38  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 10/28/1999 | 8:59  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 9/23/1999  | 7:49  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 8/17/1999  | 8:59  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 7/26/1999  | 8:01  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 6/29/1999  | 7:46  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 5/26/1999  | 8:32  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 4/21/1999  | 11:23 | 24   | 8.5      | 110        | 9   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/30/1999  | 13:10 | 16   | 8.5      | 110        | 9   | 139  | 7.55 | 262  | 2  | 0.02    | 20  | 5   | 152 | 0.03 |    | 0.7  | 0.002 | 0.005 | 21.6 | 0.005 | 0.05 | 7.1 | 0.007 | 0.0002 | 0.06 | 0.003 | 20.5 | 0.038 | 0   | 0      | 0.77  |        |
| 2/10/1999  | 9:25  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 1/29/1999  | 8:19  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date            | Time | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al   | As     | Cd     | Ca   | Cu     | Pb    | Mg   | Mn    | Hg      | Mo     | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |
|-----------------|------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|------|--------|--------|------|--------|-------|------|-------|---------|--------|-------|------|-------|-----|--------|-------|--------|
| 12/30/1998      |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 11/30/1998      |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 10/7/1998       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 9/30/1998       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 8/19/1998       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 7/27/1998       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 6/2/1998        |      | 11.7 | 7.1      | 80         | 12  | 224  | 7.97 | 496  | 4  | 1.5     | 51  | 6   | 310 | 0.02 |    | 0.02 | 0.009  | 0.005  | 11   | 0.011  | 0.05  | 0.0  | 3.6   | 0.0002  | 0.05   | 0.004 | 6.7  | 0.013 | 0   | 0      | 0.04  |        |
| 5/28/1998       |      | 62   | 7        | 120        | 10  |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 4/20/1998       |      | 19   | 7.1      | 150        | 7   |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 3/23/1998 11:38 |      | 55   | 7.2      | 160        | 8   | 113  | 7.84 | 212  | 2  | 0.05    | 14  | 115 | 178 | 0.06 |    | 3.91 | 0.002  | 0.005  | 20.7 | 0.005  | 0.05  | 0.1  | 7.69  | 0.0002  | 0.05   | 0.002 | 14.5 | 0.011 | 0   | 0      | 4.24  |        |
| 2/6/1998        |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 1/20/1998       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 9/11/1997       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 8/21/1997       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 7/29/1997       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 6/23/1997       |      | 22   | 8.5      | 800        | 11  |      | 8.27 | 860  | 5  | 1.6     | 128 | 52  | 570 | 0.09 |    | 1.02 | -0.002 | -0.005 | 49   | -0.005 | 0.09  | 33.2 | 0.024 | -0.0002 | -0.002 | 86.2  |      |       |     |        | 1.37  |        |
| 5/22/1997       |      | 27   | 8.2      | 110        | 8   |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 4/29/1997       |      | 10   | 8.3      | 120        | 7   |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 3/11/1997       |      |      |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 3/11/1997       |      | 22   | 8.9      | 420        | 5   |      | 7.95 | 447  | 5  | 0.06    | 58  | 33  | 295 | 0.03 |    | 1.28 | -0.002 | -0.005 | 42.3 | -0.005 | -0.05 | 14.3 | 0.02  | 0.0003  | -0.002 | 33.8  |      |       |     |        | 1.44  |        |
| 2/27/1997       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 1/10/1997       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 12/13/1996      |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 11/19/1996      |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 10/8/1996       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 9/5/1996        |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 8/2/1996        |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 7/16/1996       |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 6/5/1996        |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 5/9/1996        |      | 29.6 | 8.8      | 330        | 11  |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 4/8/1996        |      | 15   | 8.8      | 110        | 9   |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 3/4/1996 9:26   |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 2/5/1996 11:06  |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 1/4/1996 7:59   |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 12/5/1995 9:02  |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |
| 11/2/1995 12:54 |      | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |      |        |       |      |       |         |        |       |      |       |     |        |       |        |

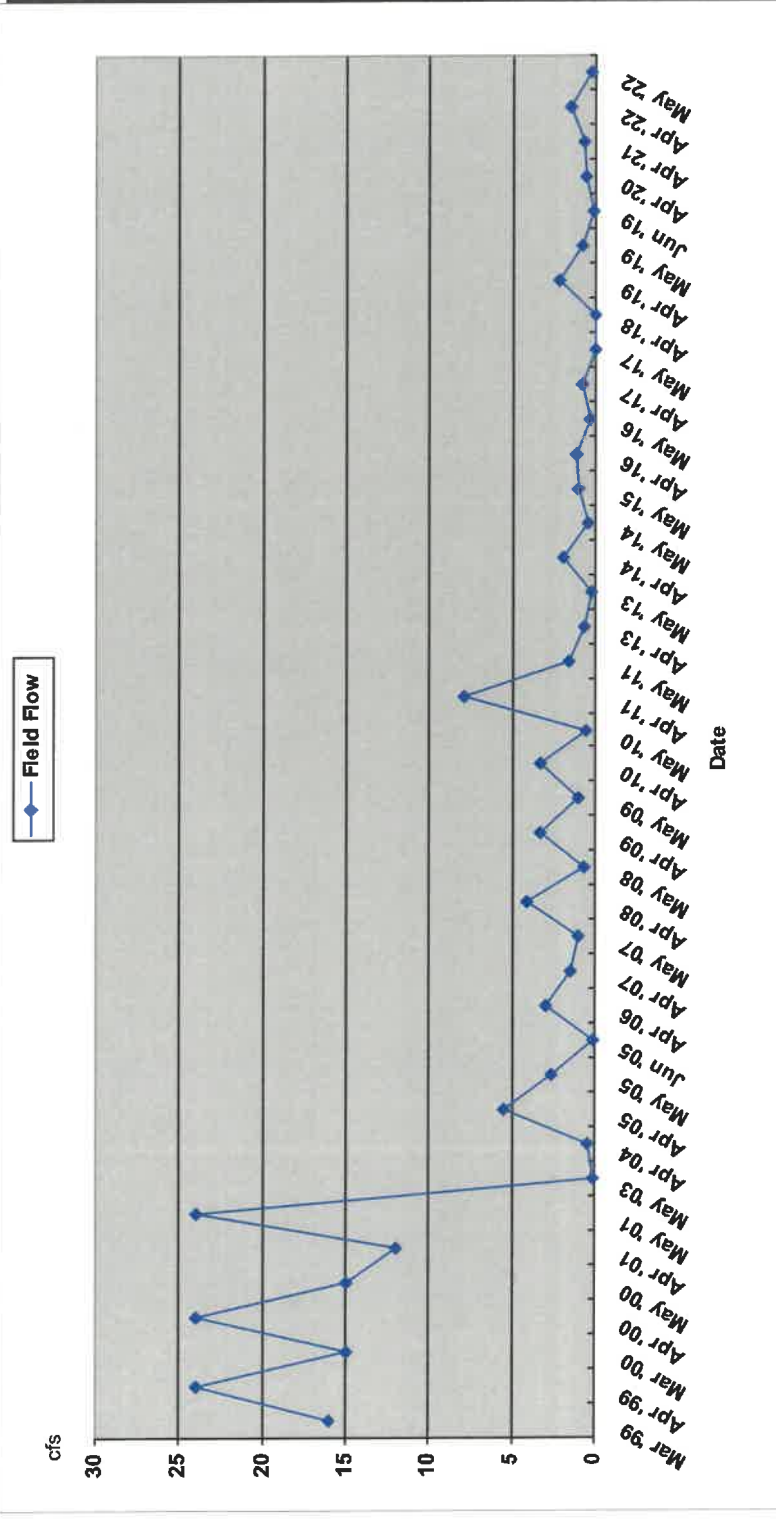
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: C-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al   | As     | Cd     | Ca    | Cu     | Pb    | Mg   | Mn    | Hg      | Mo | Se    | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dia |  |
|------------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|------|--------|--------|-------|--------|-------|------|-------|---------|----|-------|------|----|-----|--------|-------|--------|--|
| 10/2/1995  | 13:23 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 9/6/1995   | 13:59 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 8/2/1995   | 12:55 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 7/10/1995  | 11:50 | 14.3 | 8.5      | 430        | 18  |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 6/7/1995   | 11:05 | 79   | 8.6      | 170        | 10  |      | 7.97 | 220  | 1  | 0.04    |     | 6   | 150 | 0.04 |    | 0.17 | -0.002 | -0.005 | 22.4  | -0.005 | -0.05 | 8.2  | 0.006 | -0.0002 |    | 0.018 | 19.5 |    |     |        | 0     | 0.47   |  |
| 5/2/1995   | 8:34  | 20   | 8.5      | 110        | 5   |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 4/3/1995   | 11:46 | 28   | 8.5      | 200        | 7   |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 3/13/1995  | 7:37  | 34   | 8.4      | 200        | 4   |      | 8.20 | 240  | 2  | -0.02   |     | 23  | 210 | 0.04 |    | 1.11 | -0.001 | -0.005 | 23.3  | -0.005 | -0.05 | 7.1  | 0.018 | -0.0002 |    | 0.007 | 18.6 |    |     |        | 0     | 1.32   |  |
| 2/6/1995   | 10:12 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 1/3/1995   | 10:20 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 12/5/1994  | 11:34 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 11/8/1994  | 13:45 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 10/4/1994  | 10:17 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 9/14/1994  | 10:05 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 8/9/1994   | 8:48  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 7/11/1994  | 14:22 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 6/9/1994   | 10:15 | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 5/31/1994  |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 4/30/1994  | 14:10 |      | 8.6      | 150        | 10  |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 3/31/1994  | 10:58 | 12   | 9.2      | 310        | 17  |      | 7.90 | 316  |    |         |     | 10  | 186 |      |    |      |        |        | -0.01 | -0.02  |       | 0.01 |       |         |    |       |      |    |     | 0      | 0     | 0.87   |  |
| 12/21/1993 |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 11/10/1993 |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 10/29/1993 |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 9/8/1993   |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 8/30/1993  |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 7/28/1993  | 9:10  | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 7/1/1993   |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 4/29/1993  | 12:35 | 21   | 8.2      | 80         | 7   |      | 8.30 | 91   |    |         |     | 94  | 88  |      |    |      |        |        | -0.01 | -0.02  |       | 0.12 |       |         |    |       |      |    |     | 0      | 0     | 6.8    |  |
| 3/19/1993  | 12:28 | 13   | 8.5      | 310        | 8   |      | 8.50 | 442  |    |         |     | 62  | 282 |      |    |      |        |        | -0.01 | -0.02  |       | 0.03 |       |         |    |       |      |    |     | 0      | 0     | 1.63   |  |
| 2/26/1993  |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |
| 1/30/1993  |       | 0    |          |            |     |      |      |      |    |         |     |     |     |      |    |      |        |        |       |        |       |      |       |         |    |       |      |    |     |        |       |        |  |

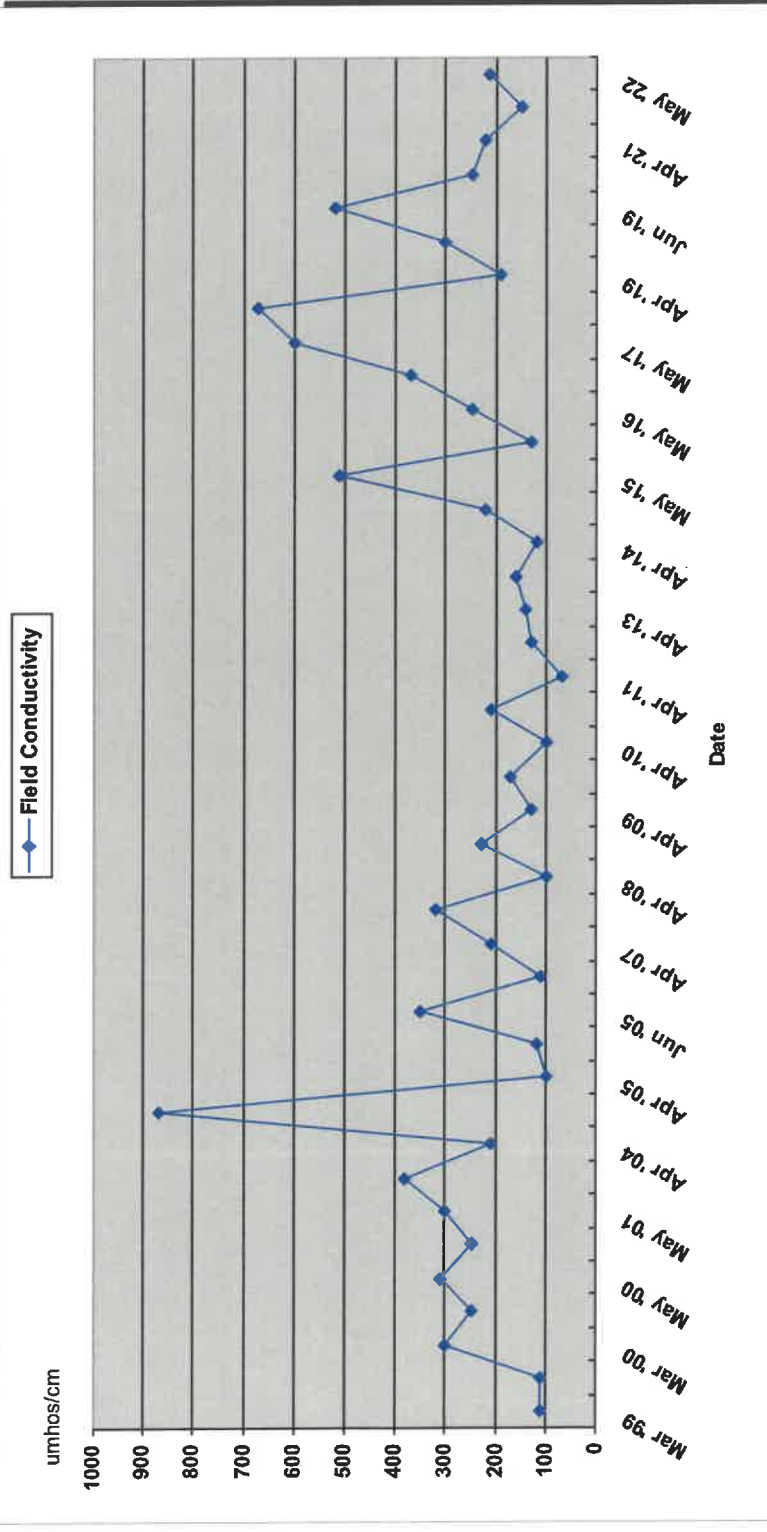
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: C-1



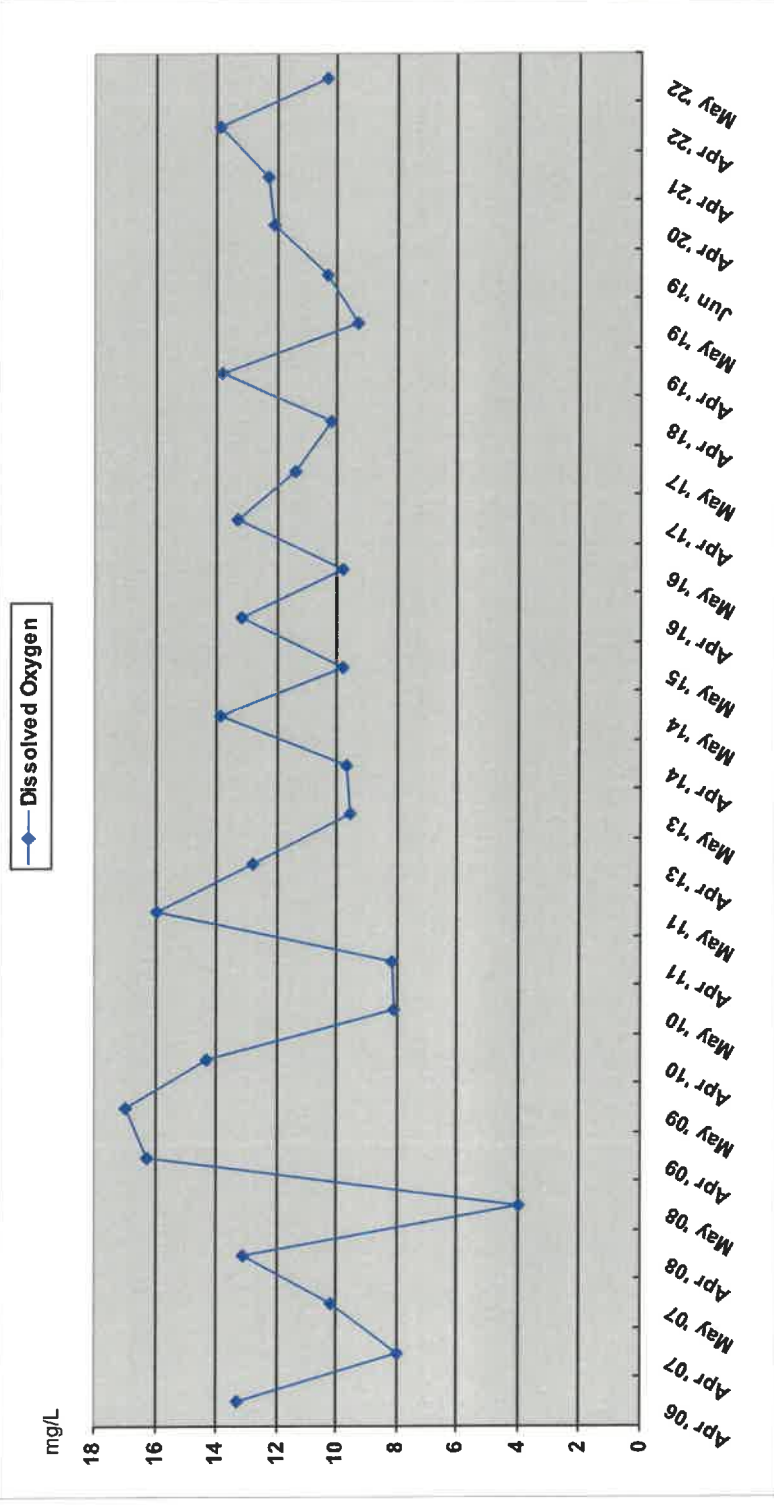
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: C-1



# MONITORING CHART FOR 2022 AHR

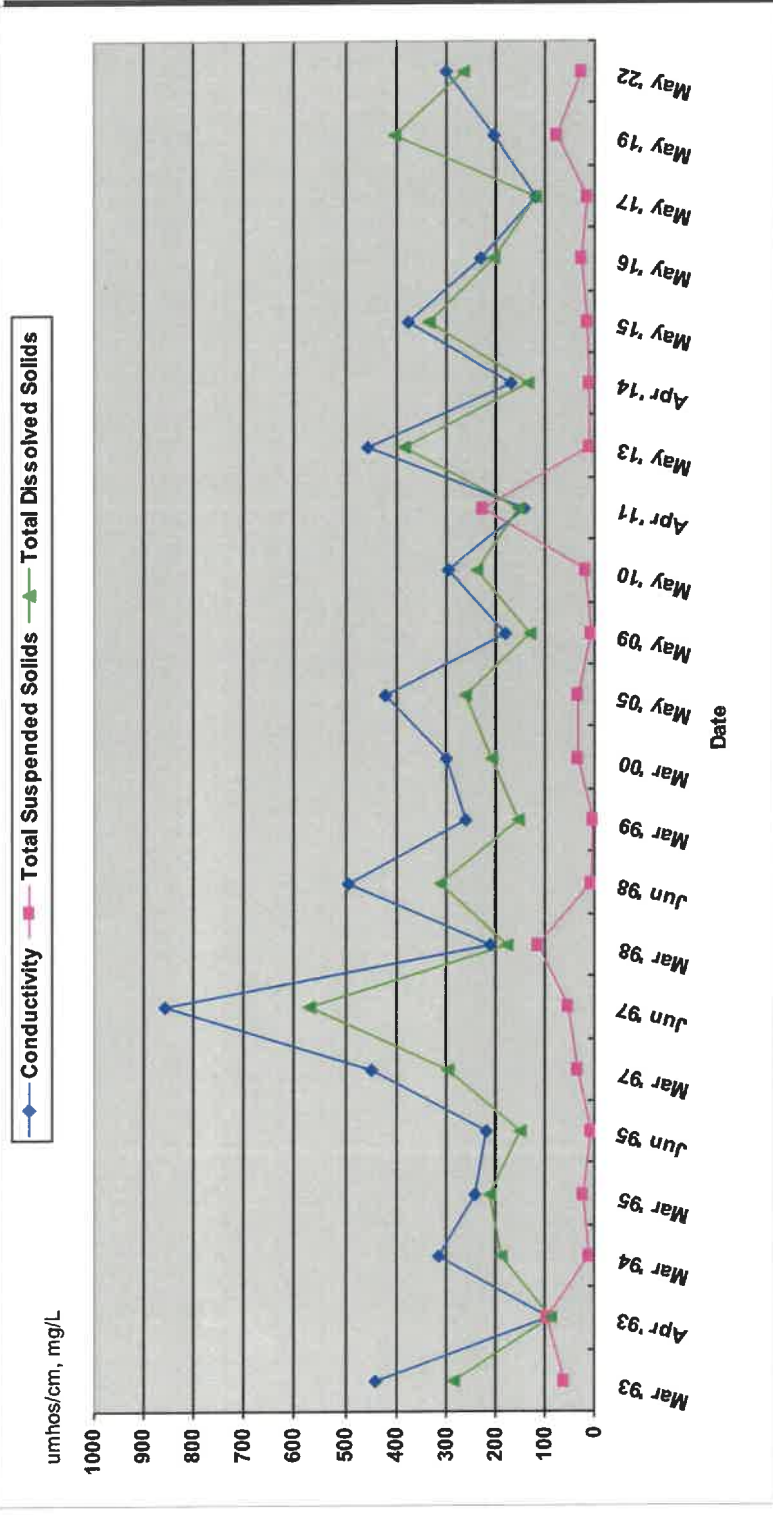
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

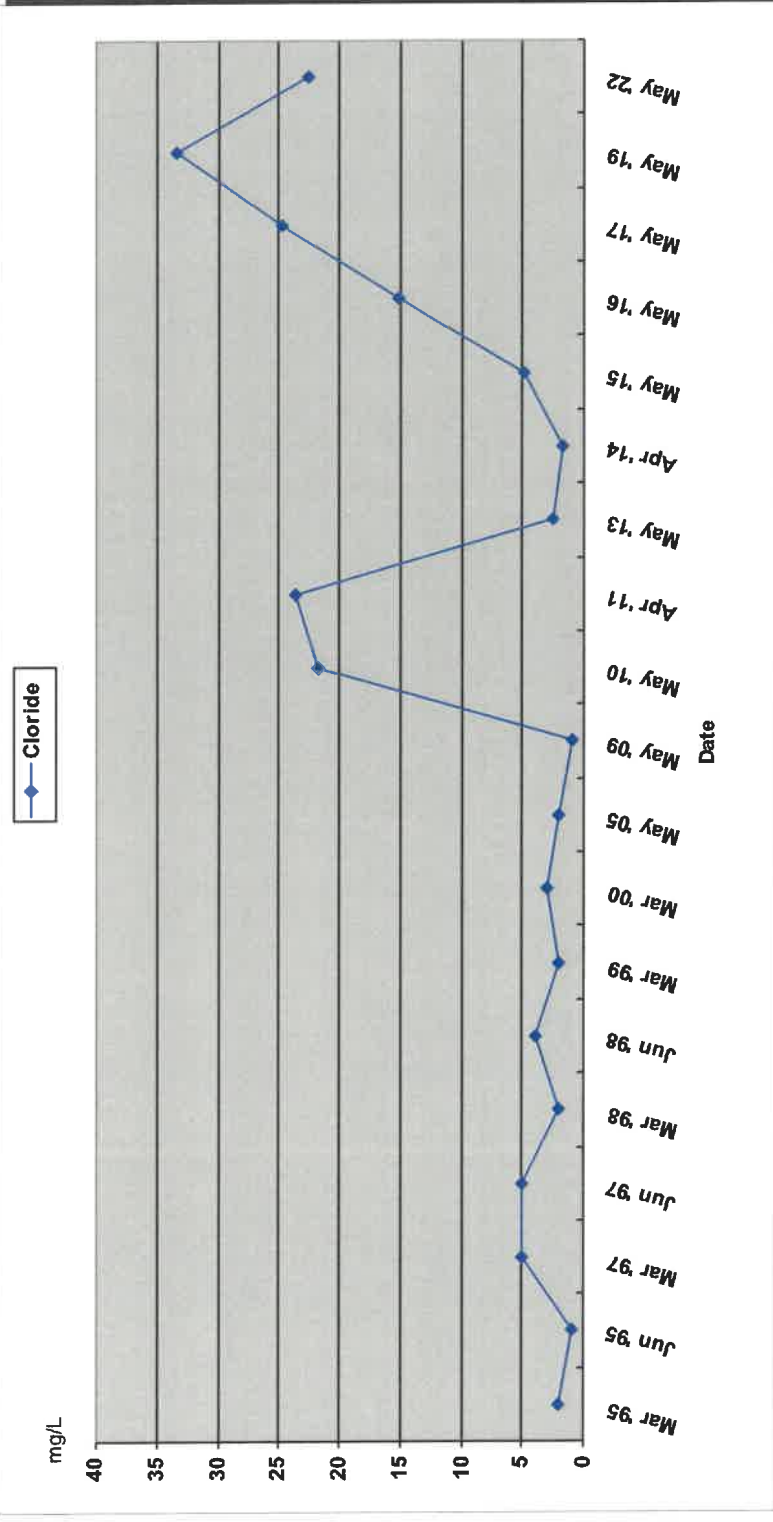
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: C-1



# MONITORING CHART FOR 2022 AHR

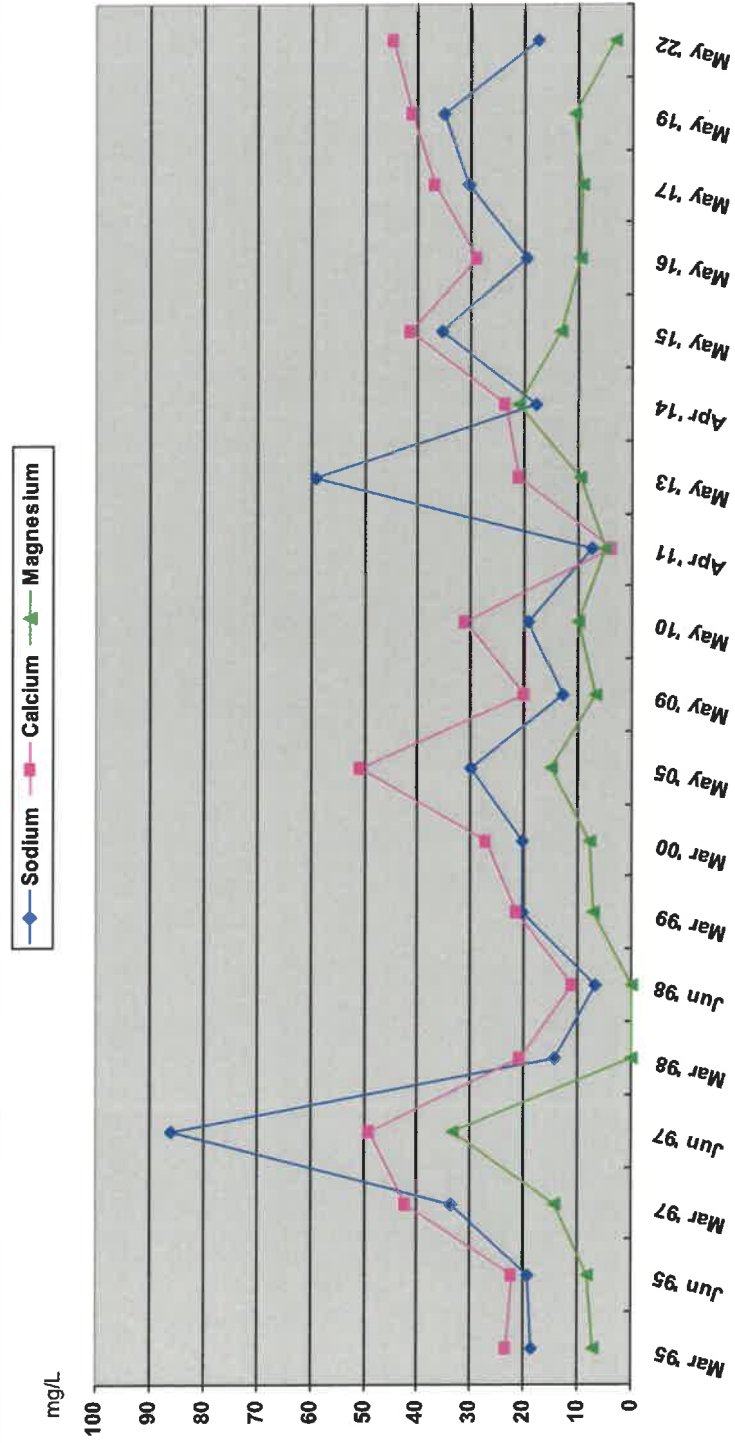
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

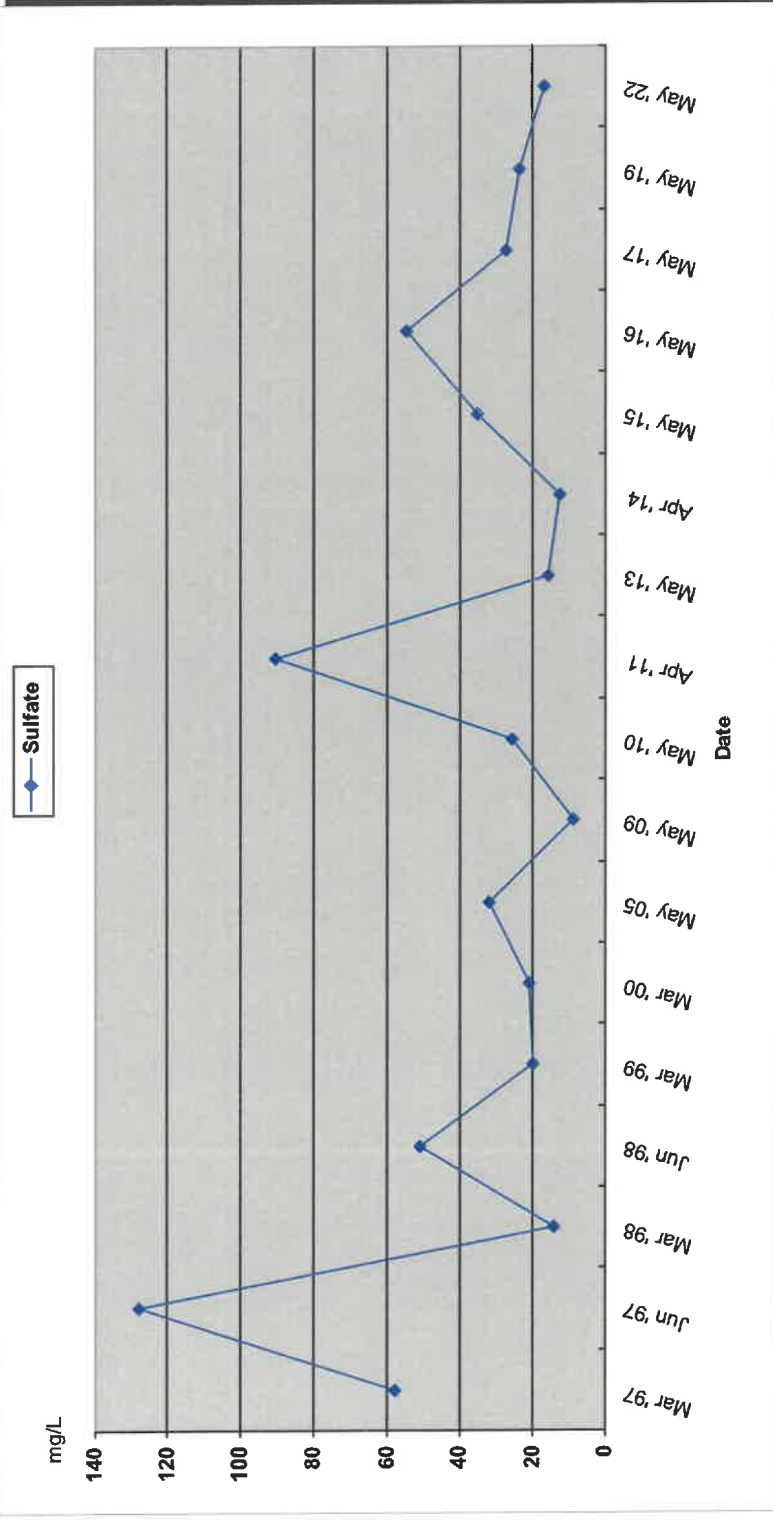
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 09-Mar-23

# MONITORING CHART FOR 2022 AHR

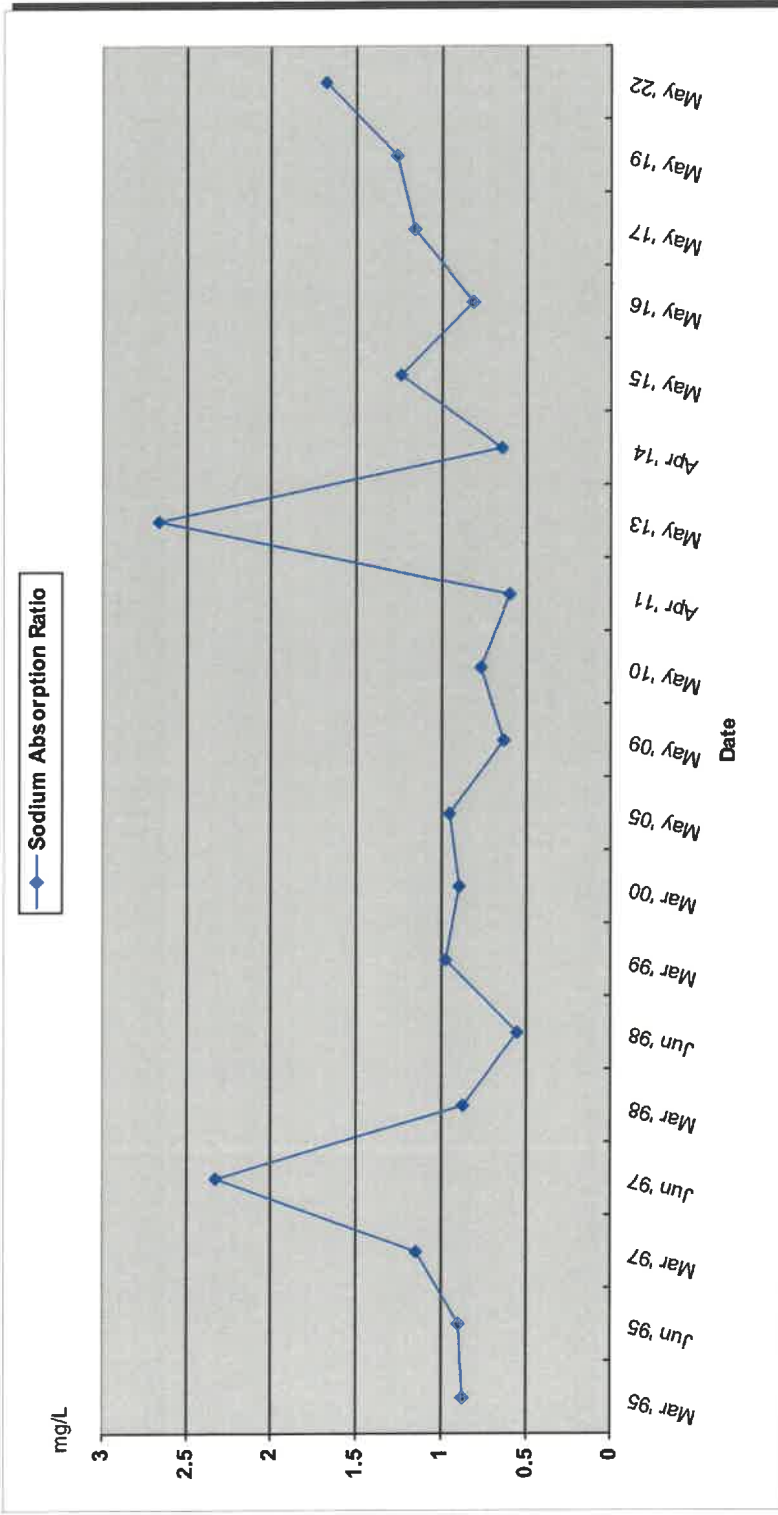
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

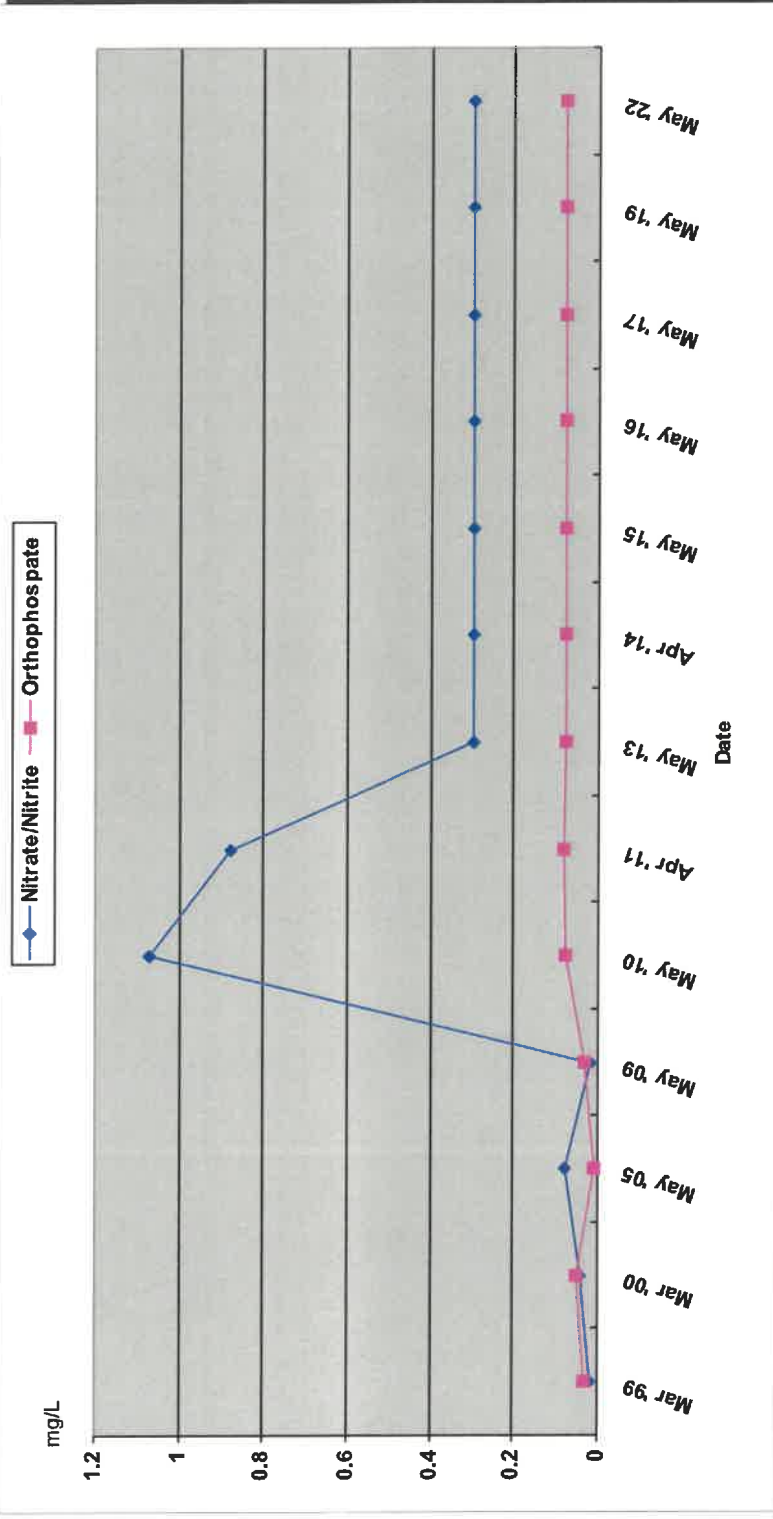
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

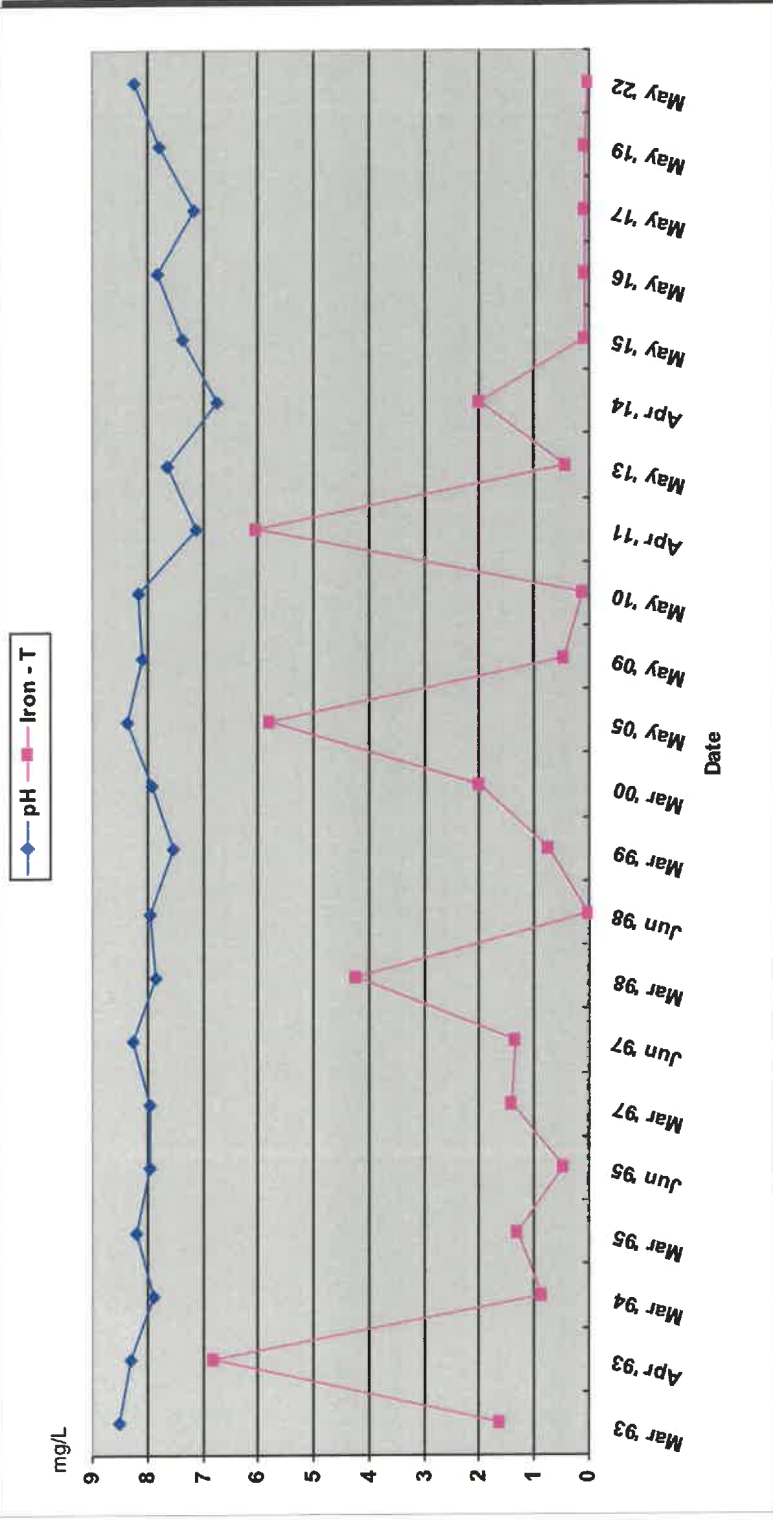
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

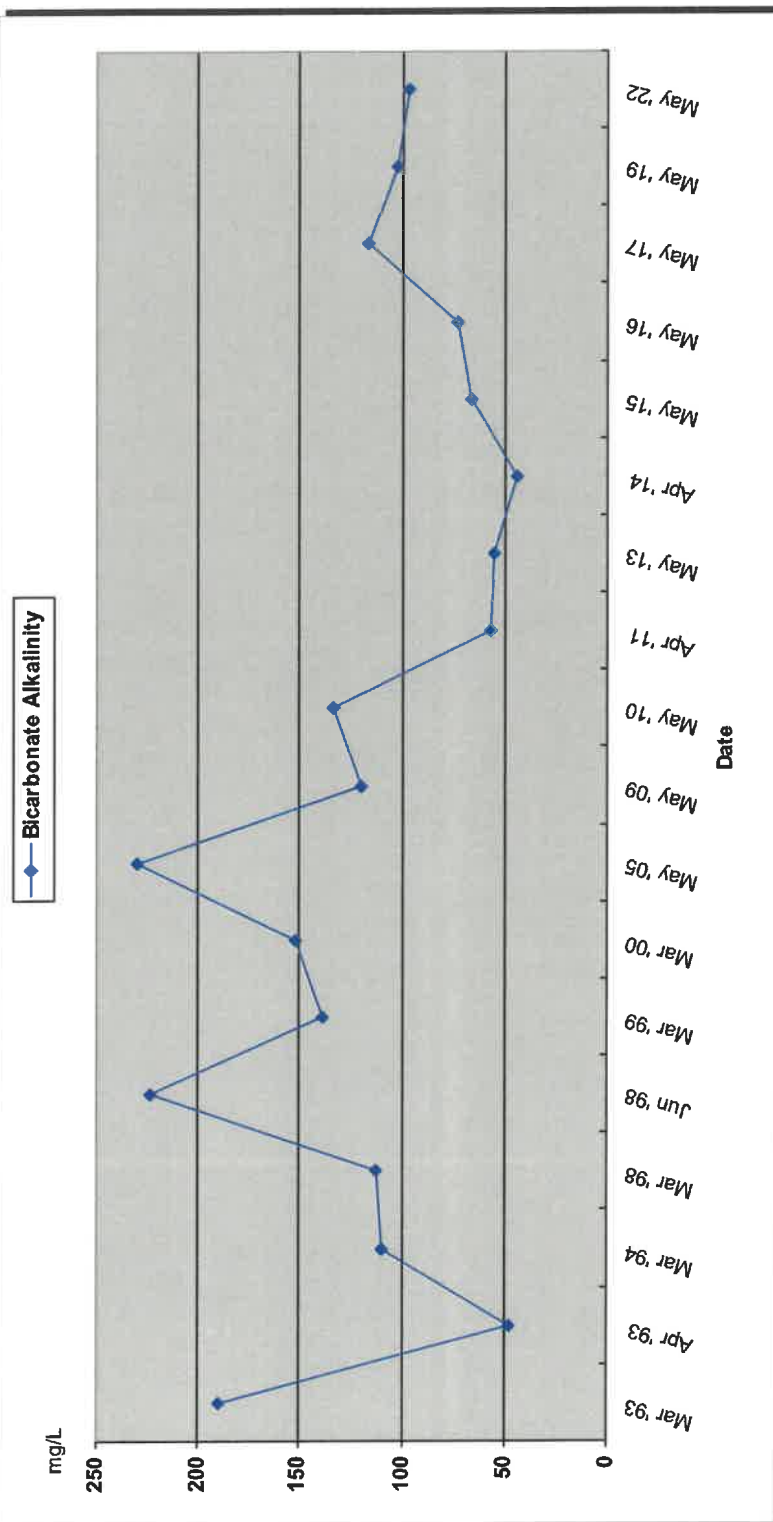
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

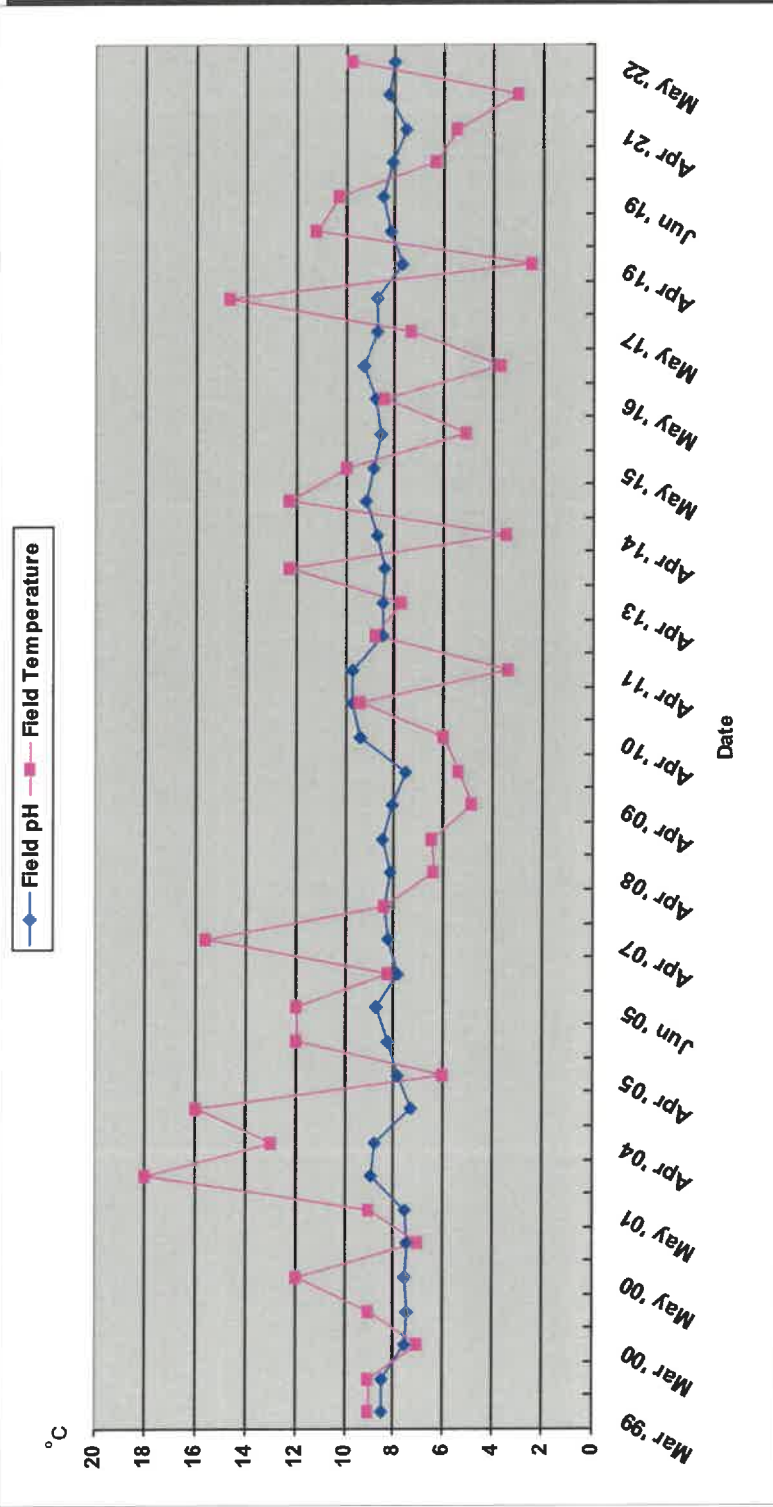
SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: C-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

## S-1 SANBORN CREEK

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: S-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3  | pH   | Cond | Cl   | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg  | Mn | Hg | Mo | Se   | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dic |       |
|------------|-------|------|----------|------------|-----|-------|------|------|------|---------|-------|-----|-----|------|------|----|----|----|------|----|----|-----|----|----|----|------|----|----|-----|--------|-------|--------|-------|
| 10/12/2022 | 14:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     | 0      | 0     |        |       |
| 9/8/2022   | 12:30 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     | 0      | 0     |        |       |
| 8/12/2022  | 12:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     | 0      | 0     |        |       |
| 7/18/2022  | 12:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     | 0      | 0     |        |       |
| 6/7/2022   | 9:45  | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     | 0      | 0     |        |       |
| 5/9/2022   | 11:30 | 1.9  | 7.6      | 123        | 7.5 | 80    | 8.29 | 150  | 12.5 | 0.3     | 13.58 | 12  | 148 | 0.08 | 11.4 |    |    |    | 35.1 |    |    | 5.5 |    |    |    | 16.6 |    |    |     | 0      | 0     | 0.055  | 0.016 |
| 4/26/2022  | 9:25  | 6.3  | 8        | 108        | 2   |       |      |      |      |         |       |     |     |      | 14.2 |    |    |    |      |    |    |     |    |    |    |      |    |    |     | 0      | 0     |        |       |
| 10/21/2021 | 13:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 9/20/2021  | 13:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 8/12/2021  | 13:25 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 7/28/2021  | 13:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 6/11/2021  | 13:20 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 5/18/2021  | 12:35 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 4/12/2021  | 11:00 | 1.7  | 7.7      | 19         | 3.8 |       |      |      |      |         |       |     |     |      | 10.3 |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 10/6/2020  | 15:15 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 9/15/2020  | 11:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 8/12/2020  | 12:55 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 7/13/2020  | 14:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 6/2/2020   | 8:45  | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 5/18/2020  | 12:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 4/27/2020  | 9:50  | 2.5  | 7.9      | 180        | 5.6 |       |      |      |      |         |       |     |     |      | 12.6 |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 10/17/2019 | 9:15  | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 9/18/2019  | 13:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 8/20/2019  | 9:30  | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 7/10/2019  | 11:55 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 6/7/2019   | 10:00 | 0.3  | 8.5      | 280        | 9.5 |       |      |      |      |         |       |     |     |      | 11.5 |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 5/13/2019  | 12:10 | 2.8  | 8.1      | 190        | 7.6 | 57.69 | 7.84 | 115  | 27.5 | 0.3     | 21.81 | 44  | 396 | 0.08 | 9.5  |    |    |    | 24.1 |    |    | 7.9 |    |    |    | 26.3 |    |    |     | 0      | 0     | 0.154  | 0.027 |
| 4/12/2019  | 10:15 | 2.5  | 7.7      | 170        | 2.8 |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 10/17/2018 | 12:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 9/14/2018  | 11:15 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 8/27/2018  | 11:15 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 7/11/2018  | 14:40 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 6/22/2018  | 9:00  | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 5/14/2018  | 10:00 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 4/24/2018  | 12:25 | 0.2  | 8.6      | 360        | 9   |       |      |      |      |         |       |     |     |      | 11.6 |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |
| 10/19/2017 | 11:30 | 0    |          |            |     |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |    |    |     |        |       |        |       |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: S-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond | Cl   | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Cu   | Pb | Mg   | Mn | Hg | Mo | Se   | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|------|-------|------|------|------|---------|-------|-----|-----|------|------|----|----|----|------|----|------|----|----|----|------|------|----|-----|--------|-------|--------|--|
| 8/11/2017  | 10:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    |     | 0      | 0     |        |  |
| 8/8/2017   | 11:30 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    |     | 0      | 0     |        |  |
| 7/18/2017  | 11:30 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    |     | 0      | 0     |        |  |
| 6/6/2017   | 12:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    |     | 0      | 0     |        |  |
| 5/17/2017  | 11:30 | 0.05 | 8.7      | 340        | 7.4  | 71.55 | 8.05 | 158  | 15.3 | 0.3     | 19.88 | 2   | 148 | 0.08 | 11.9 |    |    |    | 24.3 |    | 4.7  |    |    |    |      | 21.3 | 0  | 0   | 0      | 0.098 | 0.014  |  |
| 4/28/2017  | 8:40  | 2.2  | 9.4      | 230        | 6.4  |       |      |      |      |         |       |     |     |      | 12.9 |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 10/28/2016 | 10:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 9/22/2016  | 11:05 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 8/25/2016  | 10:30 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 7/25/2016  | 10:15 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 6/9/2016   | 8:15  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 5/23/2016  | 8:30  | 0.83 | 9        | 200        | 7.1  | 87.74 | 7.65 | 174  | 5.76 | 0.3     | 34.82 | 10  | 170 | 0.08 | 9.9  |    |    |    | 25.9 |    | 7.5  |    |    |    |      | 22.5 | 0  | 0   | 0      | 0.13  | 0.02   |  |
| 4/26/2016  | 9:25  | 2.9  | 8.7      | 100        | 4.7  |       |      |      |      |         |       |     |     |      | 13.9 |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 11/21/2015 | 9:00  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 10/13/2015 | 12:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 9/18/2015  | 12:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 8/4/2015   | 1:00  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 7/21/2015  | 12:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 6/17/2015  | 9:00  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 5/4/2015   | 12:30 | 1    | 8.8      | 240        | 13.6 | 21.53 | 6.79 | 119  | 1.76 | 0.3     | 4.82  | 11  | 97  | 0.08 | 9.8  |    |    |    | 29   |    | 8.8  |    |    |    |      | 27.2 | 0  | 0   | 0      | 0.13  | 0.02   |  |
| 4/14/2015  | 9:20  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 10/31/2014 | 11:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 9/10/2014  | 8:00  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 8/25/2014  | 8:00  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 7/8/2014   | 8:30  | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 6/11/2014  | 11:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 5/19/2014  | 13:25 | 0.33 | 8.6      | 110        | 12.1 |       |      |      |      |         |       |     |     |      | 13.4 |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 4/8/2014   | 10:40 | 2.4  | 8.7      | 80         | 4    | 24.56 | 6.73 | 117  | 1.76 | 0.3     | 4.18  | 13  | 98  | 0.08 | 9.8  |    |    |    | 17.2 |    | 16.6 |    |    |    | 9.17 | 0    | 0  | 0   | 0.65   | 0.02  |        |  |
| 10/18/2013 | 10:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 9/9/2013   | 10:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 8/16/2013  | 10:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 7/18/2013  | 13:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 6/5/2013   | 13:00 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 5/6/2013   | 11:40 | 0.75 | 8.4      | 90         | 9.6  |       | 6.99 | 322  |      |         |       | 11  | 250 |      | 8.8  |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |
| 4/22/2013  | 12:20 | 1.6  | 8.4      | 100        | 6.8  | 38.22 |      |      | 2.48 | 0.3     | 4.43  |     |     | 0.08 | 13.3 |    |    |    | 27.8 |    | 8.4  |    |    |    | 59   | 0    | 0  | 0   | 0      | 1.14  | 0.12   |  |
| 10/10/2012 | 14:30 | 0    |          |            |      |       |      |      |      |         |       |     |     |      |      |    |    |    |      |    |      |    |    |    |      |      |    | 0   | 0      |       |        |  |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: S-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond  | Cl   | NO3  | NO2   | SO4 | TSS | TDS   | PO4  | DO   | Al | As | Cd | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|-------|----------|------------|------|-------|------|-------|------|------|-------|-----|-----|-------|------|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 9/6/2012   | 13:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/2/2012   | 11:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/30/2012  | 11:15 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/13/2012  | 10:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/8/2012   | 13:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/9/2012   | 12:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/23/2012  | 13:10 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/7/2011  | 14:30 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/8/2011   | 15:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/15/2011  | 14:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/26/2011  | 13:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/14/2011  | 13:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/23/2011  | 14:00 | 2.82  | 8.7      | 100        | 10.5 |       |      |       |      |      |       |     |     |       |      | 13.1 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/19/2011  | 10:30 | 18.75 | 9.6      | 50         | 2.8  | 48.6  | 7.18 | 97    | 21.8 | 0.71 | 60.37 | 58  | 124 | 0.081 | 8.3  |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/27/2010 | 12:45 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/27/2010  | 1:00  | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/5/2010   | 12:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/15/2010  | 1:00  | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/4/2010   | 12:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/18/2010  | 10:20 | 1.33  | 10.1     | 140        | 9.4  | 74.11 | 7.79 | 170.1 | 21.8 | 0.69 | 25.93 | 32  | 145 | 0.082 | 8.2  |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/22/2010  | 12:30 | 4     | 9.6      | 80         | 5.1  |       |      |       |      |      |       |     |     |       |      | 14.4 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/12/2009 | 12:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/25/2009  | 12:10 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/5/2009   | 12:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/17/2009  | 12:45 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/22/2009  | 9:00  | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/6/2009   | 8:40  | 4.5   | 7.8      | 90         | 4.7  | 75    | 7.85 | 110   | 1    | 0.03 | 5     | 5   | 96  | 0.01  | 14.3 |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/29/2009  | 10:10 | 4.5   | 8.5      | 90         | 3.9  |       |      |       |      |      |       |     |     |       |      | 13.6 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/15/2008 | 9:00  | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/11/2008  | 11:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/5/2008   | 12:00 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/29/2008  | 9:00  | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/18/2008  | 9:45  | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/23/2008  | 10:20 | 1.86  | 8.3      | 140        | 6.4  |       |      |       |      |      |       |     |     |       | 6    |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/18/2008  | 14:00 | 6.66  | 8.3      | 90         | 4.7  |       |      |       |      |      |       |     |     |       | 11.4 |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/24/2007 | 13:30 | 0     |          |            |      |       |      |       |      |      |       |     |     |       |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: S-1

| Date       | Time  | Flow | Field | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | DO   | PO4 | Al | As | Cd | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|-------|----|------|----|---------|-----|-----|------|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 9/11/2007  | 10:00 |      |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 8/17/2007  | 10:00 |      |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 7/17/2007  | 10:00 |      |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 6/15/2007  | 10:00 |      |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 5/15/2007  | 10:45 | 0.31 | 7.98  |    | 220  |    |         |     |     | 11   |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 4/26/2007  | 14:30 | 2.5  | 8     |    | 150  |    |         |     |     | 12.1 |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 9/27/2006  | 10:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 8/10/2006  | 10:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 7/21/2006  | 10:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 6/13/2006  | 10:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 5/26/2006  | 9:40  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 4/17/2006  | 13:00 | 8.16 | 8.16  |    | 80   |    |         |     | 6.9 | 14.1 |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 10/17/2005 | 10:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 9/22/2005  | 1:00  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 8/30/2005  | 12:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 8/5/2005   | 8:15  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 7/25/2005  | 2:00  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 6/15/2005  | 8:15  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 5/9/2005   | 12:45 | 6.72 | 8.2   |    | 100  |    |         |     | 12  |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 4/18/2005  | 9:45  | 2.37 | 8.24  |    | 80   |    |         |     | 4   |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 10/8/2004  | 16:15 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 9/27/2004  | 8:20  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 8/23/2004  | 11:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 7/23/2004  | 11:50 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 6/22/2004  | 9:15  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 5/20/2004  | 9:50  | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 4/14/2004  | 13:40 | 1.69 | 9.33  |    | 110  |    |         |     | 9   |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 10/13/2003 | 12:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 9/17/2003  | 12:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 8/26/2003  | 12:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 7/28/2003  | 12:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 6/17/2003  | 12:00 | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 5/13/2003  | 12:10 | 0.43 | 8.53  |    | 740  |    |         |     | 8   |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 4/10/2003  | 13:00 | 1    | 8.68  |    | 140  |    |         |     | 8   |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 10/24/2002 |       | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |
| 9/6/2002   |       | 0    |       |    |      |    |         |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    | 0   | 0      |       |        |

## SURFACE WATER LOCATION: S-1

Page 5 of 8

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: S-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg  | Mn    | Hg     | Mo   | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|-------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|------|-------|-------|------|-------|------|-----|-------|--------|------|-------|------|-------|-----|--------|-------|--------|
| 4/21/1999  | 10:47 | 4887  | 8        | 90         | 7   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/30/1999  | 12:00 | 7585  | 8.5      | 80         | 7   | 117  | 7.32 | 217  | 2  | 0.02    | 14  | 5   | 181 | 0.04 | 0  | 0.78 | 0.002 | 0.005 | 20.5 | 0.007 | 0.05 | 7.7 | 0.022 | 0.0002 | 0.05 | 0.002 | 15.3 | 0.034 |     |        |       | 0.91   |
| 2/10/1999  | 8:55  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 1/29/1999  | 7:59  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 12/30/1998 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 11/30/1998 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 10/7/1998  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 9/30/1998  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 8/19/1998  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 7/27/1998  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 6/12/1998  |       | 32.8  | 8.2      | 300        | 14  | 181  | 8.21 | 326  | 3  | 0.14    | 21  | 10  | 201 | 0.05 |    | 0.03 | 0.002 | 0.005 | 16.8 | 0.005 | 0.05 | 5.9 | 0.005 | 0.0002 | 0.05 | 0.002 | 8.8  | 0.005 |     |        | 0.07  |        |
| 5/28/1998  |       | 69    | 8        | 90         | 11  |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 4/20/1998  |       | 2019  | 8        | 100        | 10  |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/23/1998  |       | 950.8 | 7.3      | 190        | 7   | 124  | 7.75 | 242  | 2  | 0.05    | 14  | 5   | 170 | 0.06 |    | 1.49 | 0.003 | 0.005 | 24   | 0.005 | 0.05 | 8.7 | 0.01  | 0.0002 | 0.05 | 0.002 | 15.3 | 0.005 |     |        | 0.88  |        |
| 2/6/1998   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 1/20/1998  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 9/11/1997  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 8/21/1997  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 7/29/1997  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 6/23/1997  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 5/23/1997  |       | 294   | 8        | 90         | 8   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 4/7/1997   |       | 2806  | 8.1      | 100        | 5   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/17/1997  |       | 11781 | 8.2      | 100        | 6   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 2/27/1997  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 1/10/1997  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 12/3/1996  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 11/14/1996 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 10/8/1996  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 9/5/1996   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 8/16/1996  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 7/3/1996   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 6/3/1996   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 5/6/1996   |       | 550   | 8.5      | 90         | 9   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 4/8/1996   |       | 6320  | 9.5      | 80         | 5   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 3/4/1996   | 8:56  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |
| 2/5/1996   | 8:29  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: S-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al    | As     | Cd     | Ca   | Cu     | Pb    | Mg  | Mn    | Hg      | Mo | Se    | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dls |  |
|------------|-------|-------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|-------|--------|--------|------|--------|-------|-----|-------|---------|----|-------|------|----|-----|--------|-------|--------|--|
| 1/3/1996   | 12:23 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 12/4/1995  | 8:22  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 11/2/1995  | 12:29 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 10/2/1995  | 11:42 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 9/5/1996   | 12:47 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 8/2/1995   | 12:31 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 7/10/1995  | 10:24 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 6/7/1995   | 9:14  | 2410  | 8.4      | 100        | 7   |      | 7.77 | 160  | 1  | -0.02   |     | 9   | 120 | 0.03 |    | 0.33  | -0.002 | -0.005 | 18.1 | -0.005 | -0.05 | 6.2 | 0.009 | -0.0002 |    | 0.019 | 9.5  |    |     |        |       | 0.7    |  |
| 6/7/1995   | 9:14  |       |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 5/1/1995   | 10:07 | 5065  | 8.6      | 90         | 4   |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 4/3/1995   | 10:26 | 180   | 8.4      | 150        | 4   |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 3/13/1995  | 9:54  | 145   | 8.5      | 230        | 5   |      | 8.18 | 250  | 2  | 0.03    |     | -5  | 190 | 0.04 |    | -0.02 | -0.001 | -0.005 | 23.2 | 0.005  | -0.05 | 7.3 | 0.005 | -0.0002 |    | 0.003 | 14.4 |    |     |        |       | 0.19   |  |
| 3/13/1995  | 9:54  |       |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 3/7/1995   | 11:57 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 2/6/1995   | 9:29  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 1/3/1985   | 8:16  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 12/5/1994  | 10:56 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 11/8/1994  | 9:50  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 10/4/1994  | 9:02  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 9/14/1994  | 8:42  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 8/8/1994   | 12:13 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 7/11/1994  | 13:28 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 6/9/1994   | 9:24  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 5/31/1994  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 4/30/1994  | 14:15 | 1200  | 8.6      | 130        | 10  | 74   | 8.10 | 148  |    |         |     | 4   | 106 |      |    |       |        |        |      | -0.01  | -0.02 |     | 0.01  |         |    |       |      |    |     |        | 0.82  |        |  |
| 3/31/1994  | 8:39  | 95    | 8.4      | 170        | 10  | 90   | 8.00 | 242  |    |         |     | 4   | 150 |      |    |       |        |        |      | 0.01   | -0.02 |     | 0.01  |         |    |       |      |    |     |        | 0.28  |        |  |
| 12/21/1993 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 11/10/1993 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 10/29/1993 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 9/8/1993   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 8/30/1993  | 13:45 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 7/28/1993  | 8:20  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 7/1/1993   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |
| 4/29/1993  | 11:50 | 20882 | 8.3      | 70         | 6   | 48   | 8.10 | 95   |    |         |     | 66  | 92  |      |    |       |        |        |      | -0.01  | -0.02 |     | 0.06  |         |    |       |      |    |     |        | 1.97  |        |  |
| 3/19/1993  | 12:15 | 1000  | 8.4      | 220        | 7   | 154  | 8.40 | 328  |    |         |     | -2  | 210 |      |    |       |        |        |      | -0.01  | -0.02 |     | 0.01  |         |    |       |      |    |     |        | 0.02  |        |  |
| 2/26/1993  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |       |        |        |      |        |       |     |       |         |    |       |      |    |     |        |       |        |  |

MONITORING DATA FOR 2022 AHR

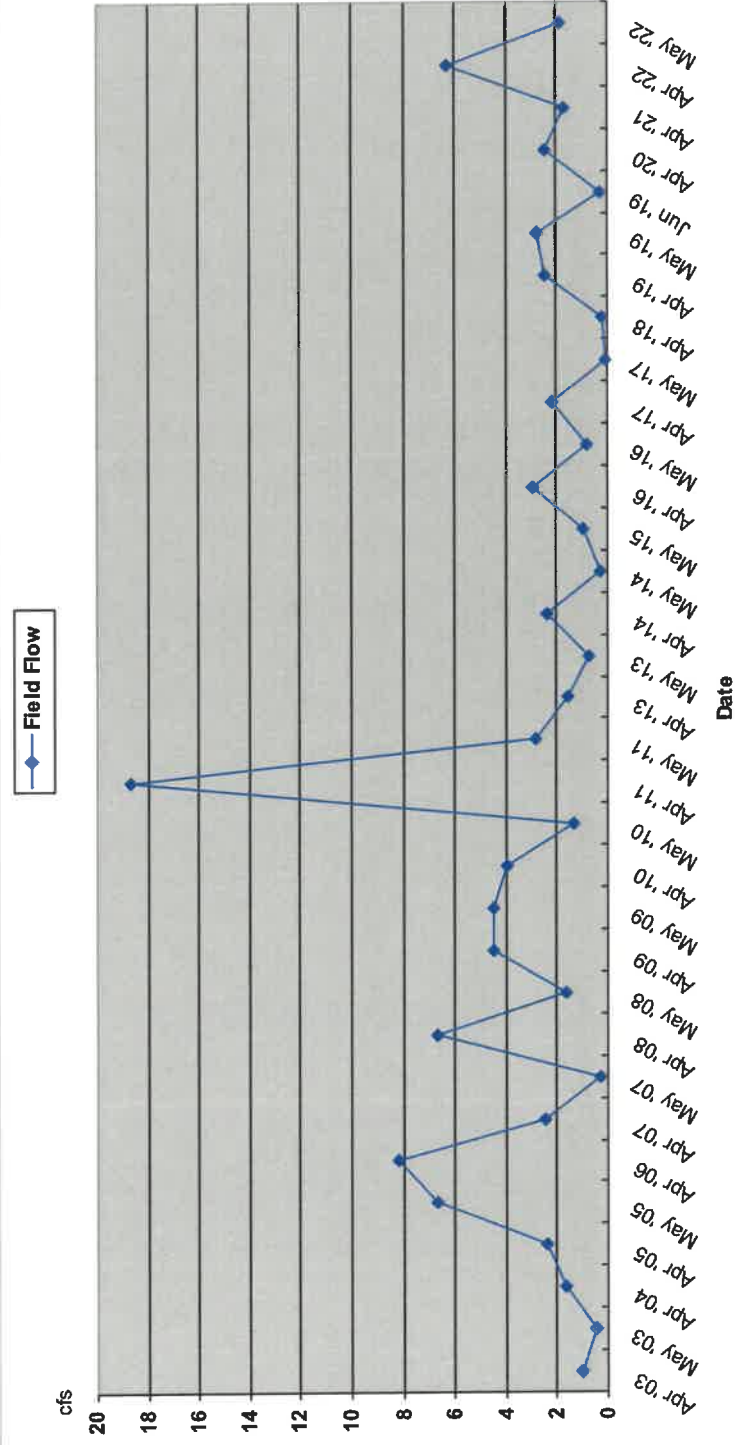
SURFACE WATER LOCATION: S-1

| Date      | Time | Flow | Field pH | Field Cond | Tem | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO | Al | As | Cd | Ca | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|-----------|------|------|----------|------------|-----|------|----|------|----|---------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 1/30/1993 |      |      |          |            |     |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

0

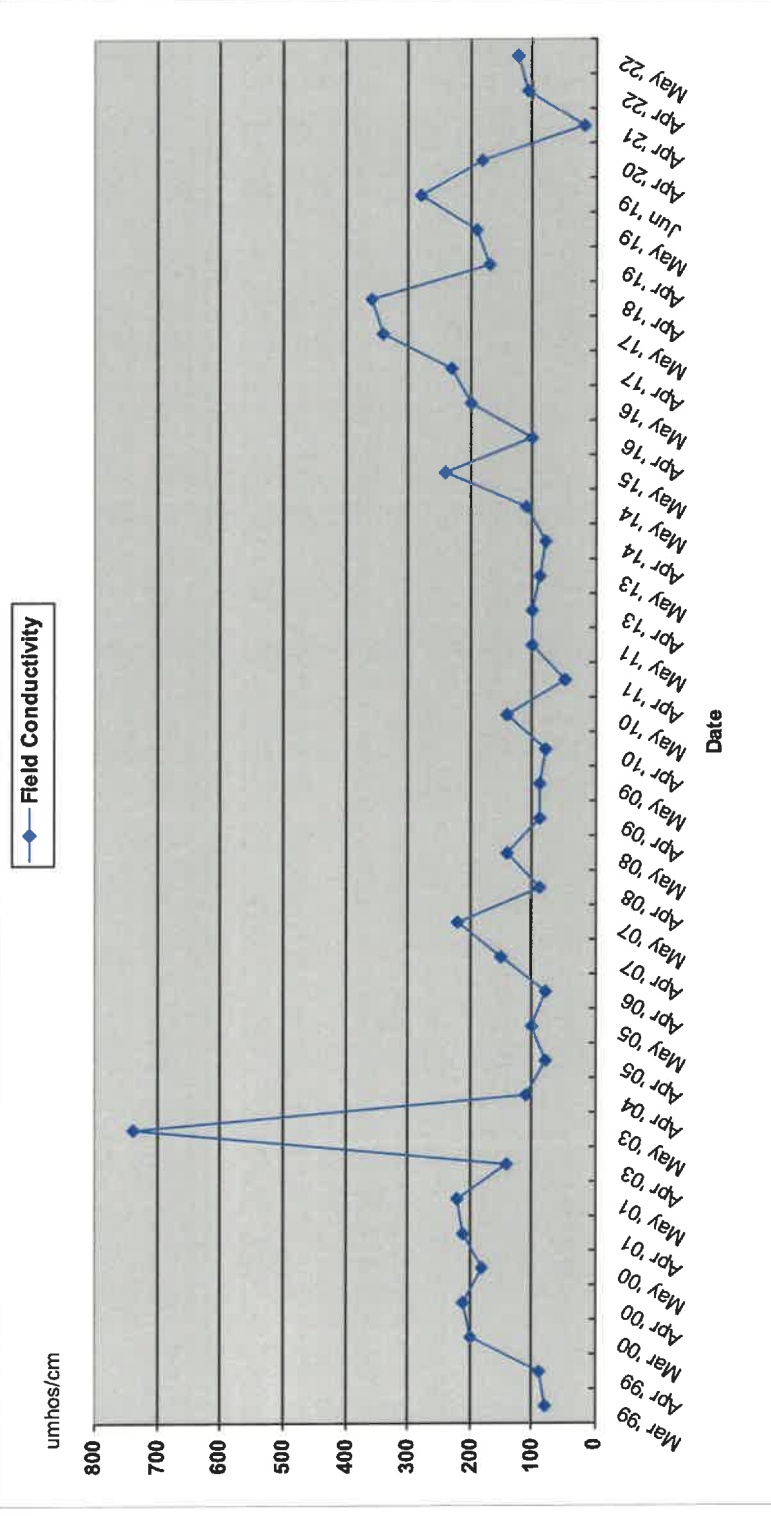
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: S-1



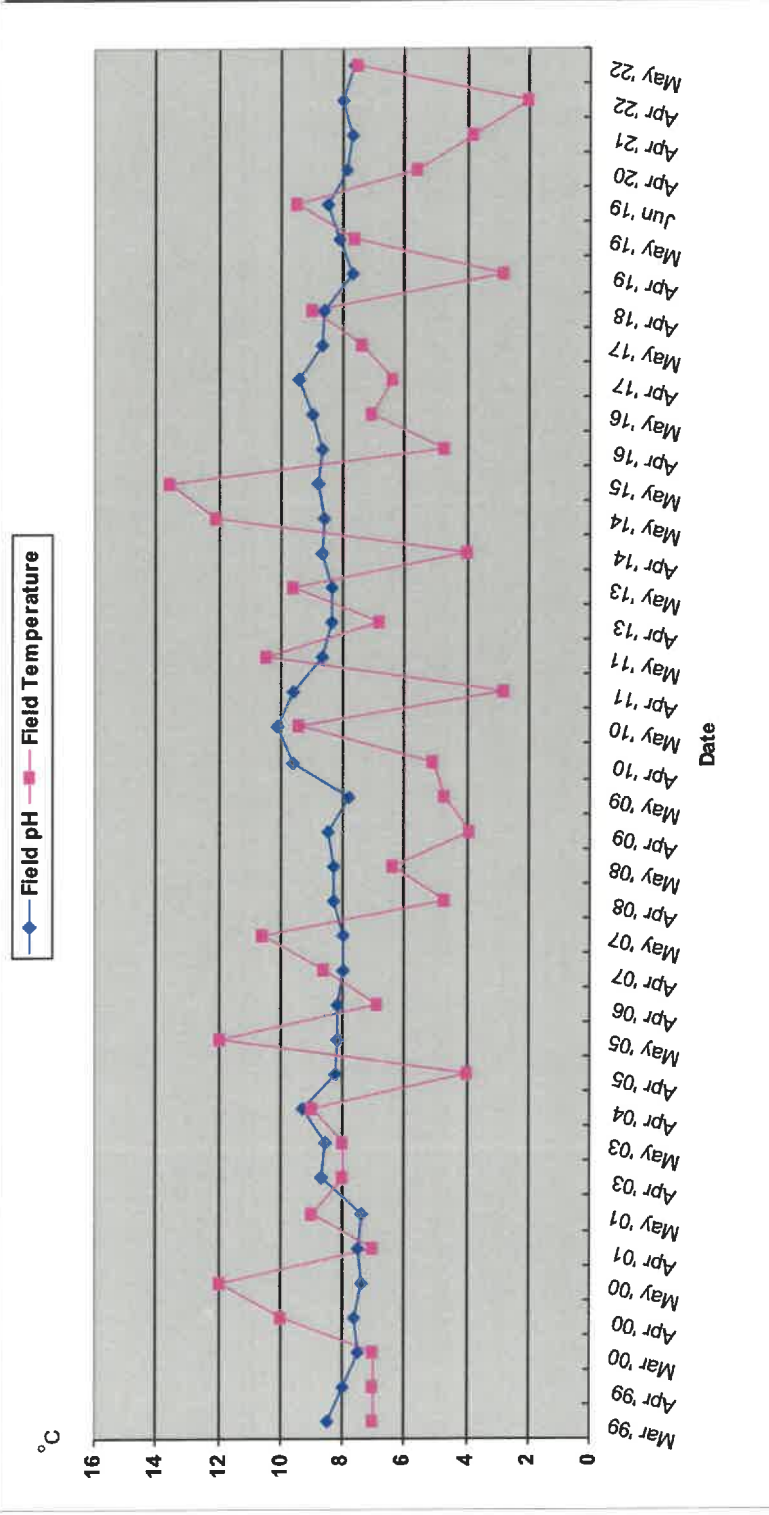
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: S-1



# MONITORING CHART FOR 2022 AHR

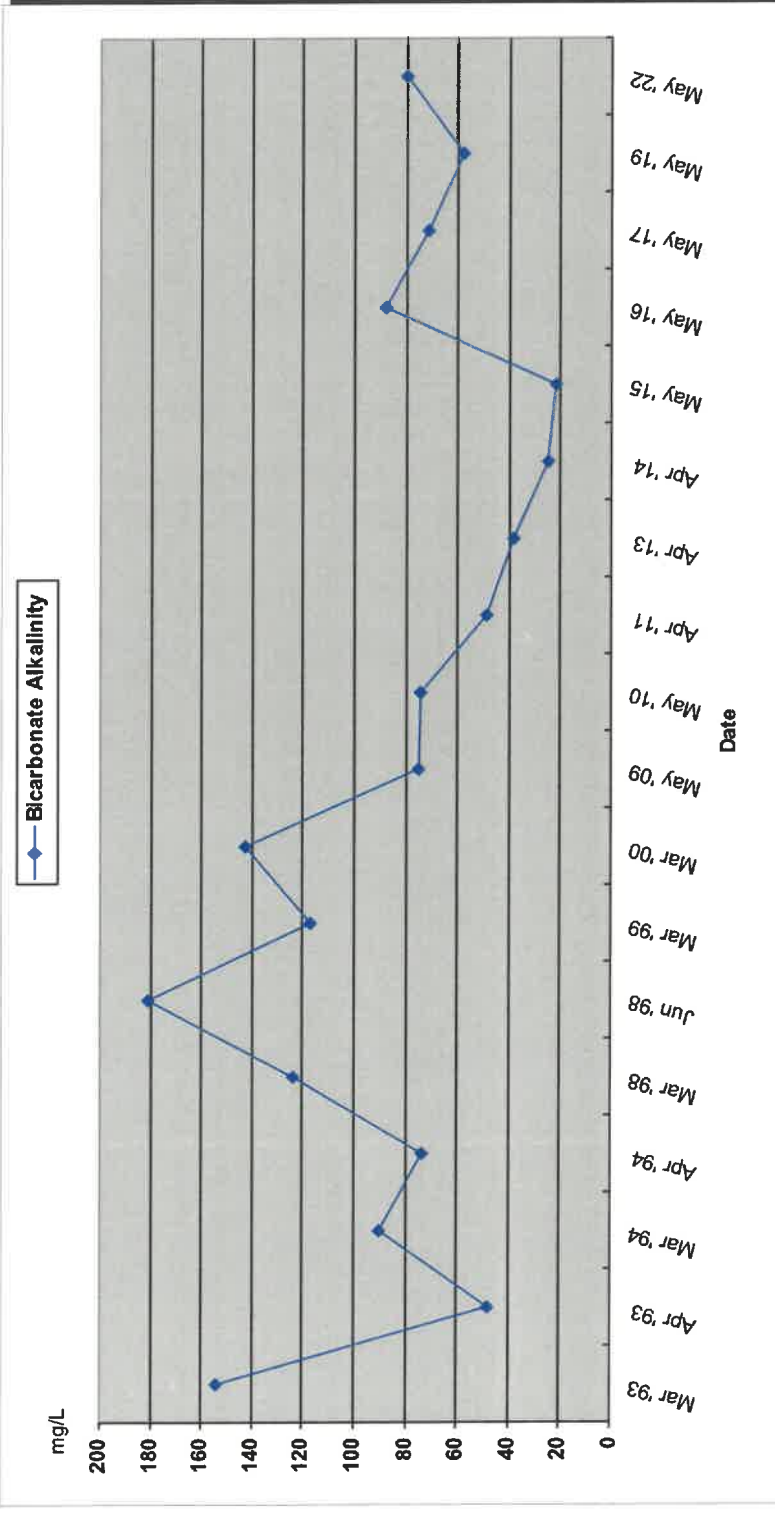
SURFACE WATER LOCATION: S-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

# MONITORING CHART FOR 2022 AHR

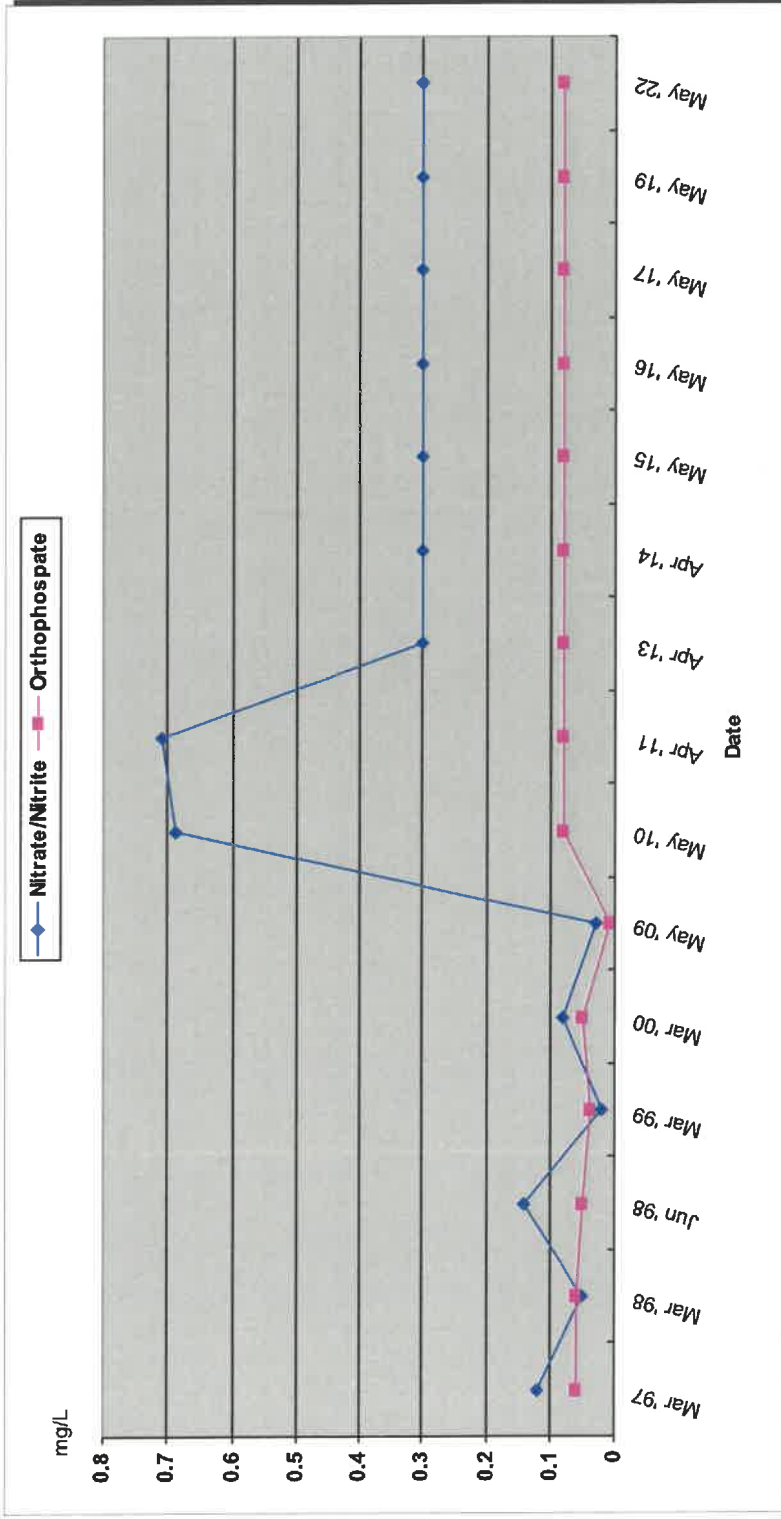
SURFACE WATER LOCATION: S-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

# MONITORING CHART FOR 2022 AHR

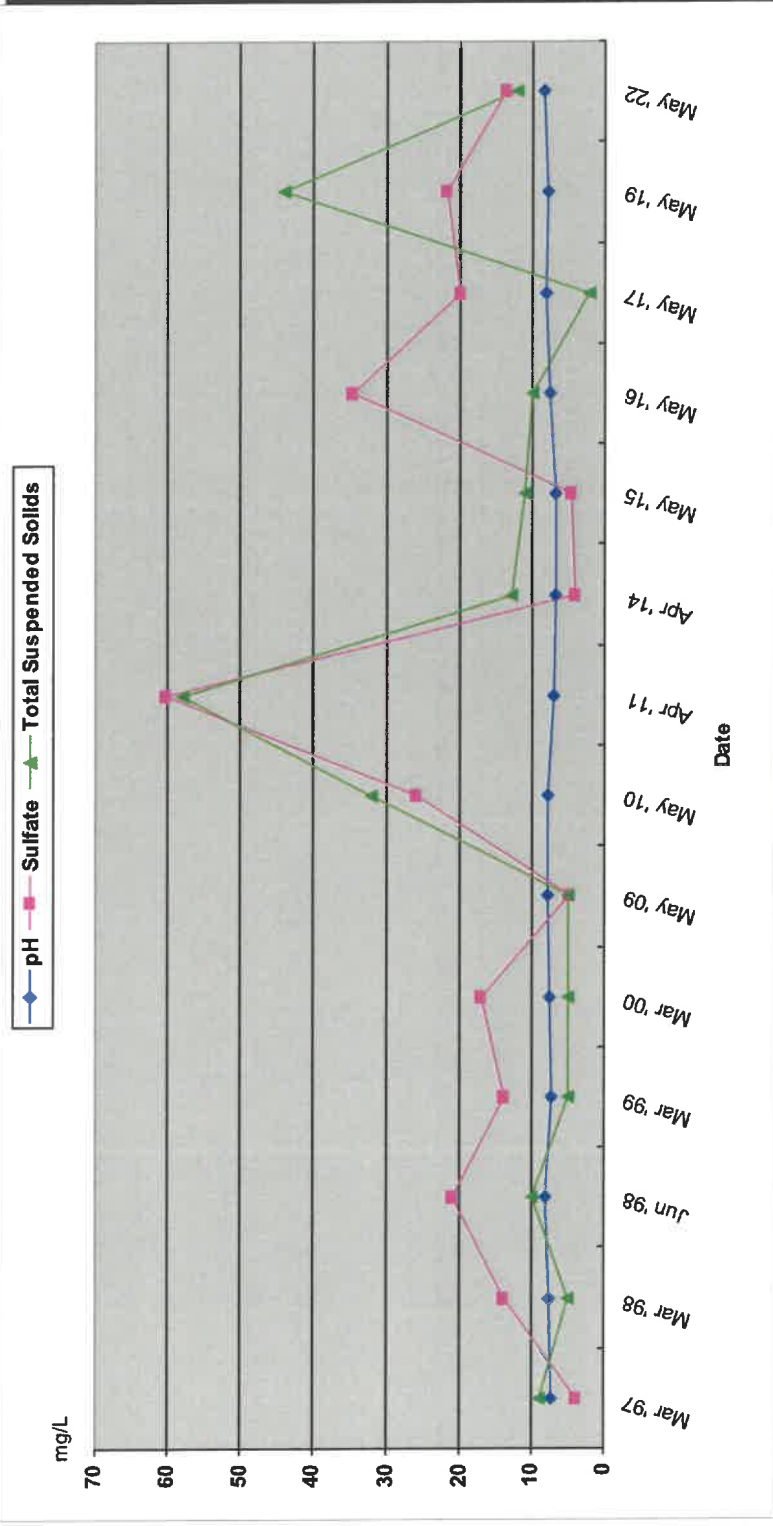
SURFACE WATER LOCATION: S-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

# MONITORING CHART FOR 2022 AHR

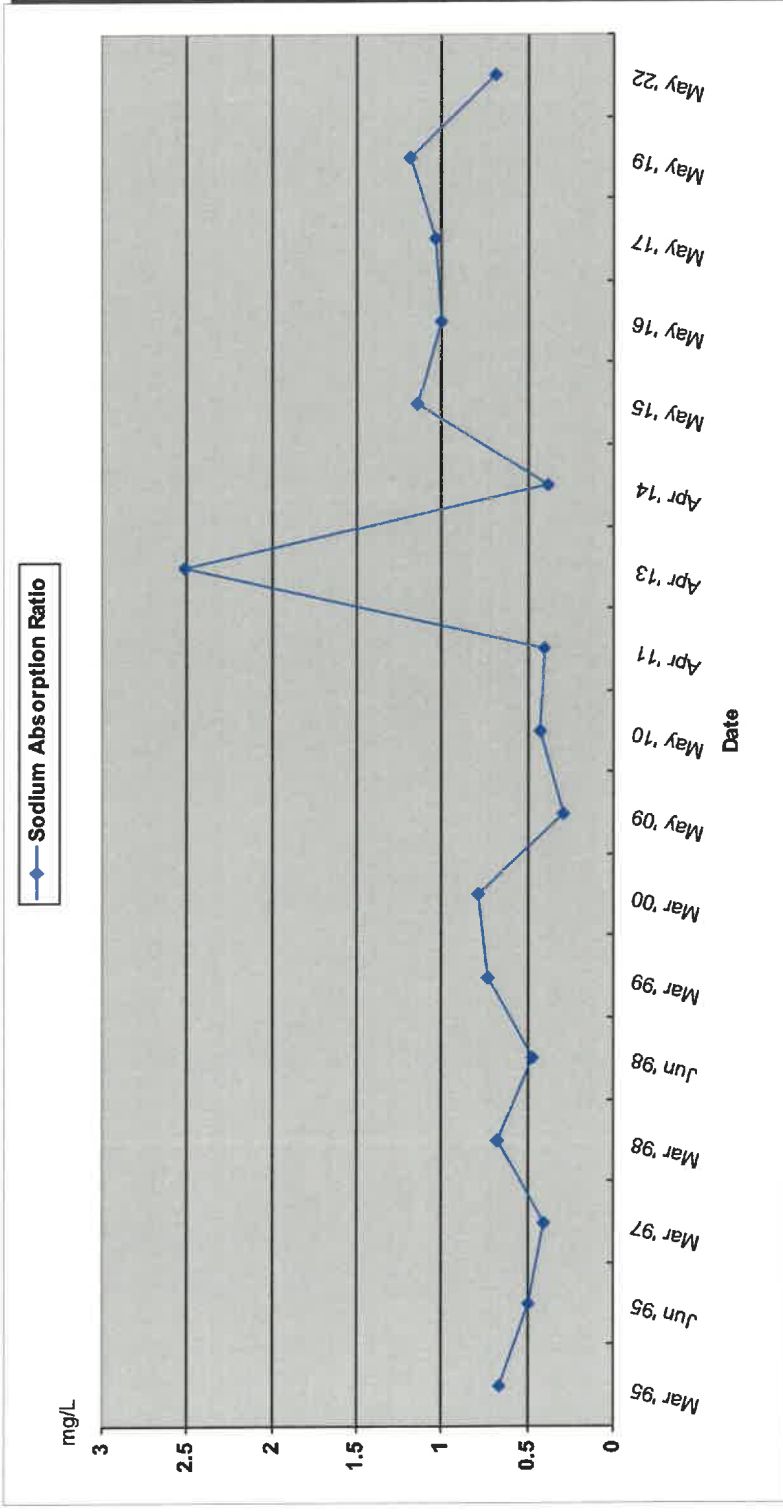
SURFACE WATER LOCATION: S-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

# MONITORING CHART FOR 2022 AHR

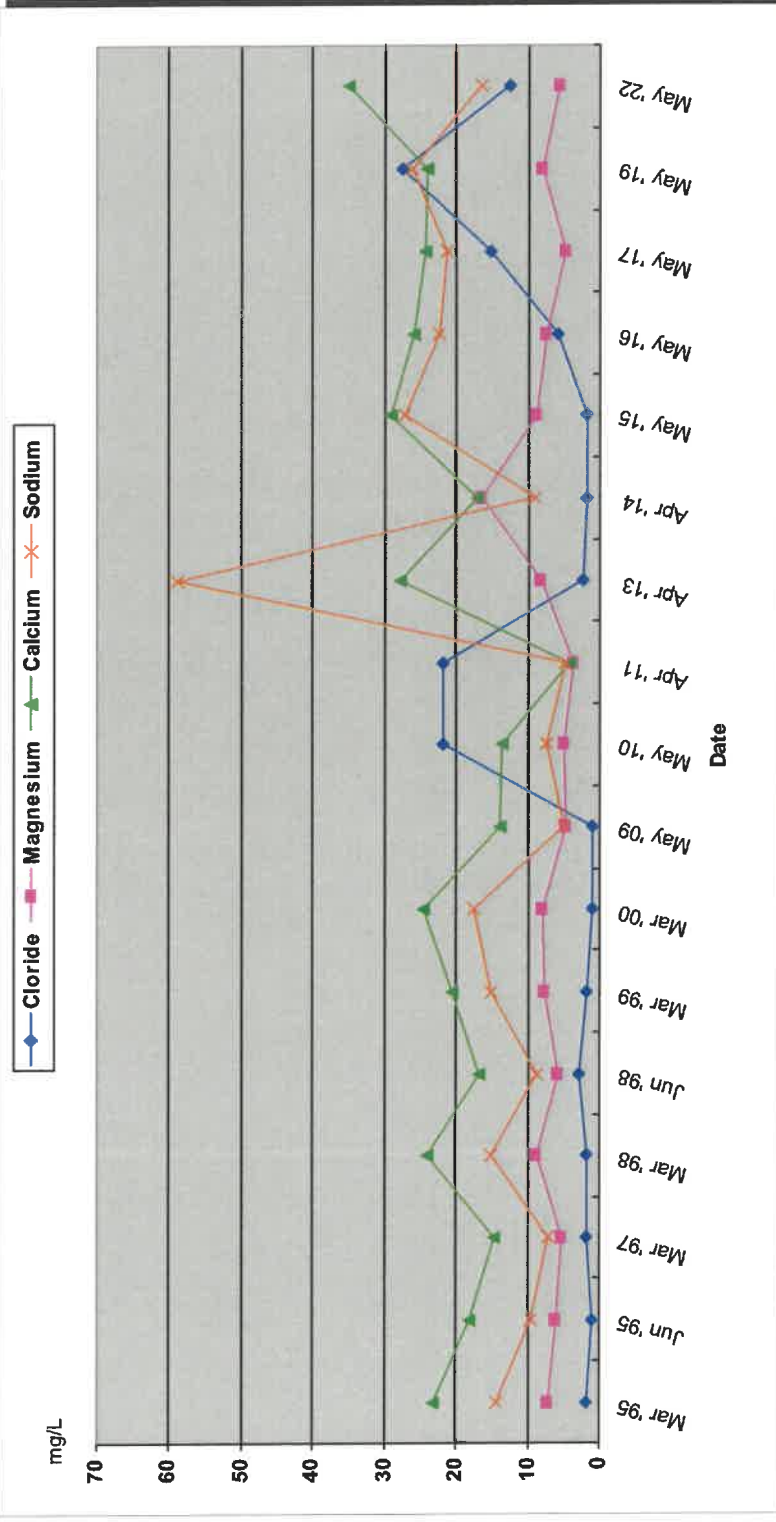
SURFACE WATER LOCATION: S-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

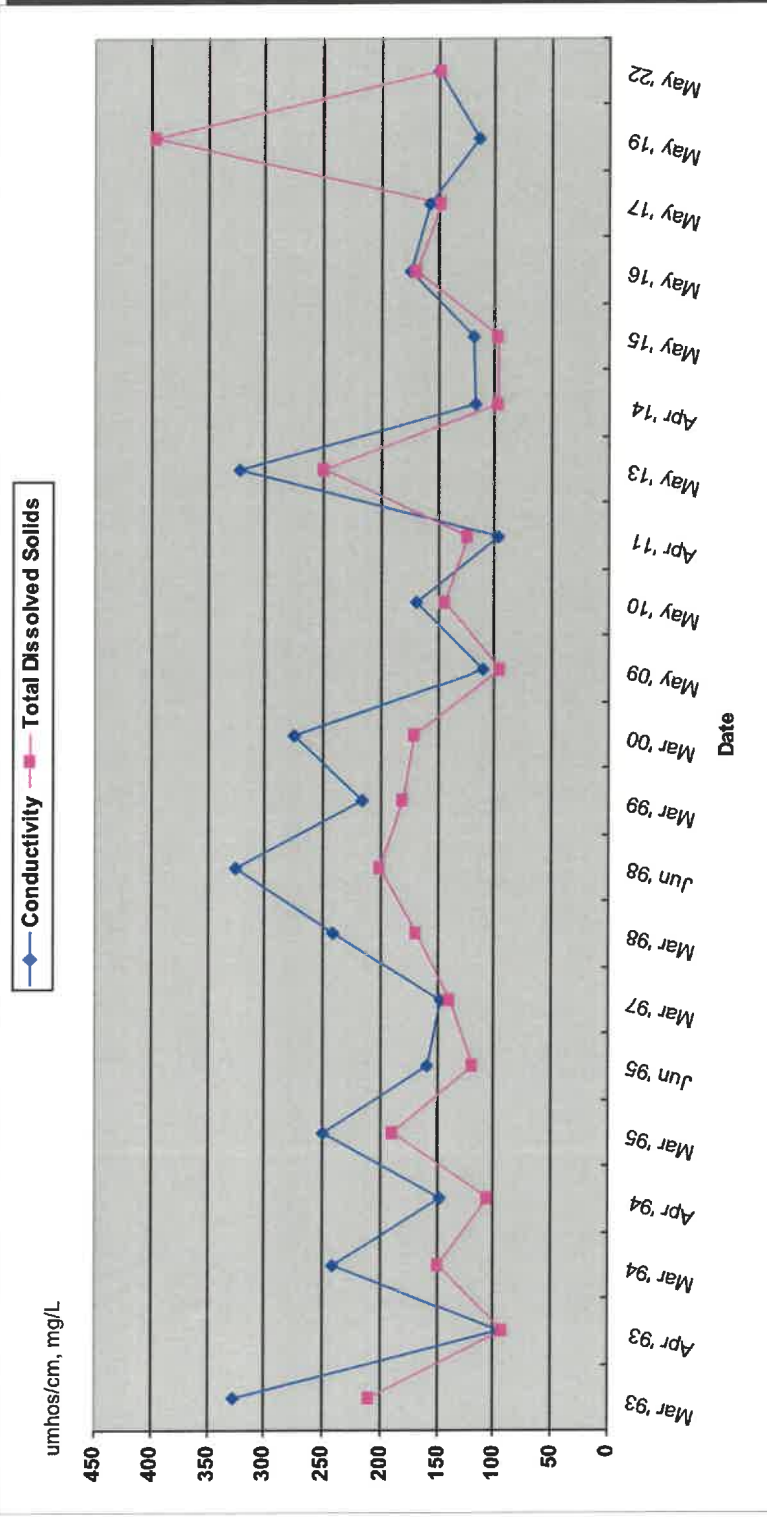
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: S-1



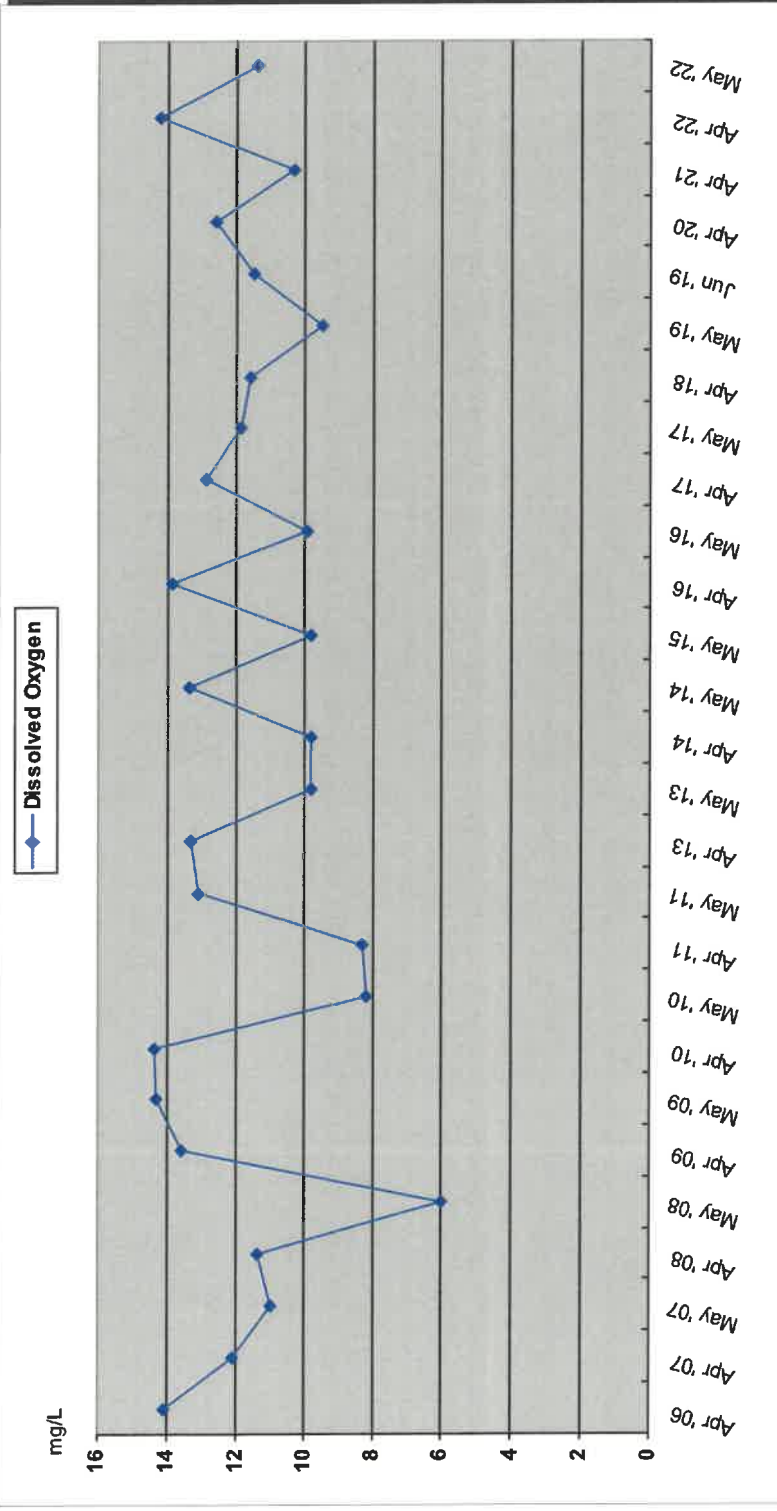
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: S-1



# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: S-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

## E-1 LOWER ELK CREEK

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: E-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS  | DO   | PO4  | Al   | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se   | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|------|------|------|------|----|----|------|----|----|------|----|----|----|------|----|----|-----|--------|-------|--------|--|
| 10/12/2022 | 14:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 9/6/2022   | 14:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 8/12/2022  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 7/16/2022  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 6/7/2022   | 13:05 | 0.6  | 8.7      | 605        | 15   |        |      |      |       |         |       |      | 12.8 |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 5/9/2022   | 14:10 | 8.3  | 8.2      | 300        | 10.5 | 148    | 7.95 | 325  | 49.99 | 0.3     | 5.76  | 1300 | 695  | 0.08 | 9.7  |    |    | 50.5 |    |    | 10.7 |    |    |    | 41.3 |    |    |     |        |       | 0.101  |  |
| 4/26/2022  | 12:05 | 25   | 8.3      | 261        | 5    |        |      |      |       |         |       |      | 12.5 |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 10/21/2021 | 14:15 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 9/20/2021  | 14:15 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 8/12/2021  | 14:15 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 7/26/2021  | 15:15 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 6/11/2021  | 13:10 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 5/18/2021  | 13:00 | 0.7  | 8.2      | 760        | 14.8 | 148    | 8.08 | 514  | 84.97 | 0.3     | 33.75 | 62   | 394  | 0.08 | 7.8  |    |    | 54.5 |    |    | 13.5 |    |    |    | 49.7 |    |    |     |        | 0.504 | 0.113  |  |
| 4/12/2021  | 13:20 | 0.6  | 7.5      | 480        | 6    |        |      |      |       |         |       |      | 12.4 |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 10/6/2020  | 13:45 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 9/15/2020  | 13:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 8/12/2020  | 14:45 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 7/12/2020  | 15:45 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 6/20/2020  | 12:00 | 0.1  | 8.7      | 1030       | 15.9 |        |      |      |       |         |       |      | 8.8  |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 5/18/2020  | 14:25 | 0.65 | 8.9      | 810        | 17.3 | 137    | 8.09 | 353  | 42.49 | 0.3     | 53.22 | 50   | 318  | 0.08 | 7.1  |    |    | 49.3 |    |    | 9.0  |    |    |    | 45.9 |    |    |     |        | 0.645 | 0.113  |  |
| 4/27/2020  | 13:35 | 3.4  | 8.5      | 520        | 12   |        |      |      |       |         |       |      | 10.8 |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 10/17/2019 | 9:45  | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 9/18/2019  | 14:30 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 8/20/2019  | 14:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 7/10/2019  | 14:00 | 0.09 | 8.2      | 1200       | 17.9 | 126.3  | 8.50 | 586  | 37.72 | 0.3     | 76.7  | 12   | 504  | 0.08 | 8.2  |    |    | 48.5 |    |    | 11.5 |    |    |    | 46.3 |    |    |     |        | 0.725 | 0.131  |  |
| 6/7/2019   | 13:15 | 6.2  | 8.5      | 810        | 15.1 |        |      |      |       |         |       |      | 10   |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 5/13/2019  | 14:35 | 11.7 | 8.2      | 40         | 12.6 | 130    | 7.44 | 294  | 65.33 | 0.3     | 25.52 | 1990 | 550  | 0.08 | 9.4  |    |    | 71.8 |    |    | 11.9 |    |    |    | 53.5 |    |    |     |        | 0.841 | 0.167  |  |
| 4/12/2019  | 12:30 | 8.3  | 8.1      | 540        | 4    |        |      |      |       |         |       |      | 13.2 |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 10/17/2018 | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 9/14/2018  | 11:45 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 8/27/2018  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 7/11/2018  | 14:40 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 6/22/2018  | 11:20 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 5/14/2018  | 12:45 | 0.22 | 9.1      | 1050       | 9.5  | 143.58 | 7.90 | 564  | 59.53 | 0.3     | 83.55 | 20   | 434  | 0.08 | 10.5 |    |    | 53.1 |    |    | 10.6 |    |    |    | 47.6 |    |    |     |        | 0.678 | 0.128  |  |
| 4/24/2018  | 12:05 | 2.1  | 9        | 770        | 10.1 |        |      |      |       |         |       |      | 11.4 |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |
| 10/19/2017 | 11:40 | 0    |          |            |      |        |      |      |       |         |       |      |      |      |      |    |    |      |    |    |      |    |    |    |      |    |    |     |        |       |        |  |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: E-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Diss |  |  |
|------------|-------|-------|----------|------------|------|--------|------|------|-------|---------|-------|-----|-----|------|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|---------|--|--|
| 9/11/2017  | 9:00  | 0     |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 8/8/2017   | 13:10 | 0.03  | 8.6      | 1170       | 15.1 | 149.35 | 8.29 | 421  | 38.13 | 0.3     | 84.79 | 12  | 402 | 0.08 | 10.1 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 7/18/2017  | 13:15 | 0.04  | 9.4      | 1270       | 17.6 | 149.35 | 8.29 | 421  | 38.13 | 0.3     | 84.79 | 12  | 402 | 0.08 | 10.1 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 6/6/2017   | 12:30 | 1.5   | 9.4      | 870        | 12.1 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 5/17/2017  | 11:45 | 2.5   | 9        | 650        | 6.4  | 129.93 | 7.96 | 339  | 42.4  | 0.3     | 80.67 | 510 | 320 | 0.08 | 12.7 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 4/28/2017  | 11:34 | 7     | 9        | 540        | 3.6  |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 10/28/2016 | 12:15 | 0.01  | 9        | 1450       | 10.4 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 9/22/2016  | 12:30 | 0.02  | 8.9      | 1370       | 13.9 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 8/25/2016  | 13:20 | 0.01  | 9.1      | 250        | 11.9 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 7/25/2016  | 12:40 | 0.5   | 9.1      | 540        | 14.6 | 196.54 | 8.63 | 466  | 17.73 | 0.3     | 95.49 | 18  | 486 | 0.08 | 9.8  |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 6/9/2016   | 13:15 | 1.4   | 8.9      | 600        | 16.1 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 5/23/2016  | 12:45 | 9.6   | 8.8      | 260        | 11.4 | 165.18 | 7.91 | 324  | 9.45  | 0.3     | 50.17 | 423 | 306 | 0.08 | 10.1 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 4/26/2016  | 8:30  | 20    | 8.5      | 280        | 5.4  |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 10/21/2015 | 9:00  | 0.1   | 8.8      | 910        | 9.1  |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 9/22/2015  | 11:00 | 0.1   | 9.5      | 730        | 11.6 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 8/4/2015   | 1:30  | 0.15  | 9.1      | 740        | 15.8 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 7/21/2015  | 14:20 | 0.15  | 8.9      | 790        | 16.1 | 183.14 | 8.02 | 404  | 12.76 | 0.3     | 65.43 | 22  | 388 | 0.08 | 9.9  |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 6/17/2015  | 13:30 | 0.1   | 8.9      | 850        | 13.9 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 5/4/2015   | 14:15 | 1.1   | 9.2      | 540        | 12.7 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 4/14/2015  | 11:30 | 0.1   | 9.2      | 550        | 5    | 163.4  | 7.28 | 486  | 6.76  | 0.3     | 49.39 | 24  | 438 | 0.08 | 14.7 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 10/31/2014 | 11:45 | 0.1   | 10       | 680        | 9    |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 9/10/2014  | 10:40 | 0.1   | 9.1      | 510        | 15.4 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 8/25/2014  | 14:45 | 0.1   | 10.1     | 680        | 16.5 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 7/8/2014   | 11:00 | 0.3   | 8.9      | 260        | 12.3 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 6/11/2014  | 15:00 | 0.56  | 9.5      | 460        | 17.3 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 5/19/2014  | 14:45 | 4.65  | 9.3      | 290        | 15.8 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 4/8/2014   | 13:45 | 7.8   | 9.1      | 240        | 9    |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 10/18/2013 | 14:40 | 0.045 | 9.4      | 820        | 7.8  |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 9/9/2013   | 13:30 | 0.08  | 9.5      | 900        | 16   |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 8/16/2013  | 12:50 | 0.5   | 9.8      | 3300       | 12.8 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 7/18/2013  | 14:30 | 0.5   | 9.7      | 4600       | 22.7 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 6/5/2013   | 2:30  | 0.37  | 8.9      | 2600       | 16.9 |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 5/6/2013   | 13:45 | 7.8   | 8.3      | 240        | 9    | 166.19 | 7.57 | 371  | 4.84  | 0.3     | 8.43  | 340 | 320 | 0.08 | 9.6  |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 4/22/2013  | 14:50 | 0.5   | 8.8      | 250        | 9.9  |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 10/10/2012 | 13:00 | 0     |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |
| 9/6/2012   | 12:00 | 0     |          |            |      |        |      |      |       |         |       |     |     |      |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |         |  |  |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: E-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS  | TDS | PO4   | DO   | Al | As | Cd | Cu    | Pb | Mg   | Mn | Hg | Mo | Se    | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dls |  |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|------|-----|-------|------|----|----|----|-------|----|------|----|----|----|-------|----|----|-----|--------|-------|--------|--|
| 8/2/2012   | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 7/30/2012  | 13:30 | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 6/13/2012  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 5/9/2012   | 14:15 | 0.06 | 9.2      | 420        | 10.7 | 177.3  | 8.28 | 542  | 59.56 | 0.98    | 24.88 | 100  | 408 | 0.08  | 8.7  |    |    |    | 49.8  |    | 13.4 |    |    |    | 74.6  |    |    |     |        | 0.68  | 0.06   |  |
| 4/23/2012  | 15:00 | 0.73 | 9.1      | 340        | 13.5 |        |      |      |       |         |       |      |     |       | 13.2 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 10/18/2011 | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 9/8/2011   | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 8/15/2011  | 12:00 | 0.3  | 8.7      | 580        | 15.2 |        |      |      |       |         |       |      |     |       | 14.5 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 7/26/2011  | 12:00 | 0.3  | 8.9      | 680        | 15.2 |        |      |      |       |         |       |      |     |       | 11.9 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 6/14/2011  | 14:15 | 1.12 | 8.6      | 430        | 14.5 |        |      |      |       |         |       |      |     |       | 10.9 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 5/23/2011  | 15:00 | 11.9 | 8.5      | 250        | 9.7  |        |      |      |       |         |       |      |     |       | 13.6 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 4/29/2011  | 8:00  | 14.2 | 7.8      | 170        | 10.2 | 95.5   | 7.68 | 232  | 6.52  | 1.23    | 127.6 | 1766 | 370 | 0.084 | 8.3  |    |    |    | 46.2  |    | 32.2 |    |    |    | 23.21 |    |    |     |        | 74    | 0.08   |  |
| 10/27/2010 | 14:00 | 0.01 | 8.8      | 790        | 5.3  |        |      |      |       |         |       |      |     |       | 16.8 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 9/27/2010  | 15:00 | 0.01 | 8.7      | 840        | 14.6 |        |      |      |       |         |       |      |     |       | 10.2 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 8/5/2010   | 12:30 | 0.1  | 8.9      | 720        | 20   | 272.95 | 8.30 | 735  | 20.42 | 0.3     | 93.43 | 50   | 558 | 0.028 | 12.5 |    |    |    | 21.05 |    | 14.8 |    |    |    | 164   |    |    |     |        | 0.19  | 0.01   |  |
| 7/15/2010  | 13:30 | 0.1  | 8.3      | 650        | 14.8 |        |      |      |       |         |       |      |     |       | 13.6 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 6/4/2010   | 14:30 | 0.6  | 8.8      | 500        | 12.5 |        |      |      |       |         |       |      |     |       | 11.3 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 5/18/2010  | 13:50 | 7.14 | 8.9      | 260        | 11.5 | 158.31 | 8.19 | 327  | 4.36  | 1.47    | 25.11 | 1000 | 270 | 0.086 | 8.3  |    |    |    | 35.3  |    | 12.2 |    |    |    | 35.8  |    |    |     |        | 11.09 | 0.04   |  |
| 4/22/2010  | 13:45 | 5.9  | 8.8      | 230        | 7.2  |        |      |      |       |         |       |      |     |       | 14.3 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 10/12/2009 | 1:00  | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 9/25/2009  | 2:00  | 0.1  | 7.9      | 800        | 15.9 |        |      |      |       |         |       |      |     |       | 9    |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 8/5/2009   | 2:30  | 0.1  | 8.6      | 630        | 16   | 350    | 8.60 | 710  | 8     | 0.09    | 100   | 5    | 480 | 0.01  | 9    |    |    |    |       |    | 14.0 |    |    |    | 140   |    |    |     |        | 0.05  | 0.01   |  |
| 7/7/2009   | 3:20  | 0.1  | 7.8      | 680        | 21.4 |        |      |      |       |         |       |      |     |       | 13.8 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 6/22/2009  | 11:15 | 4.05 | 8        | 510        | 13.8 |        |      |      |       |         |       |      |     |       | 13.3 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 5/6/2009   | 11:30 | 11   | 7.9      | 210        | 7.4  | 170    | 8.18 | 250  | 1     | 0.08    | 10    | 1300 | 270 | 0.03  | 16.6 |    |    |    | 47    |    | 6.2  |    |    |    | 29    |    |    |     |        | 25    | 0.02   |  |
| 4/29/2009  | 9:15  | 11   | 8.8      | 220        | 3.2  |        |      |      |       |         |       |      |     |       | 14.7 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 10/15/2008 | 15:30 | 0    |          |            |      |        |      |      |       |         |       |      |     |       |      |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 9/11/2008  | 14:30 | 0.1  | 7.8      | 780        | 15.7 |        |      |      |       |         |       |      |     |       | 7.8  |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 8/5/2008   | 14:40 | 0.1  | 8.6      | 630        | 16.3 | 350    | 8.59 | 800  | 9     | 0.04    | 120   | 5    | 510 | 0.01  | 7.8  |    |    |    | 23    |    | 16.0 |    |    |    | 150   |    |    |     |        | 0.08  | 0.01   |  |
| 7/29/2008  | 15:30 | 0.1  | 9.7      | 750        | 22   |        |      |      |       |         |       |      |     |       | 9.4  |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 6/18/2008  | 14:20 | 1.84 | 8.9      | 460        | 15.7 | 320    | 8.37 | 550  | 4     | 0.02    | 53    | 85   | 370 | 0.02  | 11.8 |    |    |    | 52    |    | 13.0 |    |    |    | 70    |    |    |     |        | 1.9   | 0.01   |  |
| 5/23/2008  | 14:20 | 7.7  | 8.4      | 320        | 15   |        |      |      |       |         |       |      |     |       | 6.7  |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 4/21/2008  | 13:15 | 22.7 | 8.5      | 200        | 9    |        |      |      |       |         |       |      |     |       | 14.7 |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 10/24/2007 | 15:05 | 0.4  | 9.15     | 520        | 9    |        |      |      |       |         |       |      |     |       | 8.9  |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 9/11/2007  | 3:00  | 0    | 9.19     | 750        | 15.6 |        |      |      |       |         |       |      |     |       | 3    |    |    |    |       |    |      |    |    |    |       |    |    |     |        |       |        |  |
| 8/7/2007   | 14:30 | 0.4  | 9.1      | 650        | 18.9 | 350    | 8.40 | 750  | 9     | 0.04    | 98    | 7    | 500 | 0.01  | 8.7  |    |    |    | 33    |    | 15.0 |    |    |    | 130   |    |    |     |        | 0.3   | 0.01   |  |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: E-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al  | As    | Cd    | Ca   | Cu    | Pb   | Mg   | Mn    | Hg     | Mo   | Se    | Na  | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|-------|----------|------------|------|------|------|------|----|---------|-----|-----|-----|------|------|-----|-------|-------|------|-------|------|------|-------|--------|------|-------|-----|-------|-----|--------|-------|--------|
| 7/17/2007  | 3:45  | 0.04  | 8.7      | 720        | 23.8 |      |      |      |    |         |     |     |     |      | 6.3  |     |       |       |      |       |      |      |       |        |      |       |     |       |     |        |       |        |
| 6/15/2007  | 15:10 | 0.4   | 8.86     | 480        | 18.6 | 320  | 8.39 | 580  | 4  | 0.02    | 58  | 27  | 360 | 0.02 | 7.9  |     |       |       | 36   |       |      | 13.0 |       |        |      |       | 83  |       |     | 0      | 0.89  | 0.01   |
| 5/15/2007  | 15:30 | 1.28  | 8.4      | 500        | 8.1  |      |      |      |    |         |     |     |     |      | 10.2 |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 4/30/2007  | 13:30 | 8.6   | 8.38     | 380        | 15.1 |      |      |      |    |         |     |     |     |      | 9.6  |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 10/17/2006 | 13:00 | 2.9   | 8.51     | 530        | 6.9  |      |      |      |    |         |     |     |     |      | 5.3  |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 9/27/2006  | 1:15  | 0     | 8.96     | 720        | 10   |      |      |      |    |         |     |     |     |      | 11.2 |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 8/10/2006  | 10:00 | 2.84  | 9.74     | 820        | 16   | 380  | 8.33 | 910  | 25 | 0.28    | 130 | 23  | 560 | 0.01 | 6.7  |     |       |       | 20   |       |      | 16.0 |       |        |      |       | 150 |       |     | 0      | 1.2   | 0.01   |
| 7/21/2006  | 15:00 | 0     | 9.43     | 710        | 16.6 |      |      |      |    |         |     |     |     |      | 6.6  |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 6/13/2006  | 12:30 | 2.84  | 8.6      | 260        | 16   | 360  | 8.20 | 740  | 7  | 0.05    | 96  | 5   | 460 | 0.01 | 8.2  |     |       |       | 40   |       |      | 15.0 |       |        |      |       | 120 |       |     | 0      | 0.15  | 0.01   |
| 5/26/2006  | 11:20 | 0.99  | 8.96     | 480        | 11.3 |      |      |      |    |         |     |     |     |      | 10.6 |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 4/17/2006  | 15:00 | 39.4  | 8.1      | 180        | 10.4 |      |      |      |    |         |     |     |     |      | 13   |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 10/17/2005 | 3:15  | 0.1   | 8.62     | 800        | 17   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 9/14/2005  | 14:30 | 0.1   | 8.75     | 670        | 19.4 |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 8/30/2005  | 14:30 | 0     | 9.2      | 790        | 17   | 360  | 8.58 | 850  | 14 | 0.07    | 140 | 5   | 540 | 0.01 |      |     |       |       |      |       |      | 16.0 |       |        |      |       | 170 |       |     | 0      | 0.12  | 0.01   |
| 8/5/2005   | 15:25 | 0.1   | 8.8      | 740        | 18   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 7/25/2005  | 15:45 | 0.1   | 8.88     | 790        | 20   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 6/15/2005  | 15:00 | 1.63  | 9.24     | 440        | 15   | 290  | 8.54 | 480  | 2  | 0.02    | 25  | 380 | 330 | 0.02 |      |     |       |       | 58   |       |      | 12.0 |       |        |      |       | 32  |       |     | 0      | 13    | 0.01   |
| 5/9/2005   | 15:15 | 38.76 | 8.58     | 200        | 14   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 4/18/2005  | 12:20 | 47.9  | 8.05     | 190        | 7    |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 10/8/2004  | 16:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 9/27/2004  | 12:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 8/23/2004  | 11:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 7/23/2004  | 14:20 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 6/22/2004  | 11:00 | 0.2   | 8.7      | 800        | 13   | 410  | 8.32 | 890  | 12 | 0.09    | 140 | 5   | 560 | 0.02 |      |     |       |       | 39   |       |      | 15.0 |       |        |      |       | 170 |       |     | 0      | 0.21  |        |
| 5/20/2004  | 11:40 | 0.6   | 8.85     | 460        | 13   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 4/14/2004  | 16:00 | 13.25 | 8.7      | 300        | 13   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 10/13/2003 | 13:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 9/17/2003  | 13:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 8/26/2003  | 13:30 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 7/28/2003  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 6/17/2003  | 15:30 | 0.09  | 9.29     | 660        | 15   | 380  | 8.48 | 710  | 6  | 0.09    | 81  | 30  | 450 | 0.01 |      |     |       |       | 48   |       |      | 15.0 |       |        |      |       | 98  |       |     | 0      | 0.83  | 0.02   |
| 5/13/2003  | 13:50 | 0.11  | 8.5      | 250        | 10   |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 4/29/2003  | 12:15 | 8.8   | 8.68     | 260        | 8    |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 9/6/2002   |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 6/25/2002  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |       |       |      |       |      |      |       |        |      |       |     |       |     | 0      |       |        |
| 12/28/2001 | 10:25 |       | 7.7      | 900        | 7    | 510  | 7.89 | 1038 | 6  | 0.03    | 160 | 16  | 580 | 0.01 |      | 0.3 | 0.004 | 0.005 | 57.5 | 0.006 | 0.05 | 17.9 | 0.014 | 0.0002 | 0.05 | 0.002 | 120 | 0.006 | 0   | 0      | 0.22  |        |

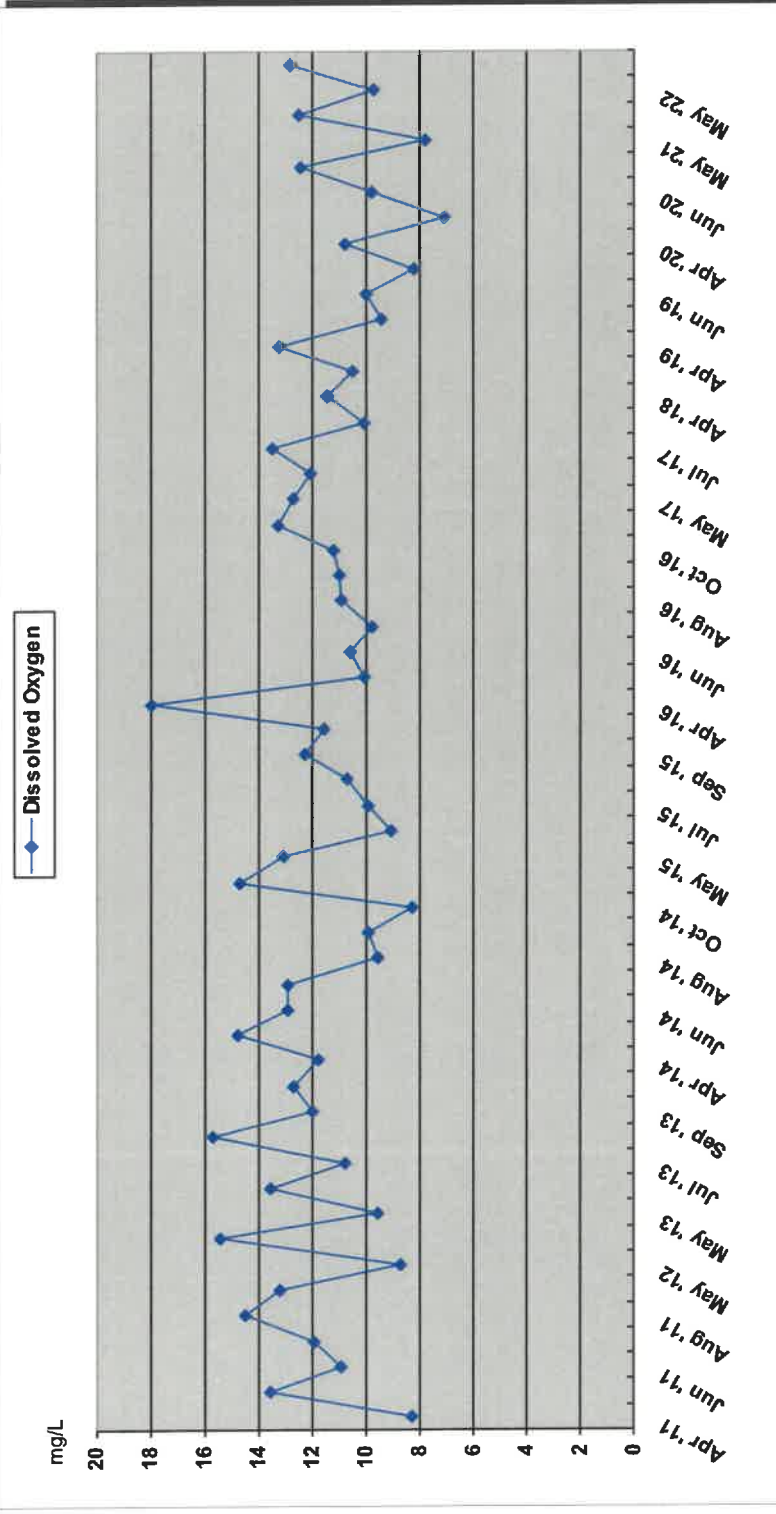
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: E-1

| Date      | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS  | TDS | PO4  | DO | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg   | Mn    | Hg     | Mo   | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |
|-----------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|------|-----|------|----|------|-------|-------|------|-------|------|------|-------|--------|------|-------|------|-------|-----|--------|-------|--------|
| 6/29/2001 | 13:30 |      | 8.1      | 700        |     | 390  | 8.59 | 838  | 7  | 0.02    | 100 | 5    | 590 | 0.01 |    | 0.18 | 0.002 | 0.005 | 31.2 | 0.005 | 0.05 | 11.5 | 0.005 | 0.0002 | 0.05 | 0.002 | 125  | 0.005 | 0   | 0      | 0.05  |        |
| 3/30/2001 | 12:30 |      | 8.3      | 700        |     | 300  | 8.47 | 583  | 6  | 0.12    | 57  | 56   | 370 | 0.02 |    | 1.44 | 0.002 | 0.005 | 45.7 | 0.008 | 0.05 | 11.8 | 0.029 | 0.0002 | 0.05 | 0.002 | 73.5 | 0.316 | 0   | 0      | 1.5   |        |
| 6/29/2000 | 14:15 |      | 8.1      | 500        | 18  | 357  | 8.47 | 800  | 9  | 0.05    | 109 | 5    | 530 | 0.03 |    | 0.08 | 0.002 | 0.005 | 20.2 | 0.005 | 0.05 | 7.0  | 0.005 | 0.0002 | 0.05 | 0.002 | 81.5 | 0.046 | 0   | 0      | 0.05  |        |
| 3/26/2000 | 10:27 |      | 8        | 300        | 8   | 152  | 8.25 | 414  | 4  | 0.07    | 24  | 377  | 257 | 0.04 |    | 15.6 | 0.002 | 0.005 | 35.6 | 0.028 | 0.05 | 7.8  | 0.227 | 0.0002 | 0.05 | 0.002 | 48.8 | 0.054 | 0   | 0      | 13.3  |        |
| 9/24/1999 | 8:15  | 0    |          |            |     |      |      |      |    |         |     |      |     |      |    |      |       |       |      |       |      |      |       |        |      |       |      |       |     |        |       |        |
| 6/28/1999 | 1:30  | 10   | 8.3      | 700        | 18  | 382  | 8.36 | 786  | 8  | 0.14    | 115 | 7    | 447 | 0.01 |    | 0.15 | 0.003 | 0.005 | 17.6 | 0.005 | 0.05 | 6.3  | 0.005 | 0.0002 | 0.05 | 0.002 | 74.5 | 0.005 | 0   | 0      | 0.07  |        |
| 3/30/1999 | 12:30 | 10   | 8        | 300        | 7   | 238  | 8.07 | 409  | 3  | 0.14    | 25  | 1125 | 240 | 0.03 | 0  | 43.9 | 0.002 | 0.005 | 51.5 | 0.029 | 0.05 | 17.2 | 0.74  | 0.0002 | 0.05 | 0.002 | 45   | 0.144 | 0   | 0      | 43.3  |        |
| 3/6/1996  | 9:38  | 68   | 8.7      | 620        | 1   |      |      |      |    |         |     |      |     |      |    |      |       |       |      |       |      |      |       |        |      |       |      |       |     |        | 0     |        |
| 2/22/1996 | 10:45 | 32   | 8.7      | 270        | 2   |      |      |      |    |         |     |      |     |      |    |      |       |       |      |       |      |      |       |        |      |       |      |       |     |        | 0     |        |

# MONITORING CHART FOR 2022 AHR

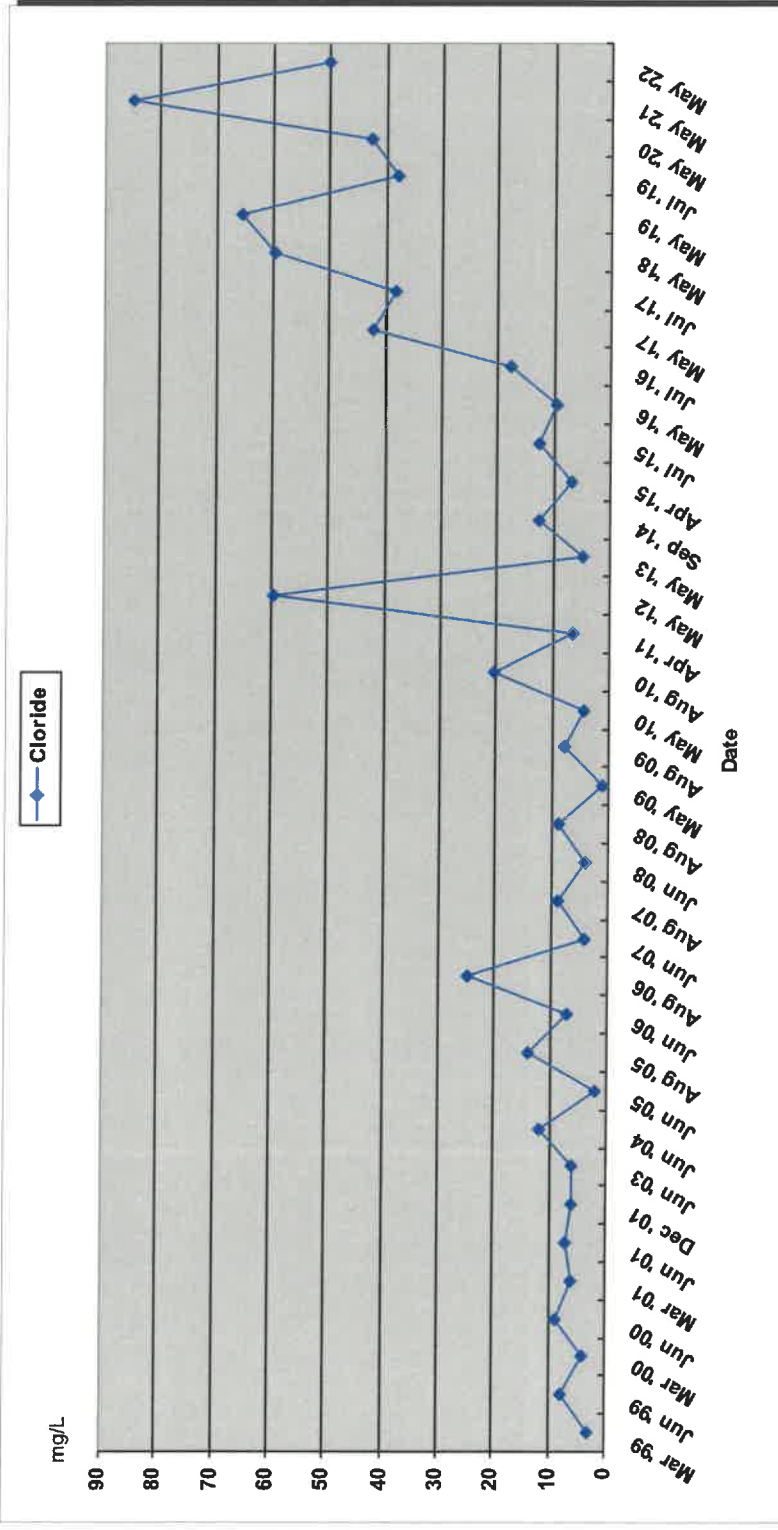
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

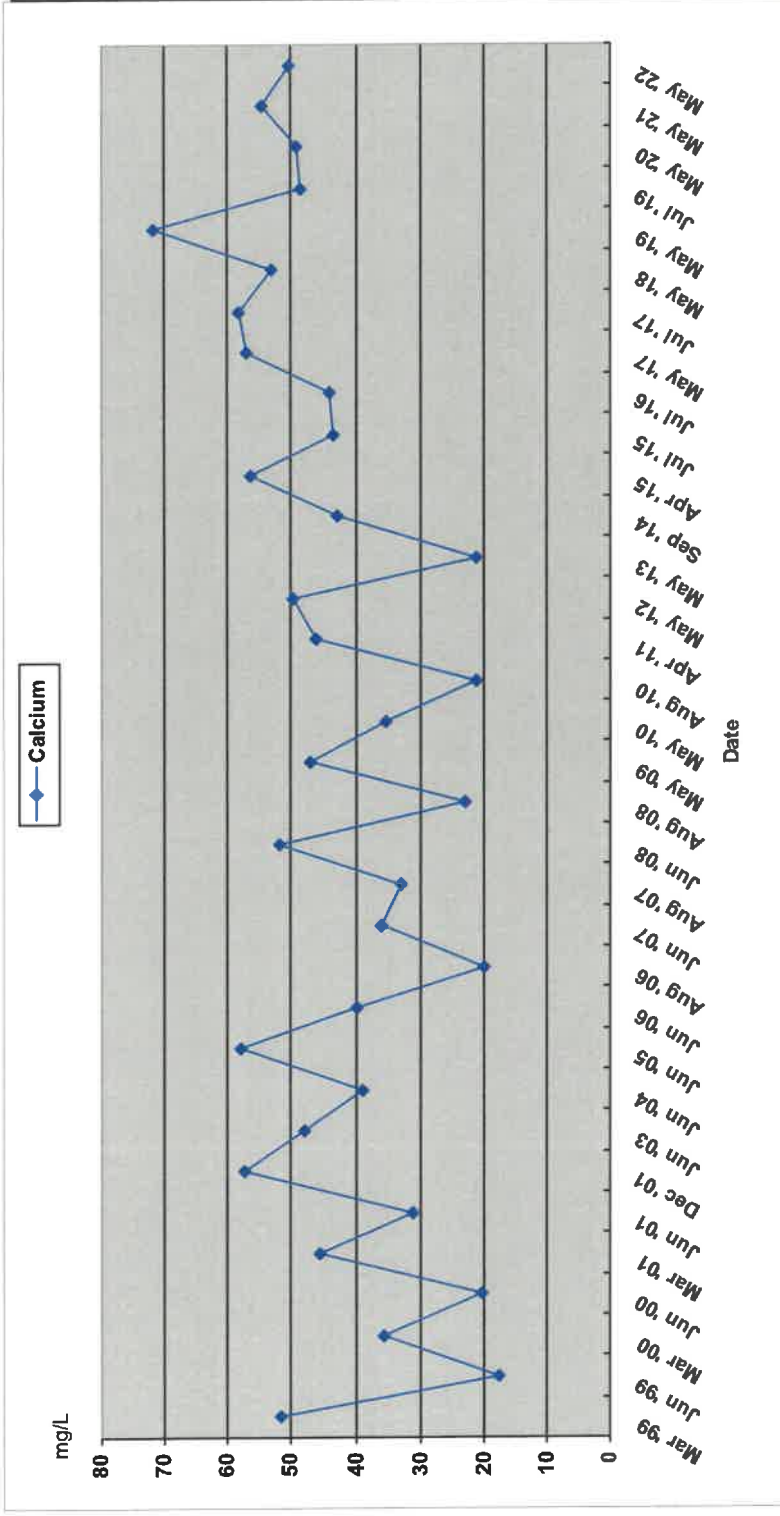
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

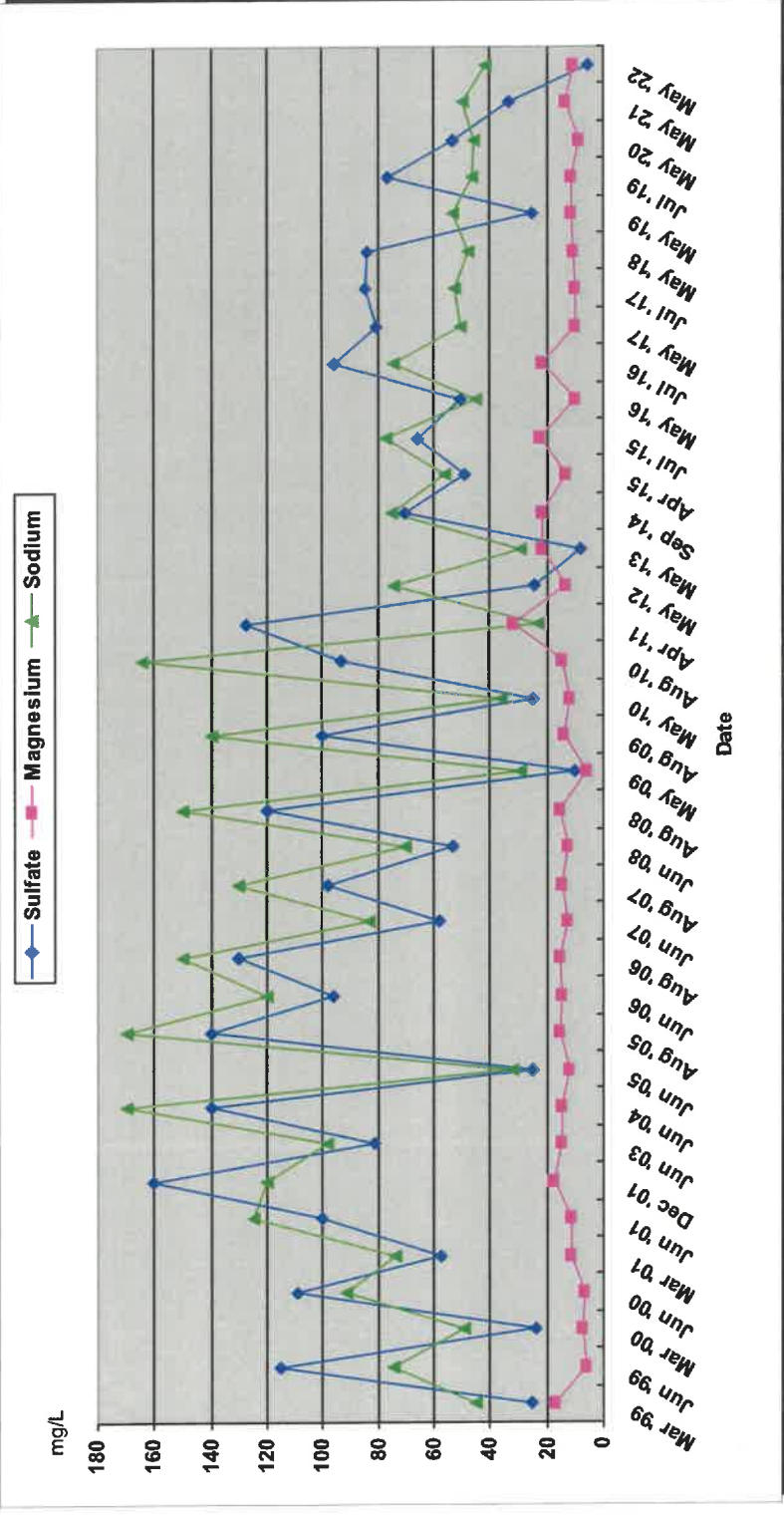
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

# MONITORING CHART FOR 2022 AHR

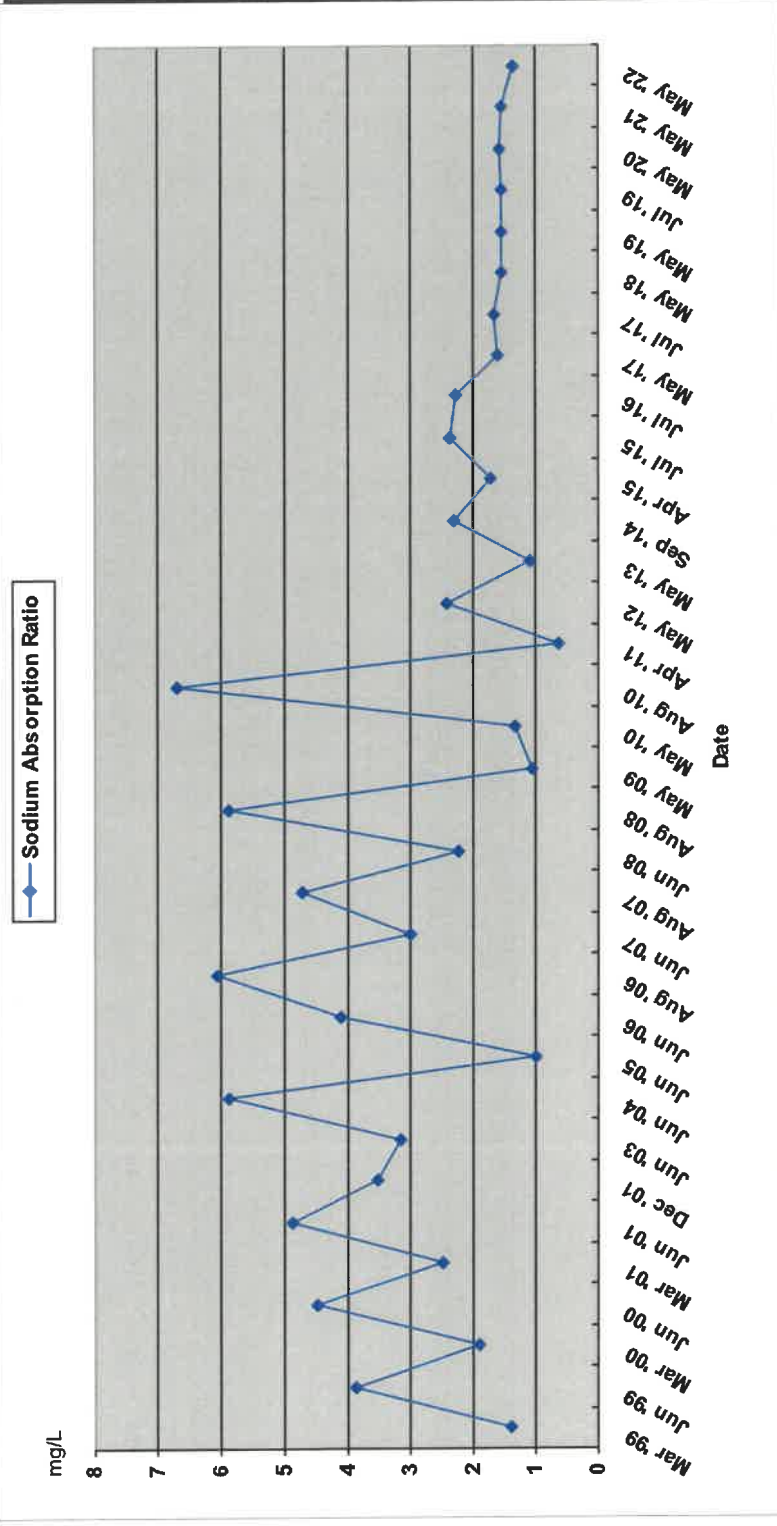
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

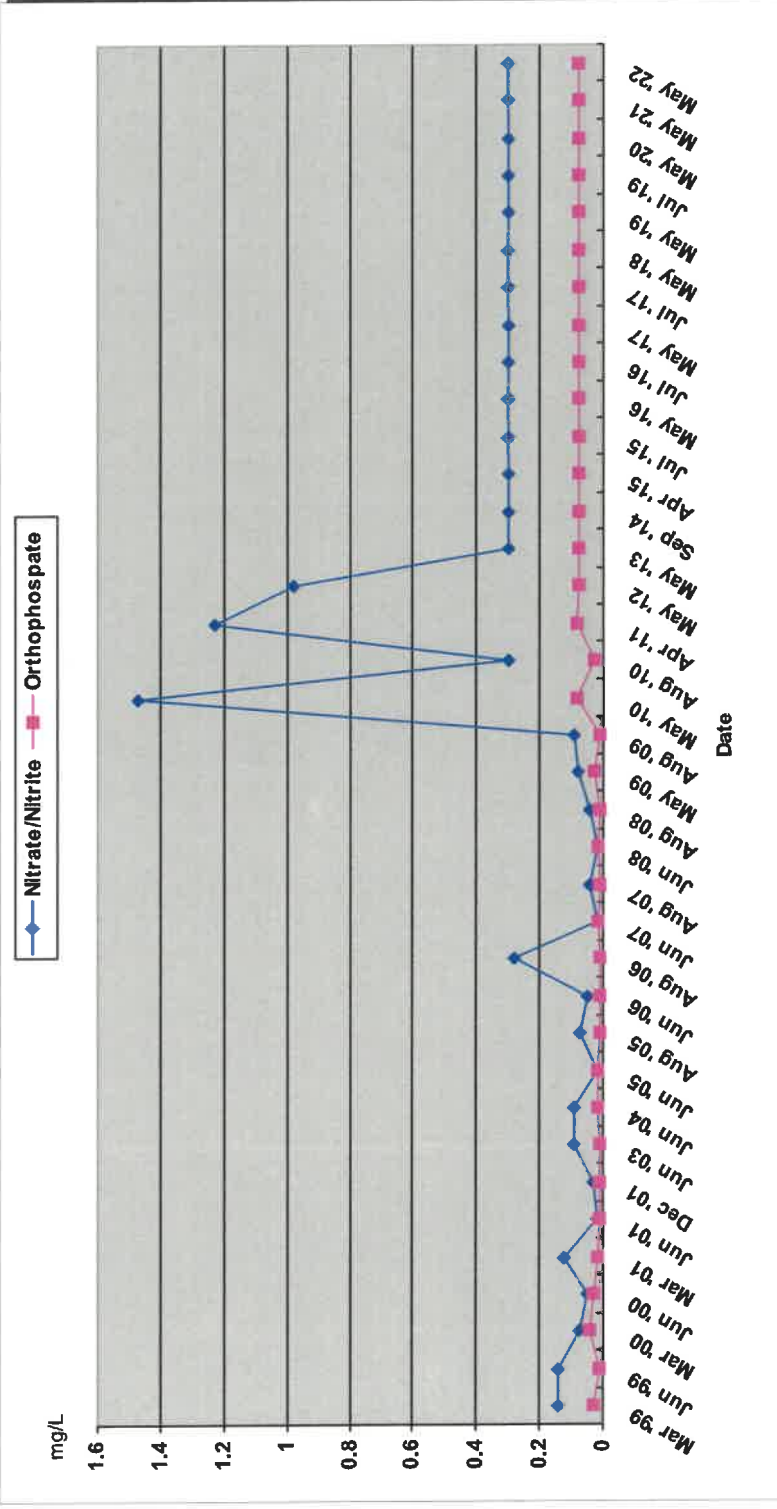
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

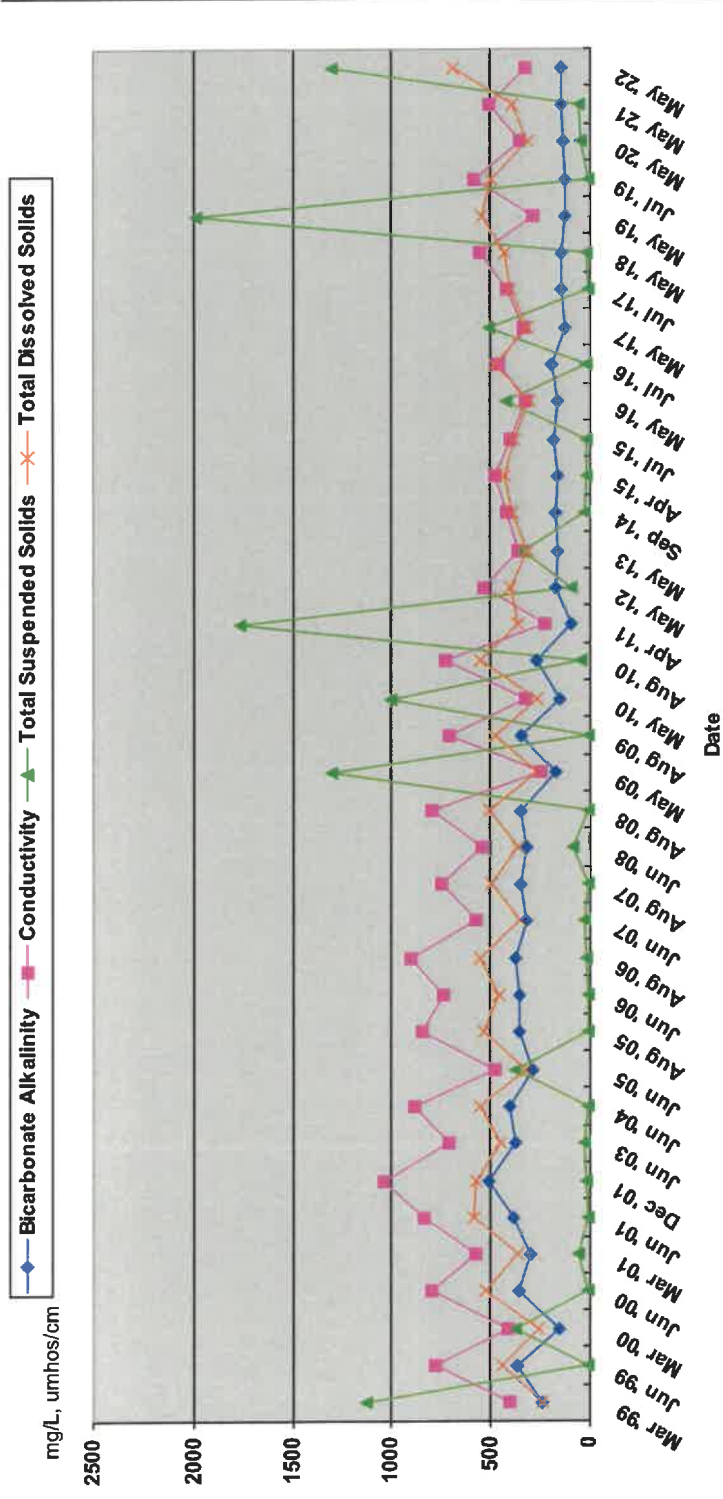
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

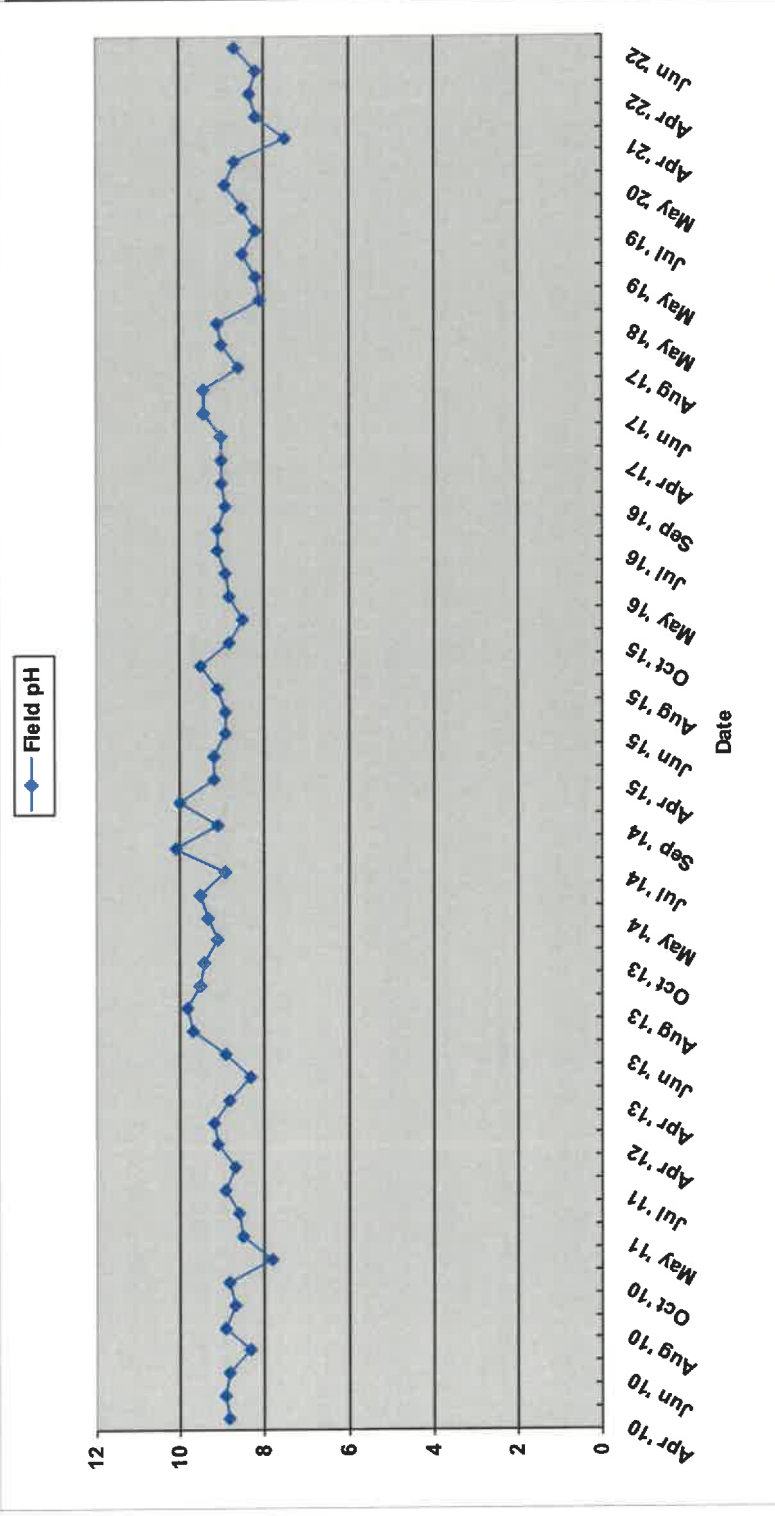
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

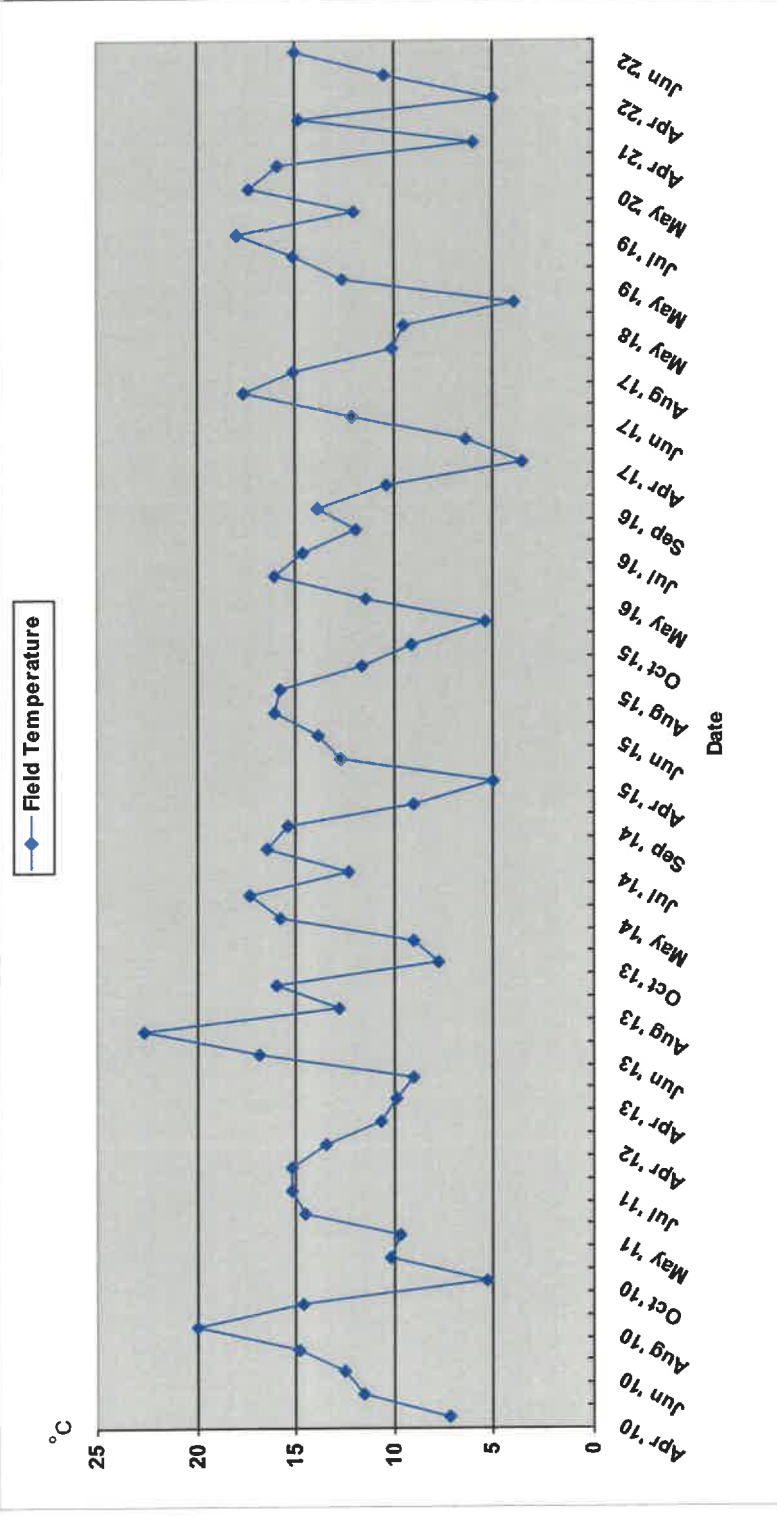
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: E-1



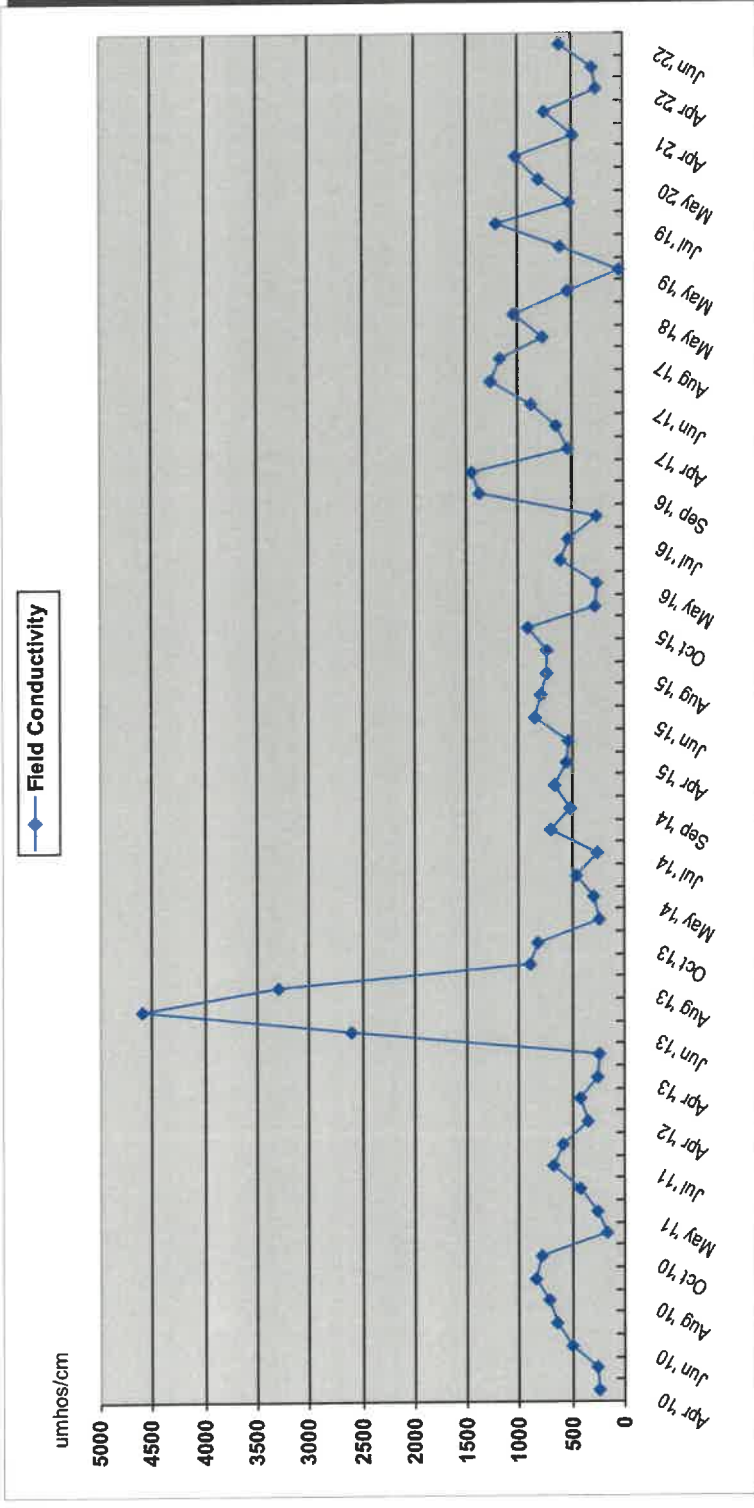
### Field Flow



**Date : 17-Feb-23**

# MONITORING CHART FOR 2022 AHR

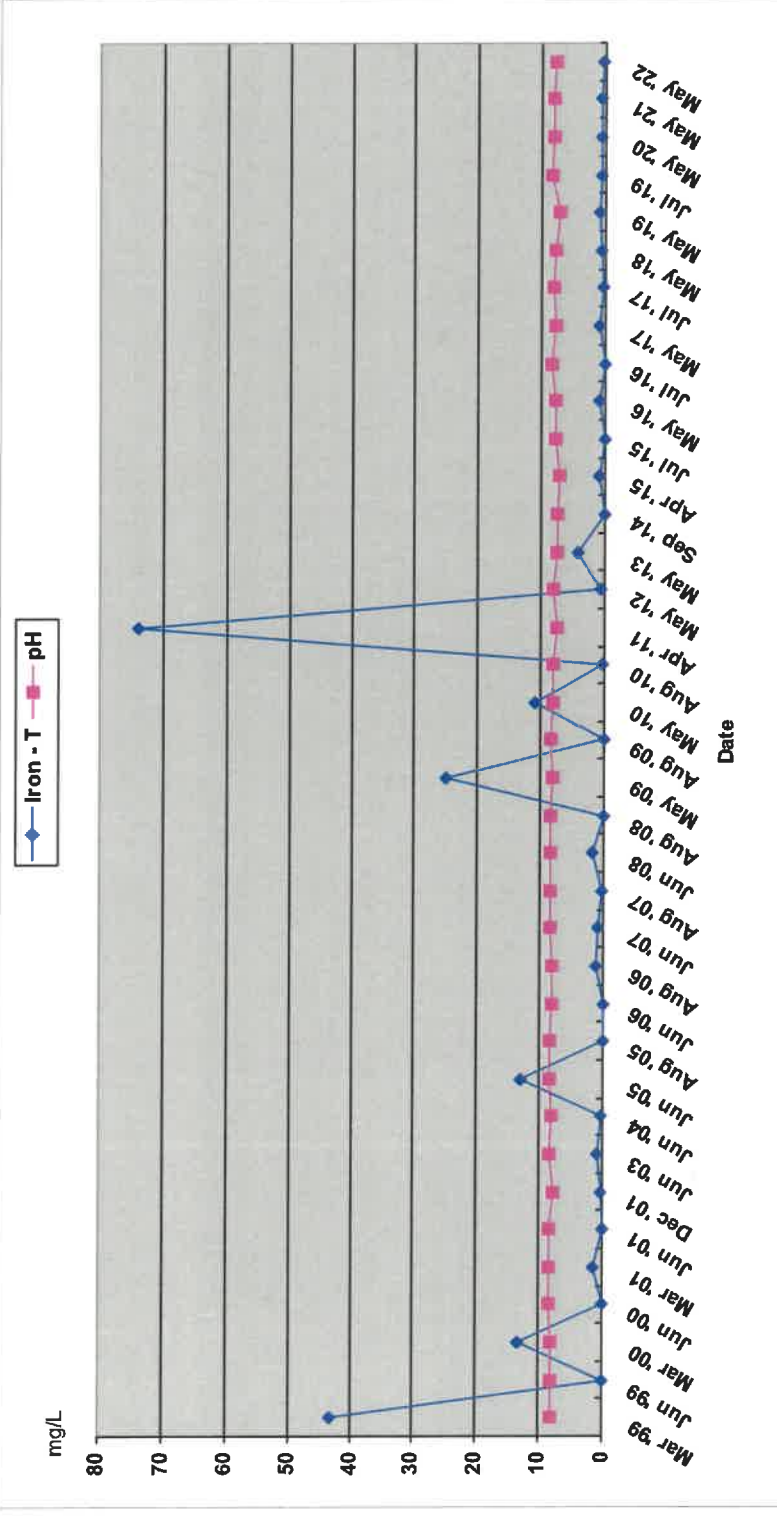
SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: E-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

## E-2 UPPER ELK CREEK

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: E-2

| Date       | Time  | Flow | Field pH | Field Cond | Temp | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS  | TDS | P04  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|-------|------|-----|------|------|----|----|----|------|----|----|------|----|----|----|----|-------|----|-----|--------|-------|--------|--|
| 10/12/2022 | 14:15 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 9/6/2022   | 14:15 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 8/12/2022  | 14:15 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 7/18/2022  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 6/7/2022   | 13:05 | 0.9  | 8.7      | 605        | 14.1 |        |      |      |       |         |       |      |     |      | 11.5 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 5/9/2022   | 15:00 | 12   | 8.3      | 305        | 10.7 | 155    | 7.99 | 330  | 47.49 | 0.3     | 15.64 | 695  | 290 | 0.08 | 9.1  |    |    |    | 43.1 |    |    | 8.9  |    |    |    |    | 48.9  |    |     |        | 0.546 | 0.045  |  |
| 4/28/2022  | 12:30 | 24   | 8.3      | 276        | 5.5  |        |      |      |       |         |       |      |     |      | 12.9 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 10/21/2021 | 14:30 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 9/20/2021  | 14:30 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 8/12/2021  | 14:30 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 7/26/2021  | 15:15 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 6/11/2021  | 12:45 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 5/19/2021  | 12:45 | 0.6  | 8.1      | 710        | 10.4 | 155    | 8.01 | 530  | 79.98 | 0.3     | 36.22 | 48   | 388 | 0.08 | 9.2  |    |    |    | 57.8 |    |    | 13.6 |    |    |    |    | 50.09 |    |     |        | 0.388 | 0.043  |  |
| 4/12/2021  | 13:30 | 0.6  | 7.7      | 470        | 5.5  |        |      |      |       |         |       |      |     |      | 12.6 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 10/6/2020  | 13:55 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 9/15/2020  | 13:15 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 8/12/2020  | 14:55 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 7/13/2020  | 16:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 6/22/2020  | 12:15 | 0.14 | 8.5      | 1050       | 15.2 |        |      |      |       |         |       |      |     |      | 10.2 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 5/18/2020  | 15:05 | 0.69 | 8.8      | 750        | 17.3 | 126    | 8.27 | 367  | 58.01 | 0.3     | 47.87 | 66   | 336 | 0.08 | 7.2  |    |    |    | 44.6 |    |    | 9.2  |    |    |    |    | 51.8  |    |     |        | 0.761 | 0.043  |  |
| 4/29/2020  | 14:37 | 3.1  | 8.5      | 520        | 12   |        |      |      |       |         |       |      |     |      | 10.8 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 10/17/2019 | 10:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 9/18/2019  | 14:45 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 8/20/2019  | 2:15  | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 7/10/2019  | 14:15 | 0.1  | 8.1      | 1220       | 17.7 | 138    | 8.58 | 563  | 39.98 | 0.3     | 92.44 | 14   | 438 | 0.08 | 8.2  |    |    |    | 52.8 |    |    | 11.8 |    |    |    |    | 50.7  |    |     |        | 0.812 | 0.179  |  |
| 6/7/2019   | 13:30 | 7.5  | 8.5      | 630        | 13.2 |        |      |      |       |         |       |      |     |      | 10.3 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 5/13/2019  | 15:15 | 11.7 | 8.2      | 30         | 12.7 | 132    | 7.70 | 292  | 63.28 | 0.3     | 26.75 | 2370 | 710 | 0.08 | 9.4  |    |    |    | 69.8 |    |    | 11.7 |    |    |    |    | 56.2  |    |     |        | 0.977 | 0.231  |  |
| 4/12/2019  | 12:45 | 8    | 8.1      | 550        | 3.2  |        |      |      |       |         |       |      |     |      | 13.5 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 10/17/2018 | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 9/14/2018  | 11:45 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 8/27/2018  | 12:00 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 7/11/2018  | 14:45 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 6/22/2018  | 11:30 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 5/14/2018  | 0:15  | 0.22 | 9        | 1160       | 12.6 | 126.74 | 8.09 | 574  | 65.88 | 0.3     | 69.15 | 28   | 444 | 0.08 | 10.2 |    |    |    | 48.9 |    |    | 11.3 |    |    |    |    | 68.3  |    |     |        | 0.594 | 0.069  |  |
| 4/24/2018  | 11:45 | 2.1  | 9.1      | 810        | 10.1 |        |      |      |       |         |       |      |     |      | 10.9 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |
| 10/19/2017 | 12:20 | 0    |          |            |      |        |      |      |       |         |       |      |     |      |      |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |        |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: E-2

| Date       | Time  | Flow  | Field | pH   | Field | Cond | Tem    | HCO3 | pH   | Cond  | Cl  | NO3/NO2 | SO4 | TSS   | TDS  | PO4  | DO  | Al | As | Cd | Ca   | Cu | Pb | Mg   | Mn | Hg | Mo | Se | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Di |
|------------|-------|-------|-------|------|-------|------|--------|------|------|-------|-----|---------|-----|-------|------|------|-----|----|----|----|------|----|----|------|----|----|----|----|-------|----|-----|--------|-------|-------|
| 9/11/2017  | 8:30  | 0     |       |      |       |      |        |      |      |       |     |         |     |       |      |      |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 8/8/2017   | 13:35 | 0.04  | 8.3   | 1210 |       | 17.3 |        |      |      |       |     |         |     |       |      |      | 9.7 |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 7/19/2017  | 13:45 | 0.05  | 9.1   | 1280 |       | 20.8 | 147.03 | 8.30 | 431  | 67.09 | 0.3 | 72.15   | 28  | 468   | 0.08 | 13.5 |     |    |    |    | 48.7 |    |    | 11.3 |    |    |    |    | 77.2  |    |     | 0      | 0.564 | 0.043 |
| 6/6/2017   | 12:15 | 1.6   | 9.3   | 860  |       | 12.5 |        |      |      |       |     |         |     |       |      | 10.8 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 5/17/2017  | 12:00 | 2.5   | 9     | 670  |       | 6.1  | 123.09 | 8.16 | 329  | 61.5  | 0.3 | 119.36  | 339 | 291   | 0.08 | 12.8 |     |    |    |    | 47.4 |    |    | 10.9 |    |    |    |    | 74.1  |    |     | 0      | 0.962 | 0.056 |
| 4/28/2017  | 12:00 | 7     | 9     | 550  |       | 4.1  |        |      |      |       |     |         |     |       |      | 13.3 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 10/28/2016 | 12:00 | 0.02  | 8.7   | 1460 |       | 9.2  |        |      |      |       |     |         |     |       |      | 11.7 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 9/22/2016  | 11:15 | 0.02  | 8.9   | 1360 |       | 12   |        |      |      |       |     |         |     |       |      | 11   |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 8/25/2016  | 12:32 | 0.05  | 9     | 80   |       | 12.3 |        |      |      |       |     |         |     |       |      | 10.7 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 7/25/2016  | 12:20 | 0.7   | 8.9   | 560  |       | 18.9 | 234.7  | 8.38 | 477  | 17.73 | 0.3 | 79.03   | 12  | 0.018 | 0.08 | 9.9  |     |    |    |    | 51.3 |    |    | 22.4 |    |    |    |    | 116.9 |    |     | 0      | 0.034 | 0.018 |
| 6/9/2016   | 13:45 | 1.4   | 8.8   | 600  |       | 16.7 |        |      |      |       |     |         |     |       |      | 10.2 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 5/23/2016  | 14:00 | 7.5   | 8.8   | 400  |       | 11.4 | 186.69 | 7.86 | 161  | 10.08 | 0.3 | 44.04   | 407 | 318   | 0.08 | 10   |     |    |    |    | 41   |    |    | 9.6  |    |    |    |    | 52.2  |    |     | 0      | 0.94  | 0.02  |
| 4/26/2016  | 9:00  | 18.7  | 8.8   | 310  |       | 3.9  |        |      |      |       |     |         |     |       |      | 12.8 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 10/21/2015 | 9:20  | 0.1   | 8.7   | 890  |       | 9.2  |        |      |      |       |     |         |     |       |      | 11.7 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 9/22/2015  | 23:15 | 0.1   | 9.4   | 740  |       | 11   |        |      |      |       |     |         |     |       |      | 12.4 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 8/4/2015   | 13:45 | 0.15  | 9.1   | 800  |       | 15.9 |        |      |      |       |     |         |     |       |      | 11   |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 7/21/2015  | 14:00 | 0.15  | 8.7   | 830  |       | 17.6 | 165.74 | 8.12 | 429  | 48.83 | 0.3 | 82.08   | 16  | 403   | 0.08 | 10.1 |     |    |    |    | 49.7 |    |    | 22.4 |    |    |    |    | 122.8 |    |     | 0      | 0.032 | 0.019 |
| 6/17/2015  | 14:00 | 0.1   | 9     | 860  |       | 13.8 |        |      |      |       |     |         |     |       |      | 9.1  |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 5/14/2015  | 15:00 | 1.1   | 9     | 550  |       | 12.5 |        |      |      |       |     |         |     |       |      | 12.5 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 4/14/2015  | 11:45 | 0.1   | 8.9   | 590  |       | 8.6  | 177.81 | 7.52 | 6.26 | 10.08 | 0.3 | 44.04   | 28  | 567   | 0.08 | 12.6 |     |    |    |    | 49   |    |    | 12.6 |    |    |    |    | 82.2  |    |     | 0      | 0.94  | 0.02  |
| 10/31/2014 | 11:55 | 0.1   | 9.8   | 650  |       | 8.1  |        |      |      |       |     |         |     |       |      | 9.8  |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 9/10/2014  | 23:30 | 0.1   | 9     | 500  |       | 15.4 | 168.86 | 7.88 | 433  | 58.77 | 0.3 | 88.08   | 18  | 388   | 0.08 | 10   |     |    |    |    | 51.4 |    |    | 23.0 |    |    |    |    | 125   |    |     | 0      | 0.04  | 0.02  |
| 8/25/2014  | 14:45 | 0.1   | 9.9   | 600  |       | 16.7 |        |      |      |       |     |         |     |       |      | 9.6  |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 7/8/2014   | 11:15 | 0.3   | 8.8   | 280  |       | 12.5 |        |      |      |       |     |         |     |       |      | 13.2 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 6/11/2014  | 3:20  | 0.56  | 9.6   | 470  |       | 17.4 |        |      |      |       |     |         |     |       |      | 13   |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 5/19/2014  | 15:00 | 4.65  | 9.2   | 290  |       | 15.7 |        |      |      |       |     |         |     |       |      | 14.7 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 4/8/2014   | 13:00 | 7.8   | 9.1   | 250  |       | 8.9  | 166.36 | 7.07 | 381  | 4.84  | 0.3 | 6.46    | 230 | 329   | 0.08 | 9.7  |     |    |    |    | 48   |    |    | 22.8 |    |    |    |    | 27.49 |    |     | 0      | 4.27  | 0.04  |
| 10/18/2013 | 14:55 | 0.045 | 9.5   | 830  |       | 7.9  |        |      |      |       |     |         |     |       |      | 12.6 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 9/9/2013   | 14:00 | 0.08  | 9.4   | 900  |       | 17   |        |      |      |       |     |         |     |       |      | 14   |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 8/16/2013  | 13:10 | 0.5   | 9.9   | 3200 |       | 12.7 |        |      |      |       |     |         |     |       |      | 15.5 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 7/18/2013  | 14:45 | 0.5   | 9.7   | 4600 |       | 21   |        |      |      |       |     |         |     |       |      | 11   |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 6/5/2013   | 14:45 | 0.37  | 8.9   | 2500 |       | 17   |        |      |      |       |     |         |     |       |      | 14.1 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 5/6/2013   | 13:30 | 0.75  | 8.6   | 250  |       | 10.1 | 171.88 | 7.93 | 706  | 6.23  | 0.3 | 7.82    | 278 | 566   | 0.08 | 9.3  |     |    |    |    | 27.4 |    |    | 15.6 |    |    |    |    | 46    |    |     | 11     | 0.1   |       |
| 4/22/2013  | 14:50 | 0.5   | 8.7   | 250  |       | 10.5 |        |      |      |       |     |         |     |       |      | 14.9 |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 10/10/2012 | 12:00 | 0     |       |      |       |      |        |      |      |       |     |         |     |       |      |      |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |
| 9/6/2012   | 12:00 | 0     |       |      |       |      |        |      |      |       |     |         |     |       |      |      |     |    |    |    |      |    |    |      |    |    |    |    |       |    |     |        |       |       |

# MONITORING DATA FOR 2022 AHR

## SURFACE WATER LOCATION: E-2

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3   | pH   | Cond | Cl    | NO3/NO2 | SO4    | TSS  | TDS | PO4   | DO   | Al | As | Cd | Cu    | Pb | Mg   | Mn | Hg | Mo | Sr | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Di |      |
|------------|-------|------|----------|------------|------|--------|------|------|-------|---------|--------|------|-----|-------|------|----|----|----|-------|----|------|----|----|----|----|-------|----|-----|--------|-------|-------|------|
| 8/2/2012   | 12:00 | 0    |          |            |      |        |      |      |       |         |        |      |     |       |      |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 7/30/2012  | 14:00 | 0    |          |            |      |        |      |      |       |         |        |      |     |       |      |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 6/13/2012  | 12:00 | 0    |          |            |      |        |      |      |       |         |        |      |     |       |      |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 5/9/2012   | 14:30 | 0.06 | 9.1      | 500        | 13.1 | 189.96 | 8.11 | 523  | 39.7  | 1.13    | 20.08  | 11   | 382 | 0.08  | 8.6  |    |    |    | 57    |    | 12.6 |    |    |    |    | 70.6  |    |     |        |       | 0.77  | 0.01 |
| 10/18/2011 | 12:00 | 2    | 8.6      | 680        | 8.5  |        |      |      |       |         |        |      |     |       | 12.4 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 9/6/2011   | 12:00 | 2    | 9        | 700        | 16.1 |        |      |      |       |         |        |      |     |       | 11.8 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 8/15/2011  | 13:30 | 0.3  | 8.7      | 610        | 17.5 |        |      |      |       |         |        |      |     |       | 15   |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 7/26/2011  | 12:00 | 0.3  | 8.6      | 710        | 15.3 |        |      |      |       |         |        |      |     |       | 12.3 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 6/14/2011  | 14:30 | 1.12 | 8.5      | 420        | 14.3 |        |      |      |       |         |        |      |     |       | 11.3 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 5/28/2011  | 15:30 | 11.9 | 8.6      | 260        | 9.7  |        |      |      |       |         |        |      |     |       | 13.9 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 4/19/2011  | 13:20 | 14.2 | 8.6      | 160        | 7    | 123.6  | 7.73 | 235  | 11.2  | 1.44    | 117.99 | 1836 | 160 | 0.082 | 8.5  |    |    |    | 33.6  |    | 20.2 |    |    |    |    | 23.18 |    |     |        | 29.52 | 0.08  |      |
| 10/27/2010 | 14:20 | 0.01 | 8.8      | 780        | 5.1  |        |      |      |       |         |        |      |     |       | 16.9 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 9/27/2010  | 15:20 | 0.01 | 8.8      | 830        | 15.3 |        |      |      |       |         |        |      |     |       | 11.1 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 8/5/2010   | 12:40 | 0.1  | 8.9      | 740        | 20   | 288.6  | 8.13 | 749  | 37.44 | 0.3     | 85.2   | 58   | 618 | 0.02  | 11.5 |    |    |    | 26.52 |    | 14.2 |    |    |    |    | 155.5 |    |     |        | 0.06  | 0.03  |      |
| 7/15/2010  | 13:40 | 0.1  | 8.4      | 630        | 15   |        |      |      |       |         |        |      |     |       | 12.9 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 6/4/2010   | 14:30 | 0.6  | 8.9      | 510        | 13.5 |        |      |      |       |         |        |      |     |       | 11.5 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 5/18/2010  | 13:30 | 7.14 | 8.9      | 250        | 13.3 | 155.99 | 8.17 | 330  | 10.9  | 1.6     | 19.76  | 1120 | 276 | 0.084 | 8.4  |    |    |    | 37.1  |    | 14.6 |    |    |    |    | 33.1  |    |     |        | 15.39 | 0.06  |      |
| 4/22/2010  | 14:30 | 5.9  | 8.8      | 220        | 6.7  |        |      |      |       |         |        |      |     |       | 11.7 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 10/12/2009 | 1:00  | 0    |          |            |      |        |      |      |       |         |        |      |     |       |      |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 9/25/2009  | 2:30  | 0.1  | 8        | 800        | 15.8 |        |      |      |       |         |        |      |     |       | 10.1 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 8/5/2009   | 2:00  | 0.1  | 8.4      | 650        | 15   | 420    | 8.30 | 740  | 5     | 0.02    | 98     | 5    | 510 | 0.01  | 16.7 |    |    |    | 44    |    | 15.0 |    |    |    |    | 130   |    |     |        | 0.04  | 0.04  |      |
| 7/17/2009  | 3:00  | 0.1  | 7.7      | 680        | 23.8 |        |      |      |       |         |        |      |     |       | 14.2 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 6/22/2009  | 11:40 | 4.05 | 7.9      | 540        | 14   |        |      |      |       |         |        |      |     |       | 12.5 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 5/6/2009   | 11:15 | 11   | 8        | 210        | 8.5  | 170    | 8.23 | 240  | 1     | 0.09    | 9      | 1300 | 170 | 0.02  | 12.2 |    |    |    | 49    |    | 12.0 |    |    |    |    | 29    |    |     |        | 27    | 0.02  |      |
| 4/29/2009  | 9:45  | 11   | 8.7      | 220        | 3.4  |        |      |      |       |         |        |      |     |       | 14.8 |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 10/15/2008 | 14:00 | 0    |          |            |      |        |      |      |       |         |        |      |     |       |      |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 9/11/2008  | 14:45 | 0.1  | 8        | 770        | 14.9 |        |      |      |       |         |        |      |     |       | 8.3  |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 8/5/2008   | 14:20 | 0.1  | 8.4      | 710        | 23.8 | 400    | 8.40 | 830  | 6     | 0.02    | 110    | 5    | 540 | 0.01  | 8.5  |    |    |    | 38    |    | 14.0 |    |    |    |    | 140   |    |     |        | 0.02  | 0.01  |      |
| 7/29/2008  | 15:30 | 0.1  | 9.8      | 740        | 21   |        |      |      |       |         |        |      |     |       | 9    |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 6/18/2008  | 14:50 | 1.84 | 8.8      | 550        | 18   | 330    | 8.48 | 560  | 3     | 0.02    | 50     | 69   | 390 | 0.01  | 15.6 |    |    |    | 56    |    | 13.0 |    |    |    |    | 87    |    |     |        | 2.2   | 0.01  |      |
| 5/29/2008  | 14:00 | 7.7  | 8.5      | 310        | 14.3 |        |      |      |       |         |        |      |     |       | 5.8  |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 4/21/2008  | 13:45 | 22.7 | 8.6      | 200        | 8.9  |        |      |      |       |         |        |      |     |       | 13   |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 10/24/2007 | 15:20 | 0.4  | 9.2      | 500        | 9.2  |        |      |      |       |         |        |      |     |       | 8.9  |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 9/11/2007  | 15:20 | 0    | 9.21     | 730        | 16.7 |        |      |      |       |         |        |      |     |       | 3    |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |
| 8/7/2007   | 14:30 | 0.4  | 8.97     | 700        | 20.1 | 370    | 8.31 | 770  | 5     | 0.02    | 97     | 5    | 510 | 0.03  | 9.6  |    |    |    | 38    |    | 13.0 |    |    |    |    | 130   |    |     |        | 0.01  | 0.01  |      |
| 7/17/2007  | 15:30 | 2    | 8.59     | 730        | 24.5 |        |      |      |       |         |        |      |     |       | 6    |    |    |    |       |    |      |    |    |    |    |       |    |     |        |       |       |      |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: E-2

| Date       | Time  | Flow  | Field pH | Field Cond | Temp | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al  | As   | Cd    | Ca    | Cu   | Pb    | Mg   | Mn   | Hg    | Mo     | Se   | Na    | Zn   | Oil   | Grease | Fe-Tr | Fe-Dis |
|------------|-------|-------|----------|------------|------|------|------|------|----|---------|-----|-----|-----|------|------|-----|------|-------|-------|------|-------|------|------|-------|--------|------|-------|------|-------|--------|-------|--------|
| 6/15/2007  | 2:55  | 0.4   | 8.66     | 570        | 22.9 | 320  | 8.44 | 610  | 4  | 0.02    | 57  | 24  | 370 | 0.04 | 7    | 9.1 |      |       | 40    |      |       | 13.0 |      |       |        |      | 81    |      | 0     | 0      | 0.88  | 0.01   |
| 5/15/2007  | 15:00 | 1.28  | 8.6      | 500        | 7.9  |      |      |      |    |         |     |     |     |      | 8.8  |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 4/30/2007  | 15:00 | 8.6   | 8.32     | 360        | 14.5 |      |      |      |    |         |     |     |     |      | 5.2  |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 10/17/2006 | 13:30 | 2.9   | 8.5      | 540        | 7.4  |      |      |      |    |         |     |     |     |      | 11   |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 9/27/2006  | 13:45 | 0     | 9.04     | 710        | 11   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 8/10/2006  | 10:30 | 2.84  | 9.02     | 760        | 15   | 410  | 8.14 | 880  | 7  | 0.02    | 110 | 14  | 550 | 0.01 | 7    | 6.8 |      |       | 27    |      |       | 14.0 |      |       |        |      | 140   |      | 0     | 0      | 0.3   | 0.01   |
| 7/21/2006  | 15:30 | 0     | 9.35     | 690        | 17.1 |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 6/13/2006  | 12:40 | 2.84  | 8.83     | 740        | 18.7 | 380  | 8.11 | 750  | 5  | 0.02    | 93  | 5   | 480 | 0.01 | 7.9  | 11  |      |       | 42    |      |       | 13.0 |      |       |        |      | 110   |      | 0     | 0      | 0.11  | 0.01   |
| 5/28/2006  | 23:40 | 0.99  | 8.92     | 470        | 11.3 |      |      |      |    |         |     |     |     |      | 13.1 |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 4/17/2006  | 15:30 | 39.4  | 8.17     | 180        | 10.4 |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 10/17/2005 | 2:50  | 0.1   | 8.61     | 810        | 16.7 |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 9/22/2005  | 15:45 | 0.1   | 8.75     | 680        | 19.6 |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 8/30/2005  | 2:30  | 0     | 9.02     | 790        | 17   | 400  | 8.36 | 840  | 7  | 0.02    | 130 | 5   | 530 | 0.01 |      |     |      |       | 37    |      |       | 14.0 |      |       |        |      | 170   |      | 0     | 0      | 0.15  | 0.01   |
| 8/5/2005   | 13:10 | 0     | 8.92     | 820        | 22   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 7/25/2005  | 16:50 | 0.1   | 8.85     | 780        | 21   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 6/15/2005  | 14:15 | 1.63  | 9.14     | 440        | 17   | 290  | 8.51 | 480  | 2  | 0.02    | 24  | 390 | 330 | 0.02 |      |     |      |       |       |      |       | 13.0 |      |       |        |      | 33    |      | 0     | 0      | 14    | 0.01   |
| 5/6/2005   | 15:30 | 38.76 | 8.5      | 210        | 14   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 4/18/2005  | 12:40 | 47.9  | 8.05     | 190        | 7    |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 10/8/2004  | 16:15 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 9/27/2004  | 12:45 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 8/23/2004  | 11:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 7/23/2004  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 6/22/2004  | 10:40 | 0.2   | 8.43     | 760        | 11   | 430  | 8.30 | 890  | 7  | 0.02    | 120 | 11  | 540 | 0.01 |      |     |      |       | 45    |      |       | 14.0 |      |       |        |      | 160   |      | 0     | 0      | 0.32  |        |
| 5/20/2004  | 11:30 | 0.6   | 8.79     | 450        | 12   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 4/14/2004  | 15:45 | 13.25 | 8.66     | 300        | 13   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 10/13/2003 | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 9/17/2003  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 8/26/2003  | 23:50 | 0.002 | 8.52     | 890        | 18   |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 7/28/2003  | 14:00 | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 6/17/2003  | 14:45 | 0.09  | 8.82     | 680        | 20   | 360  | 8.48 | 710  | 5  | 0.08    | 78  | 18  | 450 | 0.01 |      |     |      |       | 45    |      |       | 14.0 |      |       |        |      | 96    |      | 0     | 0      | 1.7   | 0.01   |
| 5/13/2003  | 14:45 | 0.11  | 8.8      | 240        | 9    |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 4/21/2003  | 11:30 | 8.8   | 8.91     | 260        | 7    |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 9/6/2002   |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 6/25/2002  |       | 0     |          |            |      |      |      |      |    |         |     |     |     |      |      |     |      |       |       |      |       |      |      |       |        |      |       |      | 0     | 0      |       |        |
| 6/28/2001  | 13:40 |       | 8.4      | 700        |      | 400  | 8.80 | 976  | 18 | 0.46    | 150 | 5   | 670 | 0.01 |      |     | 0.2  | 0.002 | 0.005 | 42.2 | 0.005 | 0.05 | 15.8 | 0.013 | 0.0002 | 0.05 | 0.002 | 142  | 0     | 0      | 0.54  |        |
| 3/30/2001  | 13:00 |       | 8.5      | 600        |      | 300  | 8.48 | 581  | 7  | 0.12    | 58  | 57  | 370 | 0.01 |      |     | 1.07 | 0.002 | 0.005 | 45.4 | 0.012 | 0.05 | 11.7 | 0.028 | 0.0002 | 0.05 | 0.002 | 72.4 | 0.315 | 0      | 1.1   |        |

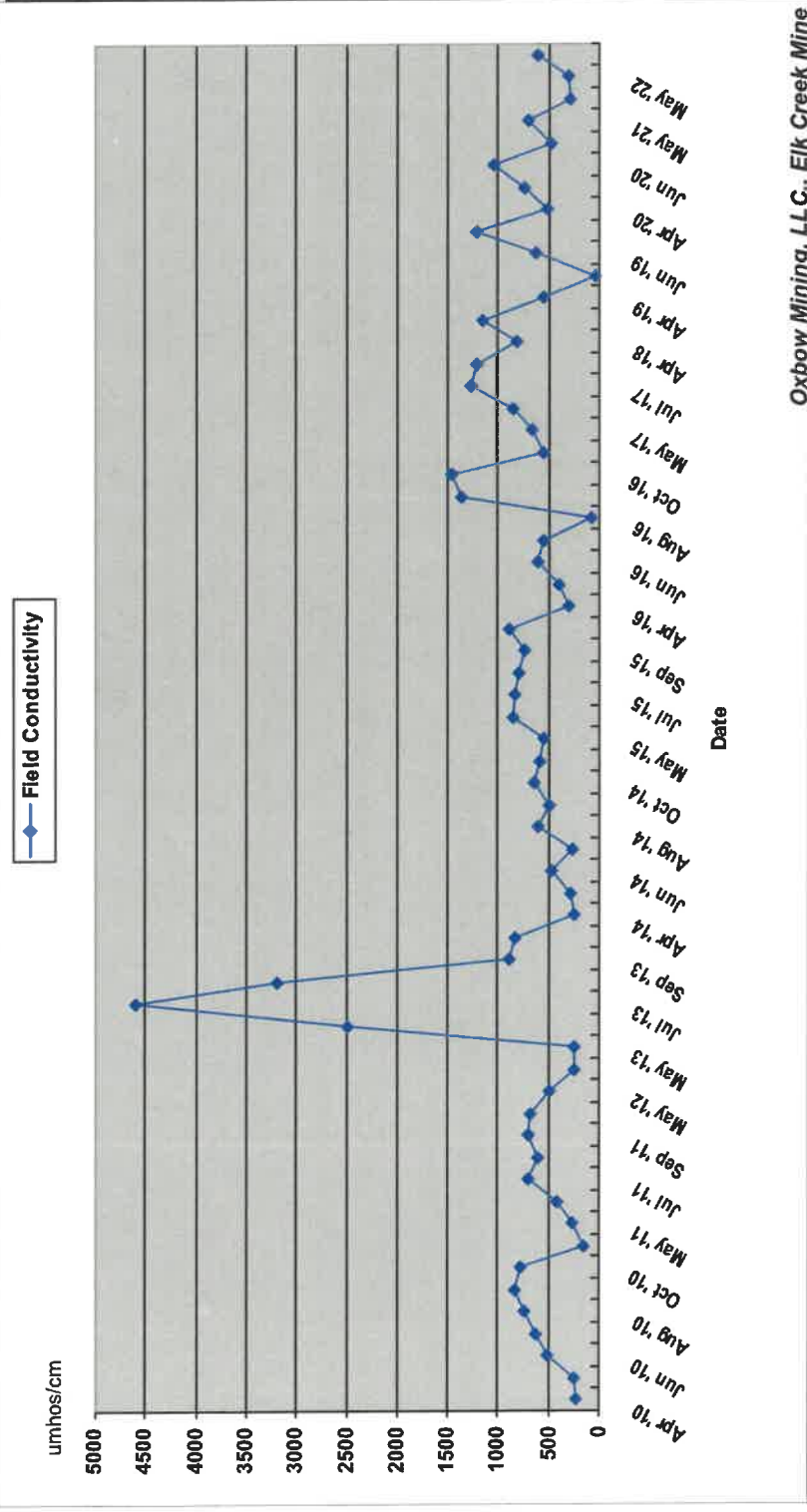
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: E-2

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS  | TDS | PO4  | DO | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg   | Mn     | Hg     | Mo     | Se    | Na    | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|------|-----|------|----|------|-------|-------|------|-------|------|------|--------|--------|--------|-------|-------|-------|-----|--------|-------|--------|
| 3/28/2001  | 10:27 |      | 8        | 300        | 7   | 171  | 8.26 | 416  | 4  | 0.08    | 21  | 316  | 286 | 0.04 |    | 15.9 | 0.002 | 0.005 | 35.2 | 0.043 | 0.05 | 8.0  | 0.238  | 0.0002 | 0.05   | 0.002 | 49.6  | 0.06  | 0   | 0      | 14    |        |
| 12/29/2000 | 9:48  |      | 7.8      | 200        | 5   | 120  | 7.93 | 228  | 9  | 0.14    | 18  | 140  | 150 | 0.01 |    | 0.52 | 0.004 | 0.005 | 23.3 | 0.005 | 0.05 | 4.6  | 0.016  | 0.0002 | 0.05   | 0.002 | 13.4  | 0.024 | 0   | 0      | 0.71  |        |
| 6/29/2000  |       |      | 8.3      | 700        | 18  | 366  | 8.49 | 840  | 9  | 0.34    | 93  | 5    | 540 | 0.01 |    | 0.09 | 0.002 | 0.005 | 28.8 | 0.005 | 0.05 | 9.4  | 0.005  | 0.0002 | 0.05   | 0.002 | 123   | 0.026 | 0   | 0      | 0.08  |        |
| 9/24/1999  | 8:16  | 0    |          |            |     |      |      |      |    |         |     |      |     |      |    |      |       |       |      |       |      |      |        |        |        |       |       |       |     |        |       |        |
| 6/28/1999  | 13:40 | 0    | 8        | 700        | 18  | 347  | 9.00 | 808  | 9  | 0.03    | 128 | 5    | 511 | 0.01 |    | 0.13 | 0.008 | 0.005 | 12.1 | 0.005 | 0.05 | 6.0  | 0.0002 | 0.05   | 0.0002 | 74.4  | 0.005 | 0.005 | 0   | 0      | 0.009 |        |
| 3/30/1999  | 12:45 | 10   | 8        | 300        | 7   | 230  | 8.09 | 404  | 3  | 0.11    | 25  | 1128 | 227 | 0.03 | 0  | 38.7 | 0.002 | 0.005 | 49.4 | 0.028 | 0.05 | 15.7 | 0.678  | 0.002  | 0.05   | 0.002 | 45.8  | 0.153 | 0   | 0      | 39    |        |
| 3/6/1996   | 10:13 | 75   | 8.6      | 800        | 1   |      |      |      |    |         |     |      |     |      |    |      |       |       |      |       |      |      |        |        |        |       |       |       |     | 0      | 0     |        |
| 2/22/1996  | 11:10 | 34   | 8.6      | 270        | 2   |      |      |      |    |         |     |      |     |      |    |      |       |       |      |       |      |      |        |        |        |       |       |       | 0   | 0      | 0     |        |

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: E-2

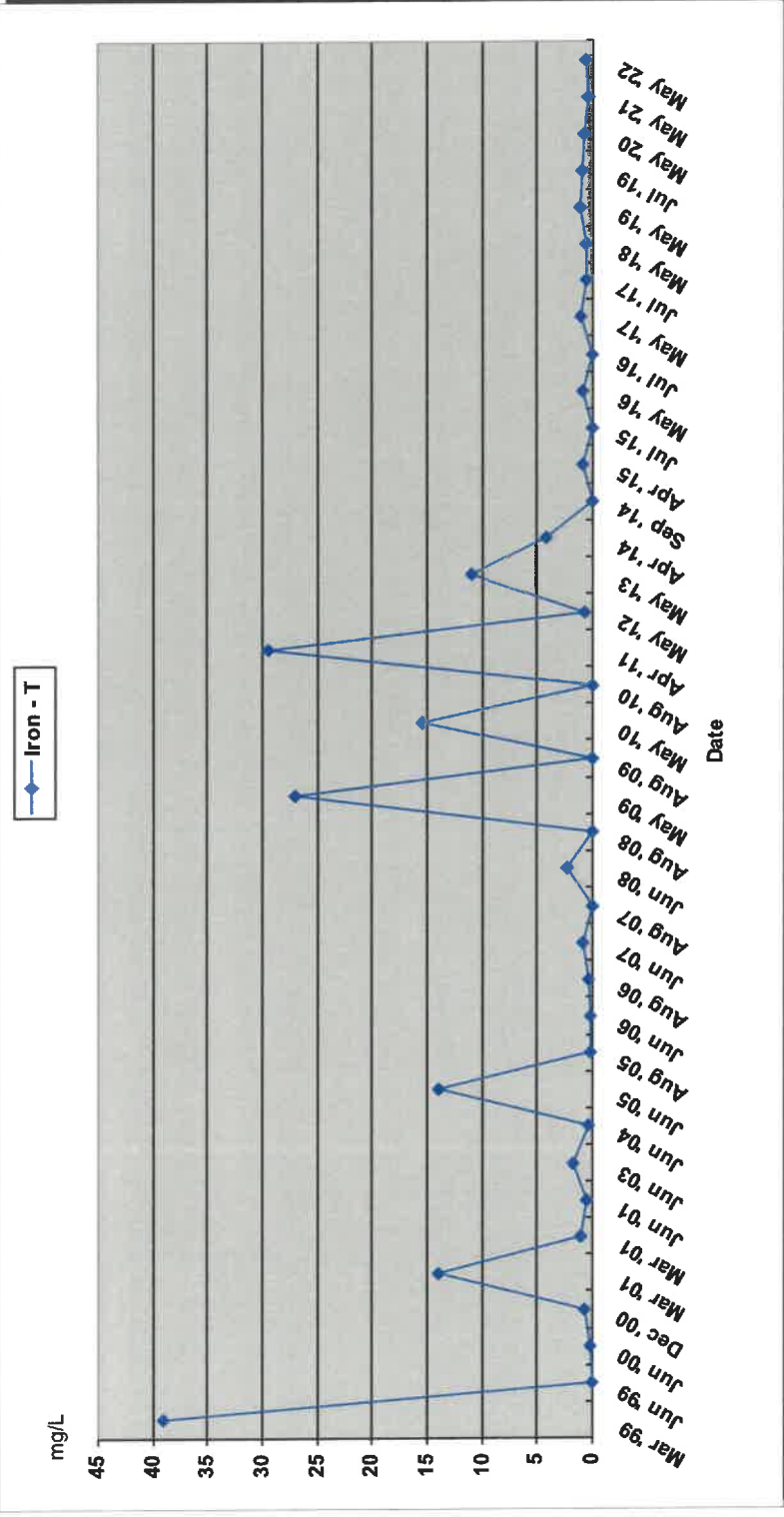


Oxbow Mining, LLC, Elk Creek Mine

Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

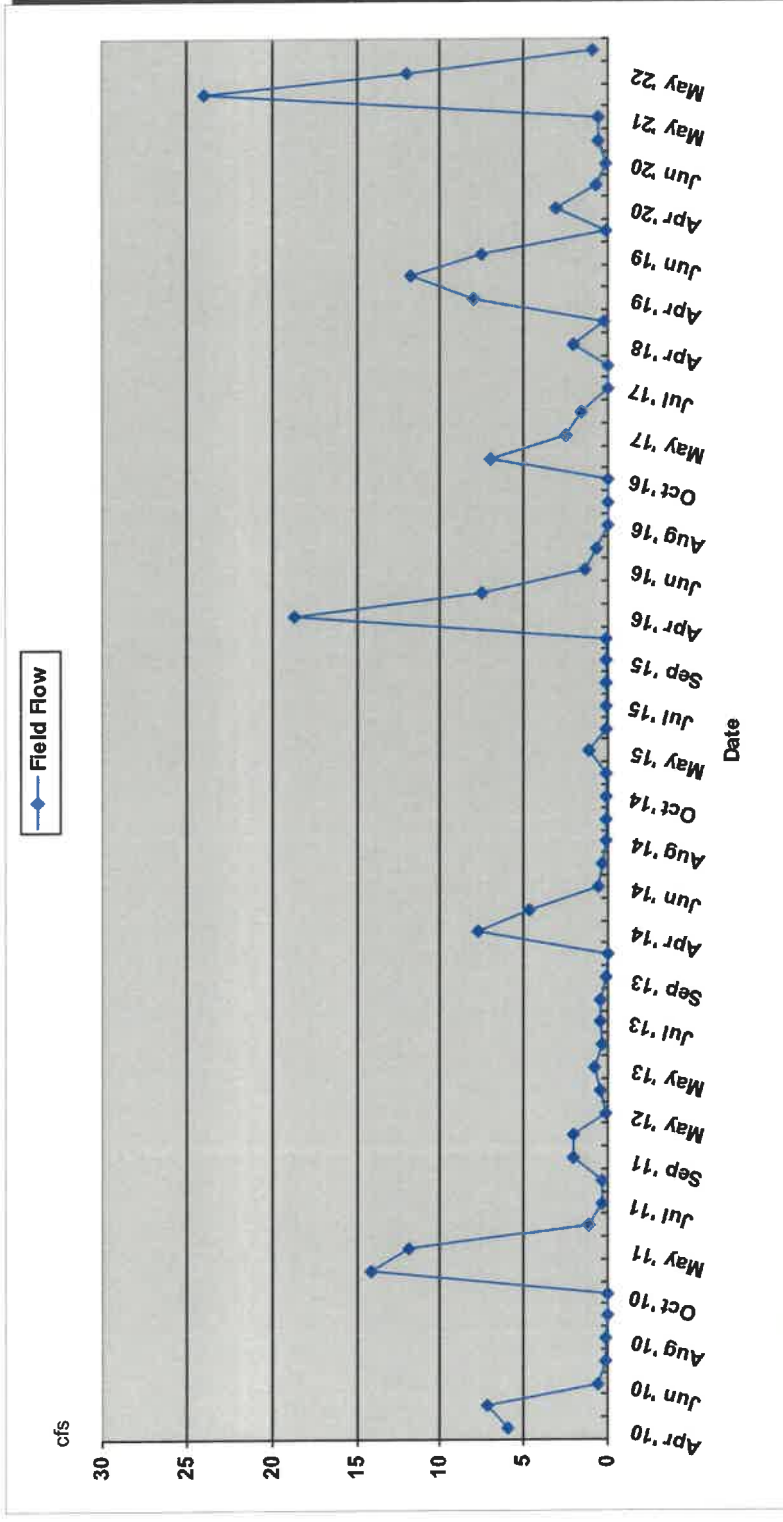
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

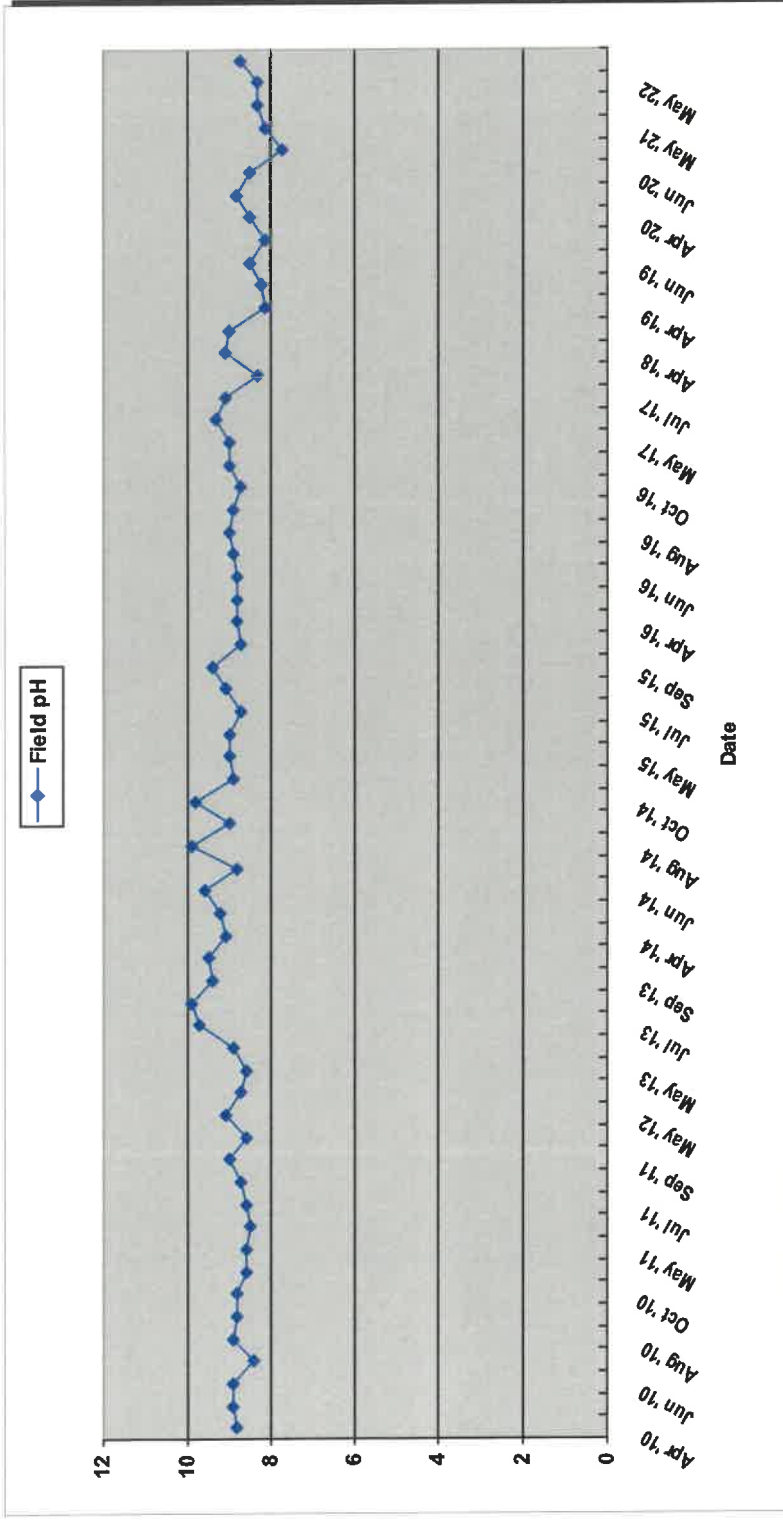
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC, Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

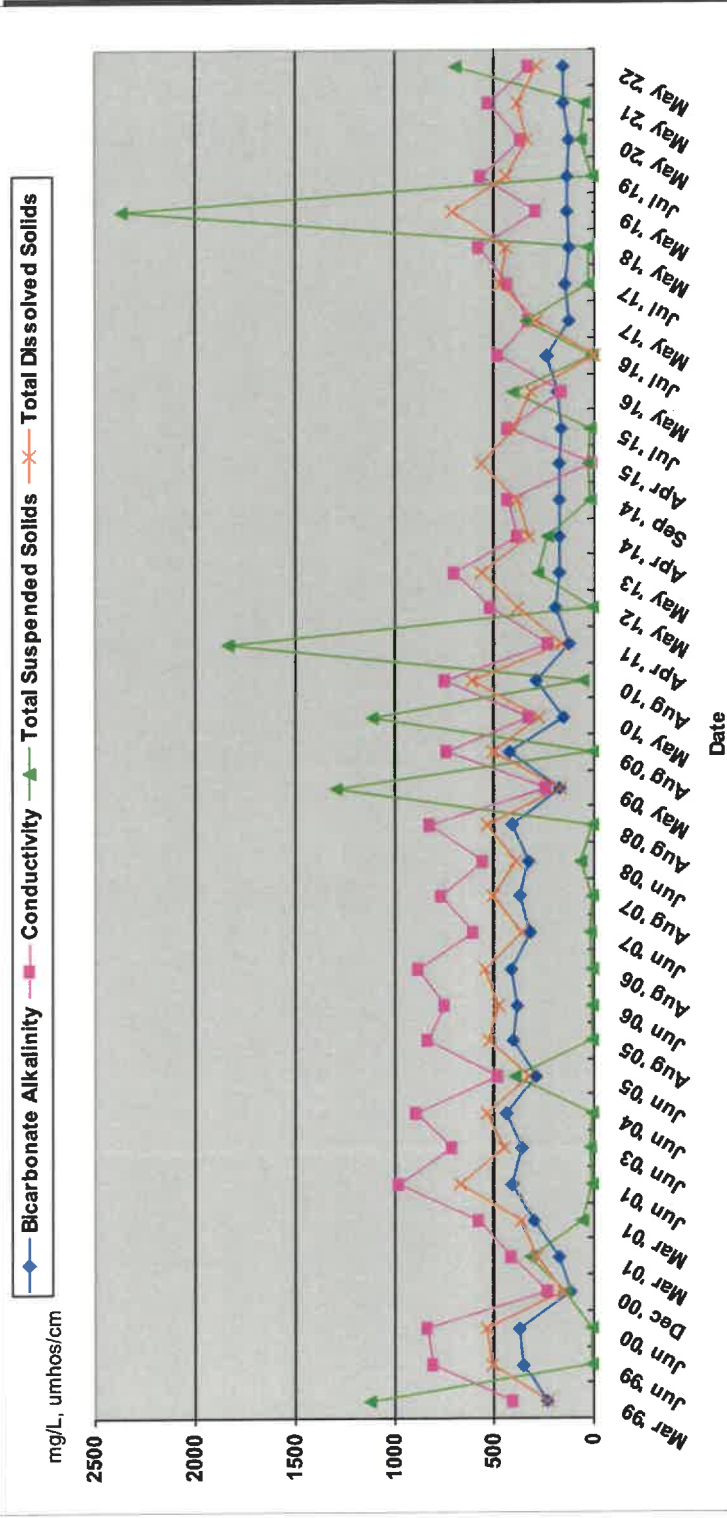
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

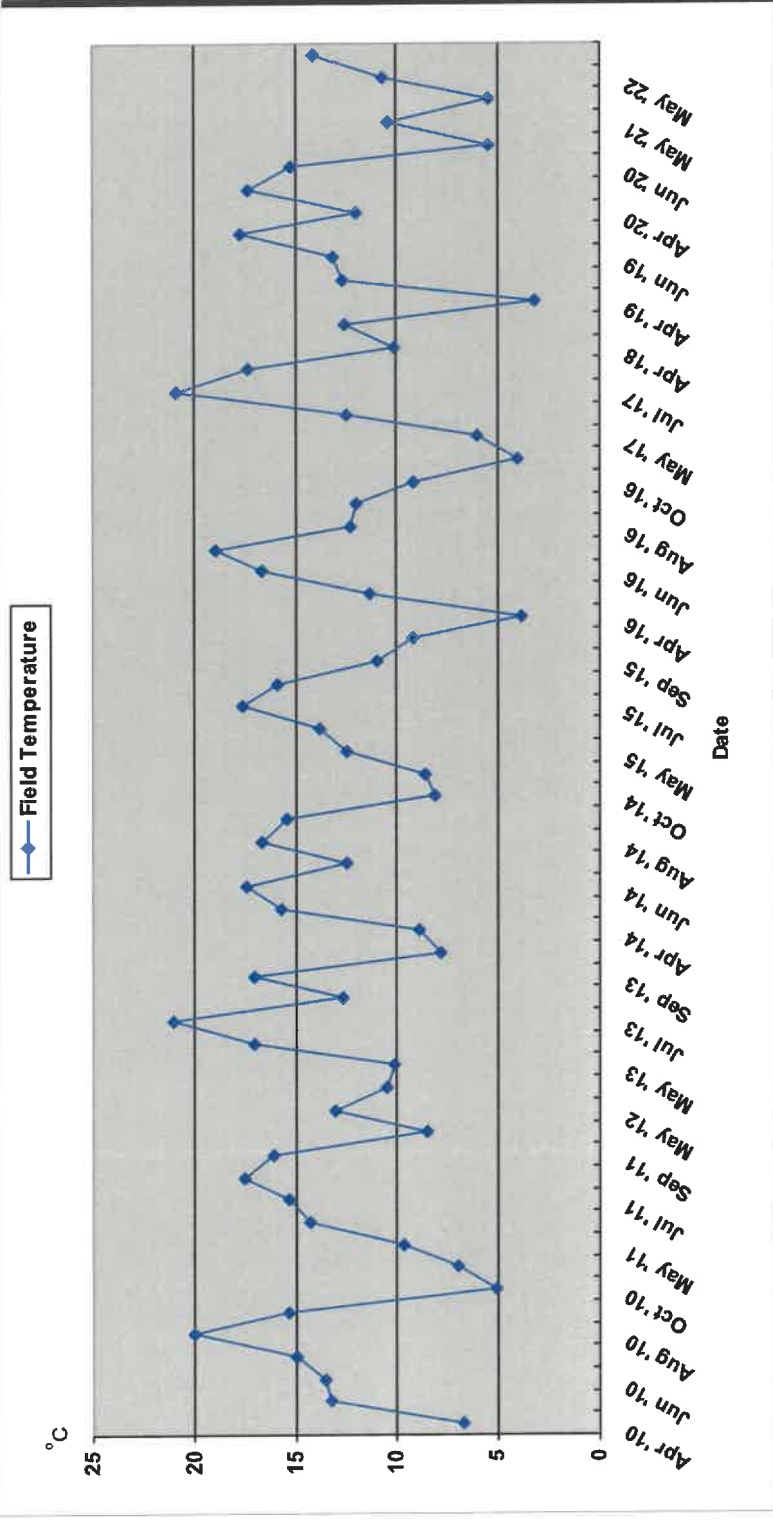
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: E-2



# MONITORING CHART FOR 2022 AHR

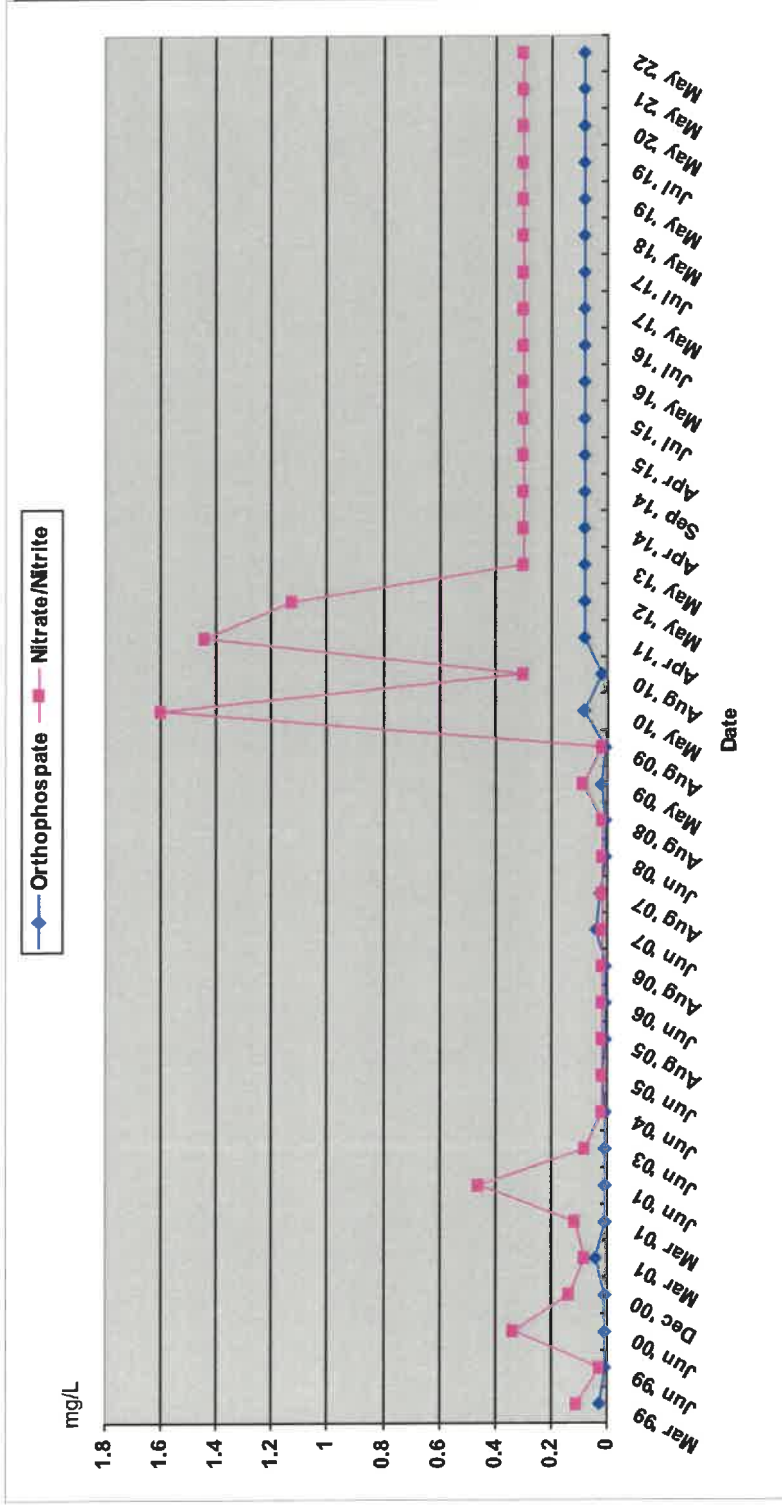
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

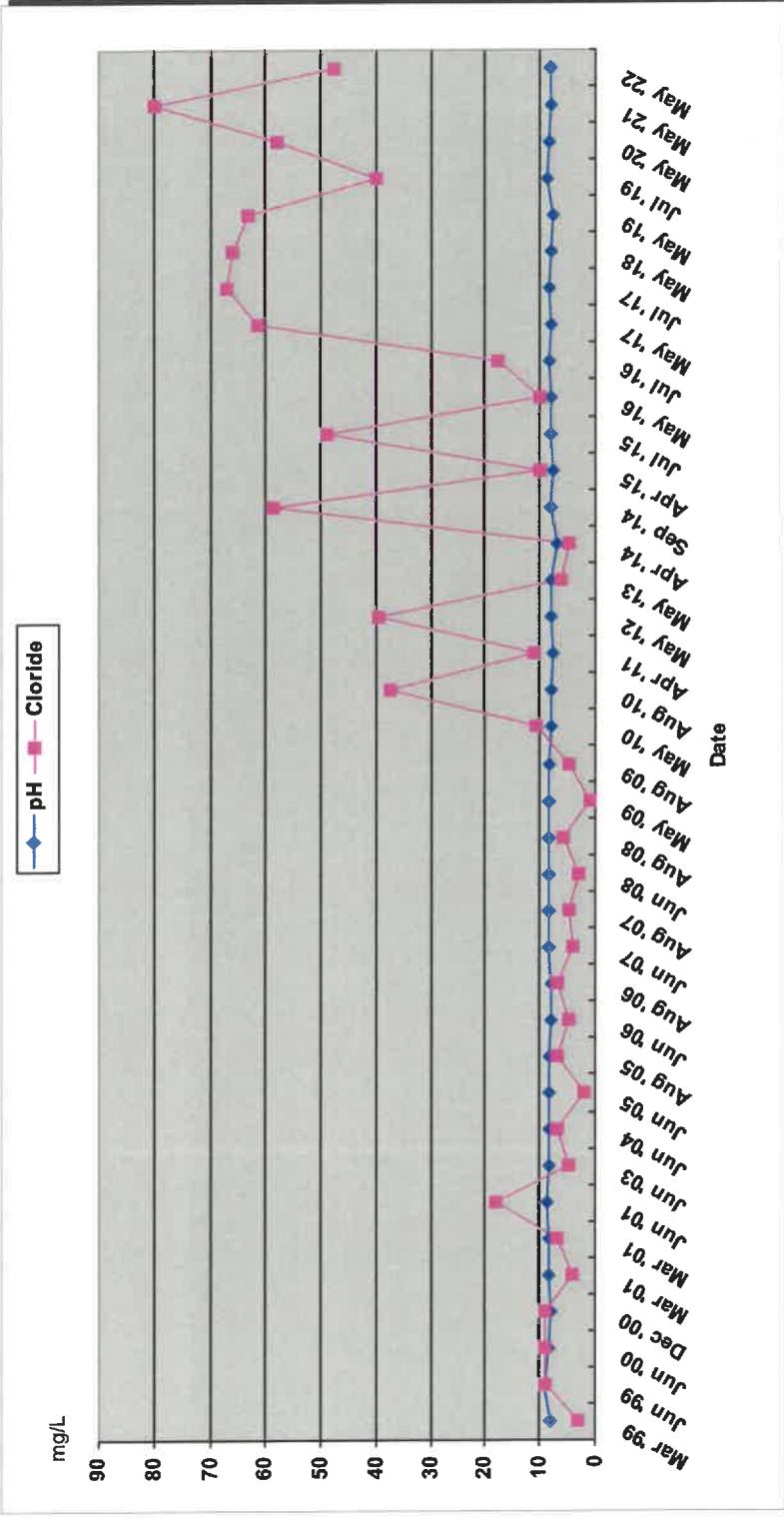
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

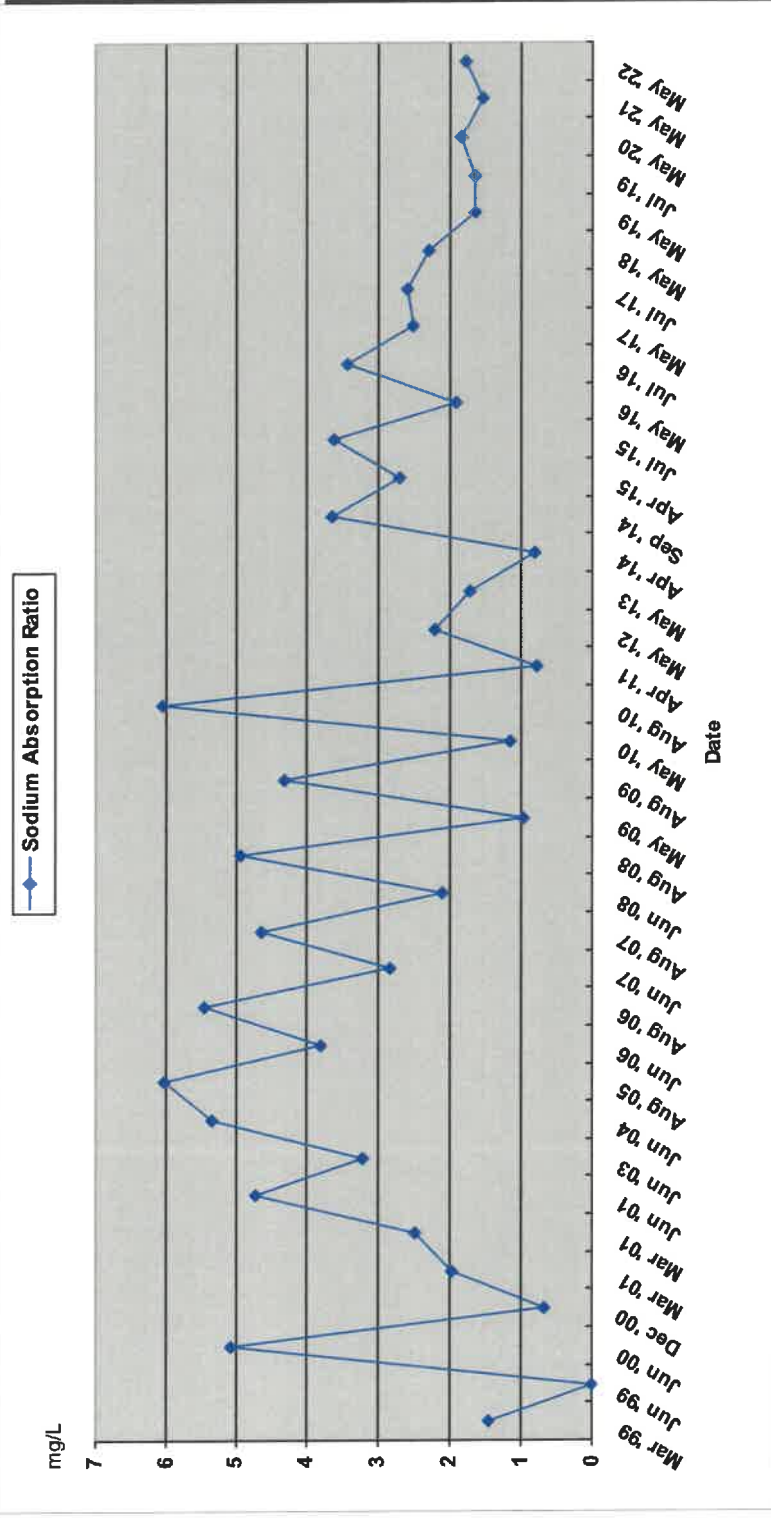
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

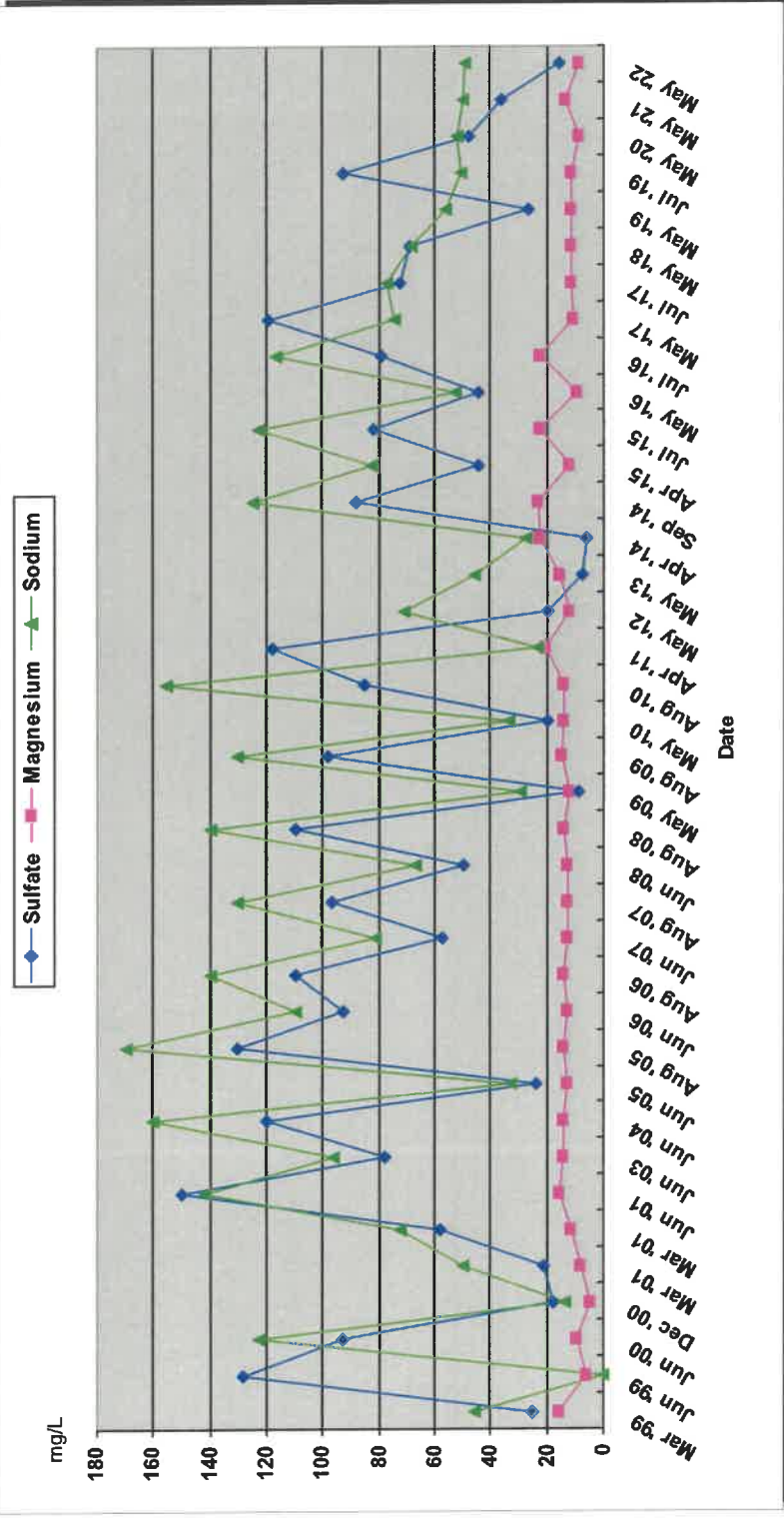
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

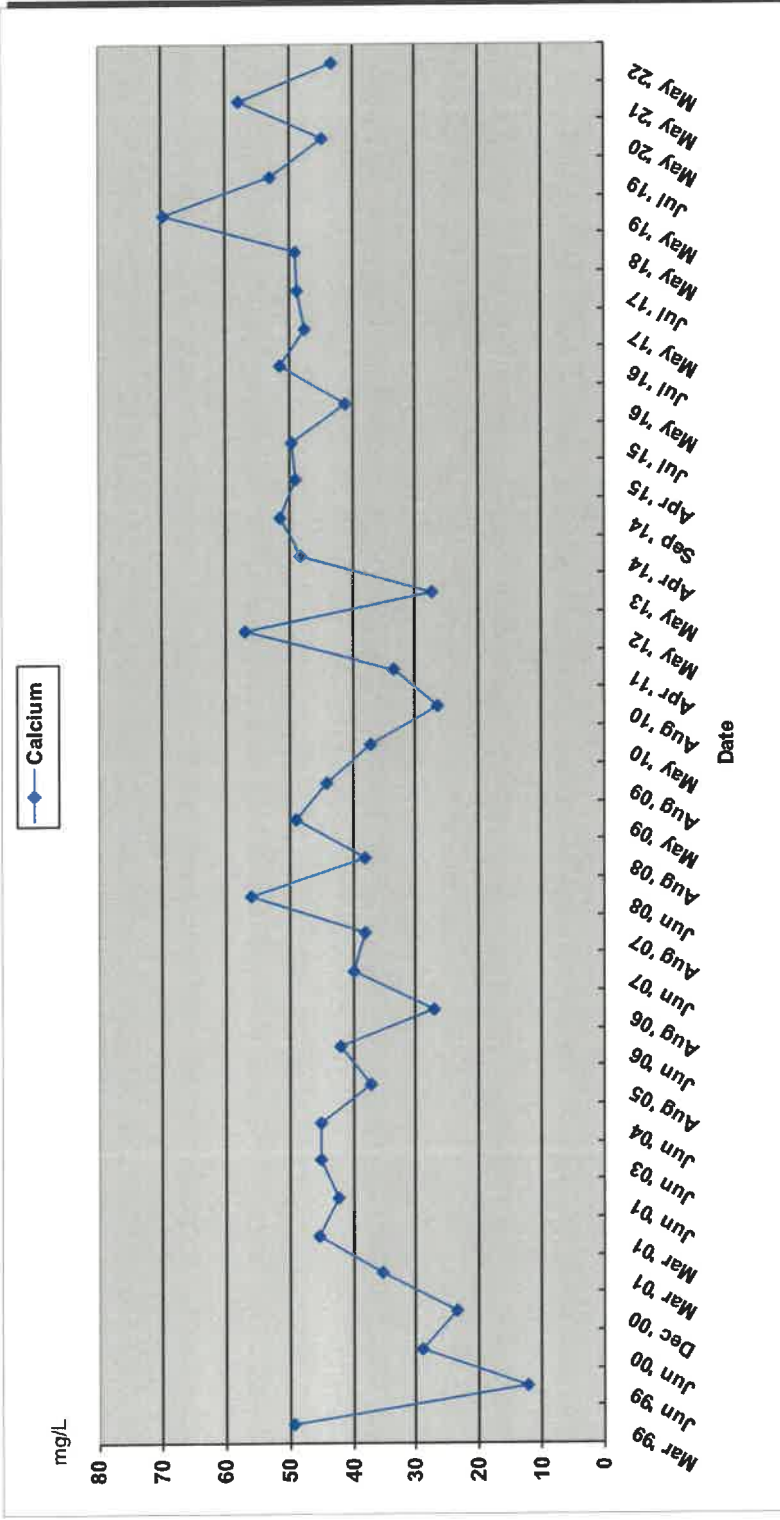
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

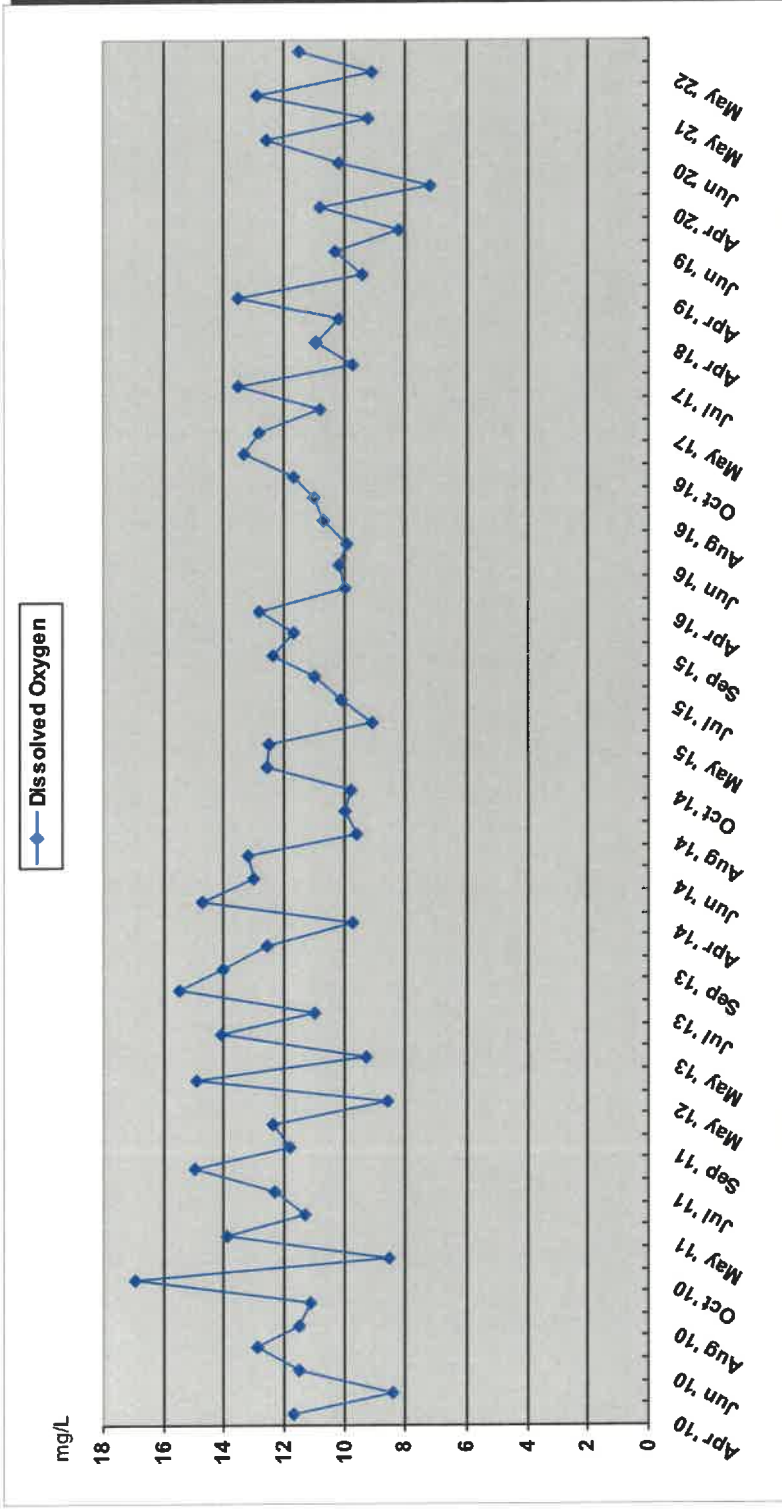
SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC, Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: E-2



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

NF-1 UPPER N.F. GUNNISON RIVER

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO   | Al | As | Cd | Ca | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|------|----|------|----|---------|-----|-----|-----|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 12/7/2022  | 14:00 | 70   | 8.8      | 326        | 1    |      |    |      |    |         |     |     |     |     | 11   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/15/2022 | 14:00 | 75   | 8        | 272        | 1    |      |    |      |    |         |     |     |     |     | 14.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/12/2022 | 12:00 | 80.9 | 7.8      | 212        | 8.1  |      |    |      |    |         |     |     |     |     | 11.8 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/8/2022   | 14:40 | 71.8 | 8.7      | 211        | 19.1 |      |    |      |    |         |     |     |     |     | 10.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/12/2022  | 12:20 | 252  | 8.4      | 222        | 18.5 |      |    |      |    |         |     |     |     |     | 11.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/18/2022  | 14:30 | 272  | 8.5      | 157        | 18   |      |    |      |    |         |     |     |     |     | 9    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/7/2022   | 10:10 | 1600 | 7.6      | 77         | 8.3  |      |    |      |    |         |     |     |     |     | 10.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/9/2022   | 12:40 | 1850 | 7.3      | 93         | 6.5  |      |    |      |    |         |     |     |     |     | 9.8  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/26/2022  | 10:30 | 1010 | 8.2      | 136        | 4    |      |    |      |    |         |     |     |     |     | 12.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/24/2022  | 13:45 | 101  | 8.1      | 175        | 5    |      |    |      |    |         |     |     |     |     | 13.4 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/28/2022  | 14:30 | 33.8 | 8.9      | 172        | 1.4  |      |    |      |    |         |     |     |     |     | 14.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/31/2022  | 11:00 | 60   | 8.9      | 202        | 0.1  |      |    |      |    |         |     |     |     |     | 9.7  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/2/2021  | 11:45 | 53.7 | 8        | 150        | 2.4  |      |    |      |    |         |     |     |     |     | 13.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/8/2021  | 12:30 | 80.9 | 8.7      | 133        | 4.3  |      |    |      |    |         |     |     |     |     | 12.5 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/21/2021 | 12:15 | 85.7 | 8.6      | 140        | 4    |      |    |      |    |         |     |     |     |     | 13.3 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/20/2021  | 15:30 | 59.4 | 8.3      | 155        | 18.3 |      |    |      |    |         |     |     |     |     | 9.5  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/12/2021  | 13:55 | 243  | 8.3      | 188        | 21.5 |      |    |      |    |         |     |     |     |     | 8.6  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/28/2021  | 13:45 | 248  | 8.1      | 169        | 19.8 |      |    |      |    |         |     |     |     |     | 8.3  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/11/2021  | 14:00 | 629  | 8.3      | 130        | 13   |      |    |      |    |         |     |     |     |     | 8.6  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/19/2021  | 11:45 | 863  | 7.7      | 120        | 7.7  |      |    |      |    |         |     |     |     |     | 7.9  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/12/2021  | 12:00 | 262  | 7.6      | 160        | 4.5  |      |    |      |    |         |     |     |     |     | 12   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/19/2021  | 11:25 | 96.9 | 7.9      | 230        | 5.4  |      |    |      |    |         |     |     |     |     | 14.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/24/2021  | 14:00 | 3.2  | 8.5      | 240        | 1    |      |    |      |    |         |     |     |     |     | 14.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/21/2021  | 11:30 | 2.1  | 7.8      | 240        | 1.1  |      |    |      |    |         |     |     |     |     | 14.5 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/3/2020  | 15:00 | 30.5 | 8.3      | 370        | 2    |      |    |      |    |         |     |     |     |     | 12.5 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/17/2020 | 12:30 | 45   | 7.8      | 280        | 2    |      |    |      |    |         |     |     |     |     | 8    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/6/2020  | 12:50 | 33.9 | 7.8      | 280        | 10.8 |      |    |      |    |         |     |     |     |     | 11   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/15/2020  | 11:30 | 60.9 | 8        | 280        | 13   |      |    |      |    |         |     |     |     |     | 9.6  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/12/2020  | 13:30 | 217  | 8.5      | 320        | 21   |      |    |      |    |         |     |     |     |     | 8.7  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/13/2020  | 14:30 | 250  | 8.2      | 210        | 17   |      |    |      |    |         |     |     |     |     | 7.6  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/2/2020   | 9:10  | 1340 | 7.8      | 100        | 8.5  |      |    |      |    |         |     |     |     |     | 11.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/18/2020  | 12:40 | 1330 | 8.7      | 110        | 10.5 |      |    |      |    |         |     |     |     |     | 7.6  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/27/2020  | 11:05 | 518  | 8.3      | 210        | 6.5  |      |    |      |    |         |     |     |     |     | 12   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/18/2020  | 11:30 | 82.7 | 8.3      | 210        | 3.5  |      |    |      |    |         |     |     |     |     | 13.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/21/2020  | 11:00 | 62   | 8.3      | 260        | 1    |      |    |      |    |         |     |     |     |     | 14.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/9/2020   | 11:40 | 155  | 8.2      | 300        | 0.5  |      |    |      |    |         |     |     |     |     | 14.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | pH  | Field | Cond | Tem  | HCO3  | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As    | Cd    | Ca    | Cu | Pb    | Mg    | Mn  | Hg    | Mo      | Se    | Na    | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|------|-----|-------|------|------|-------|------|------|-------|---------|-------|-----|-----|------|------|----|-------|-------|-------|----|-------|-------|-----|-------|---------|-------|-------|-------|-----|--------|-------|--------|
| 12/29/2019 | 11:15 | 48.3 | 8.3 |       | 250  | 1.2  |       |      |      |       |         |       |     |     |      | 14.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 11/18/2019 | 14:00 | 35   | 8.4 |       | 310  | 3.3  | 33.18 | 7.93 | 87   | 47.72 | 0.3     | 15.93 | 15  | 108 | 0.08 | 11.6 |    |       |       |       |    | 0.054 | 3.0   |     |       |         |       |       |       |     |        | 0.517 | 0.054  |
| 10/17/2019 | 13:00 | 72   | 8.1 |       | 280  | 6.1  |       |      |      |       |         |       |     |     |      | 12.4 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 9/19/2019  | 13:35 | 224  | 8.4 |       | 280  | 17   |       |      |      |       |         |       |     |     |      |      |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 8/20/2019  | 10:00 | 241  | 8.3 |       | 210  | 11.2 |       |      |      |       |         |       |     |     |      | 11   |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 7/10/2019  | 12:15 | 1120 | 8.2 |       | 120  | 11.7 | 34.48 | 8.70 | 87   | 53.49 | 0.3     | 4.94  | 16  | 122 | 0.08 | 8.8  |    | 0.004 | 0.002 | 28.55 |    |       |       |     |       |         |       |       |       |     |        |       | 0.041  |
| 6/7/2019   | 11:00 | 2800 | 8.4 |       | 150  | 7.5  |       |      |      |       |         |       |     |     |      | 11.5 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       | 0.014  |
| 5/13/2019  | 13:15 | 1710 | 8   |       | 20   | 8.9  | 57.69 | 7.51 | 139  | 36.1  | 0.3     | 17.29 | 100 | 268 | 0.08 | 9.6  |    |       |       | 25.9  |    |       | 6.2   |     |       |         |       |       |       |     |        | 0.088 |        |
| 4/12/2019  | 11:10 | 586  | 7.9 |       | 250  | 4.1  |       |      |      |       |         |       |     |     |      | 13.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 3/15/2019  | 13:30 | 51   | 8.4 |       | 210  | 2    |       |      |      |       |         |       |     |     |      | 13.6 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 2/28/2019  | 8:45  | 30   | 8.2 |       | 170  | 0.6  |       |      |      |       |         |       |     |     |      | 14.4 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 1/29/2019  | 14:00 | 69   | 8.1 |       | 190  | 0.5  |       |      |      |       |         |       |     |     |      | 14.4 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 12/10/2018 | 13:10 | 83   | 8.4 |       | 200  | 1.1  |       |      |      |       |         |       |     |     |      | 14.4 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 11/14/2018 | 13:30 | 81   | 8.4 |       | 230  | 0.8  | 68.33 | 8.04 | 161  | 17.5  | 0.3     | 6.81  | 22  | 153 | 0.08 | 11.1 |    |       |       | 19.14 |    |       | 9.6   |     |       |         |       |       |       |     |        | 0.076 | 0.016  |
| 10/17/2018 | 11:52 | 64.1 | 8.1 |       | 230  | 5.8  |       |      |      |       |         |       |     |     |      | 12.5 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 9/14/2018  | 13:49 | 33.7 | 8.2 |       | 250  | 16   |       |      |      |       |         |       |     |     |      | 10.5 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 8/27/2018  | 10:50 | 46.7 | 7.7 |       | 270  | 15.2 |       |      |      |       |         |       |     |     |      | 9.8  |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 7/11/2018  | 14:00 | 241  | 7.8 |       | 250  | 20.7 | 21.83 | 7.74 | 141  | 38.16 | 0.3     | 26.17 | 13  | 128 | 0.08 | 14   |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        | 0.593 | 0.071  |
| 6/22/2018  | 9:25  | 280  | 8.7 |       | 230  | 10.7 |       |      |      |       |         |       |     |     |      | 11.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       | 0.016  |
| 5/14/2018  | 22:25 | 1210 | 8.8 |       | 160  | 7.1  | 30.08 | 6.79 | 98   | 30.9  | 0.3     | 15.64 | 110 | 86  | 0.08 | 11   |    |       |       | 15.5  |    |       | 4.6   |     |       |         |       |       |       |     |        |       |        |
| 4/24/2018  | 13:30 | 338  | 8.4 |       | 190  | 10.4 |       |      |      |       |         |       |     |     |      | 11.3 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 3/8/2018   | 10:15 | 25   | 8.9 |       | 250  | 1.4  |       |      |      |       |         |       |     |     |      | 14.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 2/5/2018   | 10:00 | 45   | 8.4 |       | 240  | 0.5  |       |      |      |       |         |       |     |     |      | 14.7 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 1/5/2018   | 9:15  | 40   | 8.6 |       | 320  | 0.4  |       |      |      |       |         |       |     |     |      | 14.6 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 12/8/2017  | 12:30 | 45   | 8.5 |       | 310  | 0.2  |       |      |      |       |         |       |     |     |      | 14.5 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 11/13/2017 | 13:20 | 42.1 | 8.5 |       | 270  | 5.2  | 24.76 | 6.68 | 132  | 17.73 | 0.3     | 11.94 | 31  | 114 | 0.08 | 14.3 |    |       |       | 26.89 |    |       | 3.3   |     |       |         |       |       |       |     |        | 0.361 | 0.054  |
| 10/19/2017 | 10:15 | 56.2 | 8.3 |       | 240  | 3.2  |       |      |      |       |         |       |     |     |      | 13.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 9/11/2017  | 11:30 | 237  | 8.6 |       | 360  | 18.1 |       |      |      |       |         |       |     |     |      | 9.2  |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 8/8/2017   | 11:05 | 289  | 8.1 |       | 230  | 14   |       |      |      |       |         |       |     |     |      | 12.6 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 7/18/2017  | 12:05 | 289  | 9.3 |       | 190  | 18.4 | 25.81 | 7.61 | 130  | 41.83 | 0.3     | 28.15 | 16  | 132 | 0.08 | 14.3 |    | 0.004 | 0.002 | 27.43 |    |       | 0.005 | 3.8 | 0.014 | 0.00009 | 0.004 | 18.64 | 0.021 | 0   | 0      | 0.421 | 0.067  |
| 6/6/2017   | 11:30 | 2140 | 8.3 |       | 100  | 8.7  |       |      |      |       |         |       |     |     |      | 13.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 5/17/2017  | 10:30 | 1980 | 8.6 |       | 150  | 6.7  | 32.93 | 7.45 | 91   | 35.01 | 0.3     | 11.52 | 48  | 62  | 0.08 | 12.1 |    |       |       | 13.9  |    |       | 4.3   |     |       |         |       |       |       |     |        | 0.106 | 0.018  |
| 4/28/2017  | 9:30  | 928  | 9.1 |       | 230  | 3.8  |       |      |      |       |         |       |     |     |      | 13.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 3/8/2017   | 10:15 | 128  | 9.2 |       | 370  | 3    |       |      |      |       |         |       |     |     |      | 13.2 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 2/3/2017   | 11:00 | 78   | 8.6 |       | 350  | 1.4  |       |      |      |       |         |       |     |     |      | 13.6 |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |
| 1/18/2017  | 12:00 | 83   | 8.4 |       | 330  | 0.5  |       |      |      |       |         |       |     |     |      | 15   |    |       |       |       |    |       |       |     |       |         |       |       |       |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS | P04  | DO   | Al    | As    | Cd    | Ca    | Cu   | Pb    | Mg       | Mn    | Hg    | Mo    | Se    | Na   | Zn    | Oil   | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|-------|------|------|-------|---------|-------|-----|-----|------|------|-------|-------|-------|-------|------|-------|----------|-------|-------|-------|-------|------|-------|-------|--------|-------|--------|
| 12/12/2016 | 11:30 | 60   | 8.6      | 310        | 0.2  | 48.39 | 7.53 | 284  | 7.9   | 0.3     | 13.58 | 46  | 256 | 0.08 | 9.8  | 15.2  |       |       | 21.4  |      |       | 5.2      |       |       |       |       | 22.8 |       | 0     | 0      | 0.54  | 0.022  |
| 11/29/2016 | 9:21  | 66   | 8.3      | 280        | 0.3  |       |      |      |       |         |       |     |     |      | 12.6 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 10/28/2016 | 10:20 | 87   | 8.9      | 320        | 7.5  |       |      |      |       |         |       |     |     |      | 12.7 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 9/22/2016  | 10:30 | 92   | 8.5      | 300        | 13.9 |       |      |      |       |         |       |     |     |      |      |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 8/25/2016  | 11:00 | 245  | 9.2      | 170        | 15.8 |       |      |      |       |         |       |     |     |      | 9.9  |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 7/25/2016  | 10:45 | 245  | 9.8      | 100        | 18.4 | 58.13 | 8.56 | 192  | 11.78 | 0.3     | 6.83  | 170 | 16  | 0.08 | 9.8  | 0.004 | 0.002 | 14.8  | 0.005 | 4.2  | 0.013 | 0.0001   | 0.005 | 21.55 | 0.016 | 0     | 0    | 0.224 | 0.034 |        |       |        |
| 6/9/2016   | 10:30 | 1510 | 8.9      | 80         | 11.4 |       |      |      |       |         |       |     |     |      | 12.8 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 5/23/2016  | 10:00 | 2110 | 8.9      | 80         | 8.8  | 78.66 | 7.81 | 149  | 4.84  | 0.3     | 5.76  | 68  | 128 | 0.08 | 9.9  |       |       |       | 12.2  |      |       | 4.0      |       |       |       | 20.6  |      | 0     | 0     | 0.58   | 0.02  |        |
| 4/28/2016  | 13:47 | 729  | 8.1      | 110        | 6.8  |       |      |      |       |         |       |     |     |      | 13   |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 3/10/2016  | 13:10 | 159  | 9.1      | 180        | 7.5  |       |      |      |       |         |       |     |     |      | 12.8 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 2/11/2016  | 11:15 | 90   | 9.2      | 160        | 2    |       |      |      |       |         |       |     |     |      | 13.7 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 12/10/2015 | 8:40  |      | 8.7      | 180        | 2    |       |      |      |       |         |       |     |     |      | 14.5 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 11/9/2015  | 13:30 |      | 8.4      | 230        | 6.3  |       |      |      |       |         |       |     |     |      | 14.3 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 10/21/2015 | 9:30  |      | 9.8      | 220        | 10.3 | 52.17 | 7.61 | 203  | 16.8  | 0.3     | 18.74 | 25  | 194 | 0.08 | 8.5  |       |       |       | 31.8  |      |       | 7.1      |       |       |       | 26    |      | 0     | 0     | 0.58   | 0.047 |        |
| 9/18/2015  | 13:30 |      | 8.9      | 240        | 18   |       |      |      |       |         |       |     |     |      | 9.2  |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 8/4/2015   | 12:40 |      | 9        | 200        | 17.6 |       |      |      |       |         |       |     |     |      | 13.8 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 7/21/2015  | 13:00 |      | 8.7      | 180        | 17.1 | 52.17 | 8.12 | 157  | 11.76 | 0.3     | 13.53 | 34  | 148 | 0.08 | 9.8  | 0.004 | 0.002 | 29.61 | 0.005 | 4.1  | 0.012 | 0.00011  | 0.005 | 24.68 | 0.018 | 0     | 0    | 0.47  | 0.085 |        |       |        |
| 6/17/2015  | 13:00 |      | 8.7      | 110        | 14.5 |       |      |      |       |         |       |     |     |      | 14.3 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 5/4/2015   | 14:20 |      | 9        | 110        | 11   |       |      |      |       |         |       |     |     |      | 15.7 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 4/14/2015  | 10:00 |      | 8.8      | 120        | 3.8  | 81.14 | 7.11 | 142  | 4.84  | 0.3     | 5.76  | 9   | 128 | 0.08 | 10.6 |       |       |       | 12.2  |      |       | 4.0      |       |       |       | 20.8  |      | 0     | 0     | 0.58   | 0.02  |        |
| 3/3/2015   | 13:00 |      | 9        | 80         | 6.3  |       |      |      |       |         |       |     |     |      | 12.5 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 2/3/2015   | 13:45 |      | 9.4      | 110        | 4.1  |       |      |      |       |         |       |     |     |      | 12.5 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 1/9/2015   | 14:00 |      | 8.4      | 135        | 0.3  |       |      |      |       |         |       |     |     |      | 9.7  |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 12/18/2014 | 14:00 |      | 9.4      | 100        | 4.1  |       |      |      |       |         |       |     |     |      | 13.5 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 11/11/2014 | 11:00 |      | 9.3      | 100        | 1    | 68.13 | 7.56 | 296  | 43.6  | 0.3     | 49.39 | 62  | 247 | 0.08 | 10.1 |       |       |       | 44.6  |      |       | 11.4     |       |       |       | 25.8  |      | 0     | 0     | 7.6    | 0.03  |        |
| 10/31/2014 | 11:00 |      | 9.9      | 120        | 5.4  |       |      |      |       |         |       |     |     |      | 13.1 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 9/10/2014  | 9:30  |      | 8.9      | 100        | 15.2 | 36.94 | 6.58 | 142  | 12.76 | 0.3     | 16.05 | 24  | 102 | 0.08 | 9.6  | 0.003 | 0.003 | 33.4  | 0.005 | 13.0 | 0.011 | 0.000029 | 0.004 | 33.2  | 0.026 | 0     | 0    | 0.54  | 0.08  |        |       |        |
| 8/25/2014  | 1:30  |      | 8.3      | 160        | 18.2 |       |      |      |       |         |       |     |     |      | 11.5 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 7/6/2014   | 9:00  |      | 8.8      | 70         | 13   |       |      |      |       |         |       |     |     |      | 14.1 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 6/11/2014  | 13:00 |      | 8.8      | 140        | 13.4 |       |      |      |       |         |       |     |     |      | 9.6  |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 5/19/2014  | 13:15 |      | 9.2      | 60         | 11.3 |       |      |      |       |         |       |     |     |      | 10   |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 4/14/2014  | 8:00  |      | 0.1      | 0          | 0    | 84.13 | 7.14 | 188  | 11.76 | 0.3     | 8.43  | 54  | 159 | 0.08 | 9.8  |       |       |       | 37.4  |      |       | 40.0     |       |       |       | 9.04  |      | 0     | 0     | 26.9   | 0.06  |        |
| 4/6/2014   | 10:30 |      | 8.3      | 140        | 6.1  | 88.73 | 7.07 | 191  | 8.53  | 0.3     | 4.18  | 6.8 | 166 | 0.08 | 9.6  |       |       |       | 33.6  |      |       | 20.0     |       |       |       | 17.28 |      | 0     | 0     | 0.85   | 0.08  |        |
| 3/6/2014   | 13:00 |      | 8.9      | 140        | 8.9  |       |      |      |       |         |       |     |     |      | 13.6 |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 2/18/2014  | 14:00 |      | 8.9      | 130        | 2.6  |       |      |      |       |         |       |     |     |      | 8.9  |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |
| 1/15/2014  | 13:30 |      | 8.2      | 130        | 0.2  |       |      |      |       |         |       |     |     |      | 8.5  |       |       |       |       |      |       |          |       |       |       |       |      |       | 0     | 0      |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem   | HCO3 | pH  | Cond  | Cl   | NO3/NO2 | SO4 | TSS | TDS    | PO4  | DO    | Al    | As   | Cd    | Ca   | Cu    | Pb       | Mg    | Mn   | Hg    | Mo | Se | Na   | Zn   | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|-------|------|-----|-------|------|---------|-----|-----|--------|------|-------|-------|------|-------|------|-------|----------|-------|------|-------|----|----|------|------|-----|--------|-------|--------|--|
| 12/2/2013  | 12:30 | 8.8  | 140      | 1          | 13.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 11/13/2013 | 10:30 | 8.7  | 120      | 0.5        | 16.2  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 10/18/2013 | 13:00 | 8.4  | 100      | 7.4        | 12.9  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 9/9/2013   | 11:00 | 8    | 160      | 17         | 13.3  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 8/16/2013  | 10:30 | 8.2  | 150      | 16.6       | 8.2   |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 7/19/2013  | 1:30  | 8.8  | 110      | 20.4       | 98.43 | 8.12 | 234 | 17.43 | 0.3  | 5.13    | 68  | 208 | 0.0594 | 14.1 | 0.003 | 0.003 | 28.6 | 0.005 | 9.8  | 0.014 | 0.000033 | 0.006 | 45.6 | 0.022 | 0  | 0  | 1.38 | 0.26 |     |        |       |        |  |
| 6/5/2013   | 13:15 | 8.7  | 50       | 14.1       | 96.45 | 7.20 | 242 | 11.56 | 0.3  | 4.52    | 75  | 222 | 0.08   | 9.4  | 0     | 0     | 0    | 0     | 0    | 0     | 0        | 0     | 0    | 0     | 0  | 0  | 0    | 0    | 0   | 0      | 0     | 0      |  |
| 5/6/2013   | 11:45 | 8.4  | 80       | 9          | 8.3   |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 4/22/2013  | 13:10 | 8.3  | 130      | 10.5       | 8.3   |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 3/21/2013  | 0:00  | 8.5  | 170      | 11         | 10.6  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 2/21/2013  | 13:00 | 7.8  | 220      | 3.1        | 14.7  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 12/5/2012  | 12:45 | 8.9  | 150      | 3.1        | 98.79 | 8.21 | 204 | 78.43 | 0.3  | 7.04    | 178 | 4   | 0.048  | 8.6  | 0     | 0     | 0    | 0     | 0    | 0     | 0        | 0     | 0    | 0     | 0  | 0  | 0    | 0    | 0   | 0      | 0     | 0      |  |
| 11/20/2012 | 13:00 | 7.6  | 160      | 5.3        | 11.3  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 10/10/2012 | 14:00 | 8.5  | 150      | 11.3       | 11.9  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 9/6/2012   | 13:00 | 8.4  | 200      | 15.5       | 10.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 8/2/2012   | 11:15 | 9.4  | 180      | 23         | 91.71 | 8.29 | 203 | ##### | 0.3  | 6.56    | 39  | 117 | 0.051  | 11.1 | 0.003 | 0.002 | 67   | 0.005 | 11.2 | 0.01  | 0.00004  | 0.008 | 37.8 | 0.05  | 0  | 0  | 0.7  | 0.02 |     |        |       |        |  |
| 7/30/2012  | 12:20 | 9.3  | 190      | 23         | 10.4  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 6/13/2012  | 10:20 | 8.6  | 180      | 16.6       | 9.8   |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 6/8/2012   | 11:25 | 8.4  | 90       | 12.9       | 15.4  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 5/9/2012   | 12:15 | 7.4  | 70       | 9.1        | 54.76 | 7.12 | 167 | 4.36  | 1.06 | 21.42   | 125 | 55  | 0.17   | 12.1 | 0     | 0     | 0    | 0     | 0    | 0     | 0        | 0     | 0    | 0     | 0  | 0  | 0    | 0    | 0   | 0      | 0     | 0      |  |
| 4/23/2012  | 13:35 | 8.1  | 70       | 15         | 14.5  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 3/26/2012  | 13:00 | 7.8  | 110      | 7.3        | 12.1  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 2/20/2012  | 15:00 | 7.7  | 230      | 2.9        | 14.3  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 1/10/2012  | 13:00 | 7.4  | 140      | 3.1        | 14.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 12/5/2011  | 13:00 | 8.2  | 170      | 1.2        | 18.53 | 7.88 | 266 | 2.46  | 0.3  | 8.99    | 129 | 3   | 0.17   | 7.5  | 0.003 | 0.005 | 23.4 | 0.005 | 3.0  | 0.06  | 0.000025 | 0.004 | 8.2  | 0.01  | 0  | 0  | 0.22 | 0.07 |     |        |       |        |  |
| 11/18/2011 | 12:00 | 8.6  | 150      | 2.3        | 14.1  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 9/26/2011  | 12:00 | 9.3  | 170      | 17.8       | 12.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 7/26/2011  | 14:15 | 8.1  | 110      | 14         | 12.2  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 6/14/2011  | 14:15 | 8.3  | 80       | 11.5       | 13.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 5/23/2011  | 13:55 | 8.6  | 140      | 7.6        | 15.6  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 3/30/2011  | 1:00  | 8.3  | 200      | 6          | 12.7  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 2/6/2011   | 14:00 | 8.7  | 280      | 1.4        | 14.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 1/21/2011  | 14:00 | 8.5  | 230      | 2.1        | 14.8  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 12/21/2010 | 11:00 | 8.8  | 220      | 1          | 11.9  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |
| 10/27/2010 | 1:00  | 8.9  | 160      | 4.7        | 14.3  |      |     |       |      |         |     |     |        |      |       |       |      |       |      |       |          |       |      |       |    |    |      |      |     |        |       |        |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO   | Al | As | Cd | Ca | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|------|----|------|----|---------|-----|-----|-----|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 9/27/2010  | 1:30  |      | 8.2      | 270        | 16   |      |    |      |    |         |     |     |     |     | 10.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/15/2010  | 2:00  |      | 9        | 150        | 18.8 |      |    |      |    |         |     |     |     |     | 13   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/4/2010   | 12:15 |      | 10       | 70         | 10.4 |      |    |      |    |         |     |     |     |     | 14.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/22/2010  | 1:10  |      | 9        | 100        | 5.8  |      |    |      |    |         |     |     |     |     | 13.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/3/2010   | 1:00  |      | 9.2      | 250        | 1.9  |      |    |      |    |         |     |     |     |     | 11.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/23/2010  | 1:00  |      | 9.3      | 450        | 2.2  |      |    |      |    |         |     |     |     |     | 14.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/28/2010  | 1:00  |      | 9.3      | 280        | 1.5  |      |    |      |    |         |     |     |     |     | 16.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/9/2009  | 10:15 |      | 8.9      | 210        | 1    |      |    |      |    |         |     |     |     |     | 12   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/16/2009 | 10:00 |      | 8.5      | 230        | 2.9  |      |    |      |    |         |     |     |     |     | 15.4 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/25/2009  | 9:00  |      | 7.2      | 150        | 14.9 |      |    |      |    |         |     |     |     |     | 11.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/17/2009  | 1:00  |      | 6.8      | 140        | 18.4 |      |    |      |    |         |     |     |     |     | 4.2  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/22/2009  | 9:35  |      | 7.7      | 90         | 12.9 |      |    |      |    |         |     |     |     |     | 16.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/29/2009  | 10:45 |      | 8.2      | 110        | 5.5  |      |    |      |    |         |     |     |     |     | 14.3 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/9/2009   | 10:00 |      | 8.1      | 200        | 5.3  |      |    |      |    |         |     |     |     |     | 13.9 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/9/2009   | 12:00 |      | 7.7      | 100        | 1    |      |    |      |    |         |     |     |     |     | 15.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/16/2009  | 11:30 |      | 7.6      | 270        | 0.6  |      |    |      |    |         |     |     |     |     | 12.5 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/2/2008  | 14:00 |      | 8        | 170        | 2.8  |      |    |      |    |         |     |     |     |     | 12.8 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/17/2008 | 13:00 |      | 8.1      | 160        | 3.7  |      |    |      |    |         |     |     |     |     | 14.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/15/2008 | 14:00 |      | 7.4      | 170        | 4.7  |      |    |      |    |         |     |     |     |     | 12.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/11/2008  | 12:45 |      | 7.1      | 160        | 15.8 |      |    |      |    |         |     |     |     |     | 10.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/29/2008  | 13:30 |      | 7.7      | 170        | 19   |      |    |      |    |         |     |     |     |     | 8.7  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/23/2008  | 11:00 |      | 8.5      | 90         | 6.2  |      |    |      |    |         |     |     |     |     | 10.5 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/18/2008  | 14:40 |      | 8.2      | 170        | 7.5  |      |    |      |    |         |     |     |     |     | 14.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/26/2008  | 14:30 |      | 8.8      | 190        | 7.5  |      |    |      |    |         |     |     |     |     | 7.9  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/30/2008  | 13:00 |      | 8.1      | 180        | 1    |      |    |      |    |         |     |     |     |     | 9.3  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/16/2007 | 12:30 |      | 8.27     | 150        | 0.7  |      |    |      |    |         |     |     |     |     | 15   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/13/2007 | 13:15 |      | 7.45     | 180        | 1    |      |    |      |    |         |     |     |     |     | 9.9  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/24/2007 | 14:15 |      | 8.6      | 110        | 7.6  |      |    |      |    |         |     |     |     |     | 9.9  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/11/2007  | 13:45 |      | 8.35     | 180        | 17   |      |    |      |    |         |     |     |     |     | 9.8  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/17/2007  | 13:00 |      | 7.74     | 160        | 16.7 |      |    |      |    |         |     |     |     |     | 10.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/15/2007  | 11:25 |      | 7.54     | 80         | 9.8  |      |    |      |    |         |     |     |     |     | 10.3 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/26/2007  | 15:00 |      | 8.18     | 120        | 9.3  |      |    |      |    |         |     |     |     |     | 11.9 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/12/2007  | 11:00 |      | 8.04     | 100        | 4    |      |    |      |    |         |     |     |     |     | 12.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/21/2007  | 11:00 |      | 7.71     | 190        | 3    |      |    |      |    |         |     |     |     |     | 15.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/19/2007  | 12:01 |      | 8.16     | 200        | 1    |      |    |      |    |         |     |     |     |     | 8.7  |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/18/2006 | 10:00 |      | 7.53     | 170        | 0.8  |      |    |      |    |         |     |     |     |     | 29   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO   | Al | As | Cd | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|----------|------------|------|------|----|------|----|---------|-----|-----|-----|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 11/22/2006 | 10:00 |      | 7.6      | 120        | 1.8  |      |    |      |    |         |     |     |     |     | 4.3  |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/27/2006  | 11:30 |      | 8.26     | 150        | 7    |      |    |      |    |         |     |     |     |     | 3.9  |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/21/2006  | 11:30 |      | 7.46     | 140        | 18.5 |      |    |      |    |         |     |     |     |     | 21   |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/28/2006  | 10:15 |      | 7.7      | 80         | 8.5  |      |    |      |    |         |     |     |     |     | 13.1 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/17/2006  | 13:55 |      | 7.93     | 120        | 6.9  |      |    |      |    |         |     |     |     |     | 14.1 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/27/2006  | 14:00 |      | 8.3      | 160        | 8    |      |    |      |    |         |     |     |     |     | 5.2  |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/22/2006  | 14:15 |      | 7.62     | 180        | 1    |      |    |      |    |         |     |     |     |     | 12.7 |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/27/2006  | 9:00  |      | 8.94     | 320        | 3    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/5/2005  | 1:00  |      | 8.24     | 210        | 10.2 |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/7/2005  | 1:00  |      | 8.22     | 120        | 14.3 |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/17/2005 | 11:40 |      | 8.69     | 160        | 15.2 |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/22/2005  | 13:20 |      | 8.63     | 180        | 18.2 |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/5/2005   | 15:00 |      | 9.21     | 140        | 21   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/25/2005  | 14:15 |      | 8.34     | 130        | 18   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/15/2005  | 9:55  |      | 8.48     | 90         | 10   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/9/2005   | 13:25 |      | 8.24     | 80         | 12   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/18/2005  | 10:30 |      | 7.99     | 120        | 5    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/29/2005  | 9:00  |      | 8.64     | 140        | 6    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/22/2005  | 10:50 |      | 8.22     | 180        | 5    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/19/2005  | 10:30 |      | 8.5      | 150        | 1    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/13/2004 | 11:00 |      | 8.27     | 160        | 3    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/15/2004 | 10:30 |      | 8.02     | 150        | 6    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/8/2004  | 14:05 |      | 8.61     | 170        | 13   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/27/2004  | 23:20 |      | 8.9      | 160        | 10   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/20/2004  | 10:10 |      | 8.61     | 90         | 8    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/14/2004  | 14:25 |      | 8.63     | 130        | 12   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/12/2004  | 13:30 |      | 9.06     | 170        | 8    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/26/2004  | 13:45 |      | 8.5      | 200        | 4    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/27/2004  | 11:00 |      | 8.5      | 280        | 1    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/5/2003  | 10:15 |      | 8        | 280        | 2    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/13/2003 | 14:00 |      | 7.9      | 150        | 11   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/17/2003  | 13:45 |      | 9.33     | 160        | 15   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/28/2003  | 12:15 |      | 9.7      | 150        | 17   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/13/2003  | 11:55 |      | 8.23     | 110        | 8    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/10/2003  | 13:00 |      | 9.07     | 150        | 10   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/27/2003  | 9:00  |      | 9.1      | 130        | 5    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

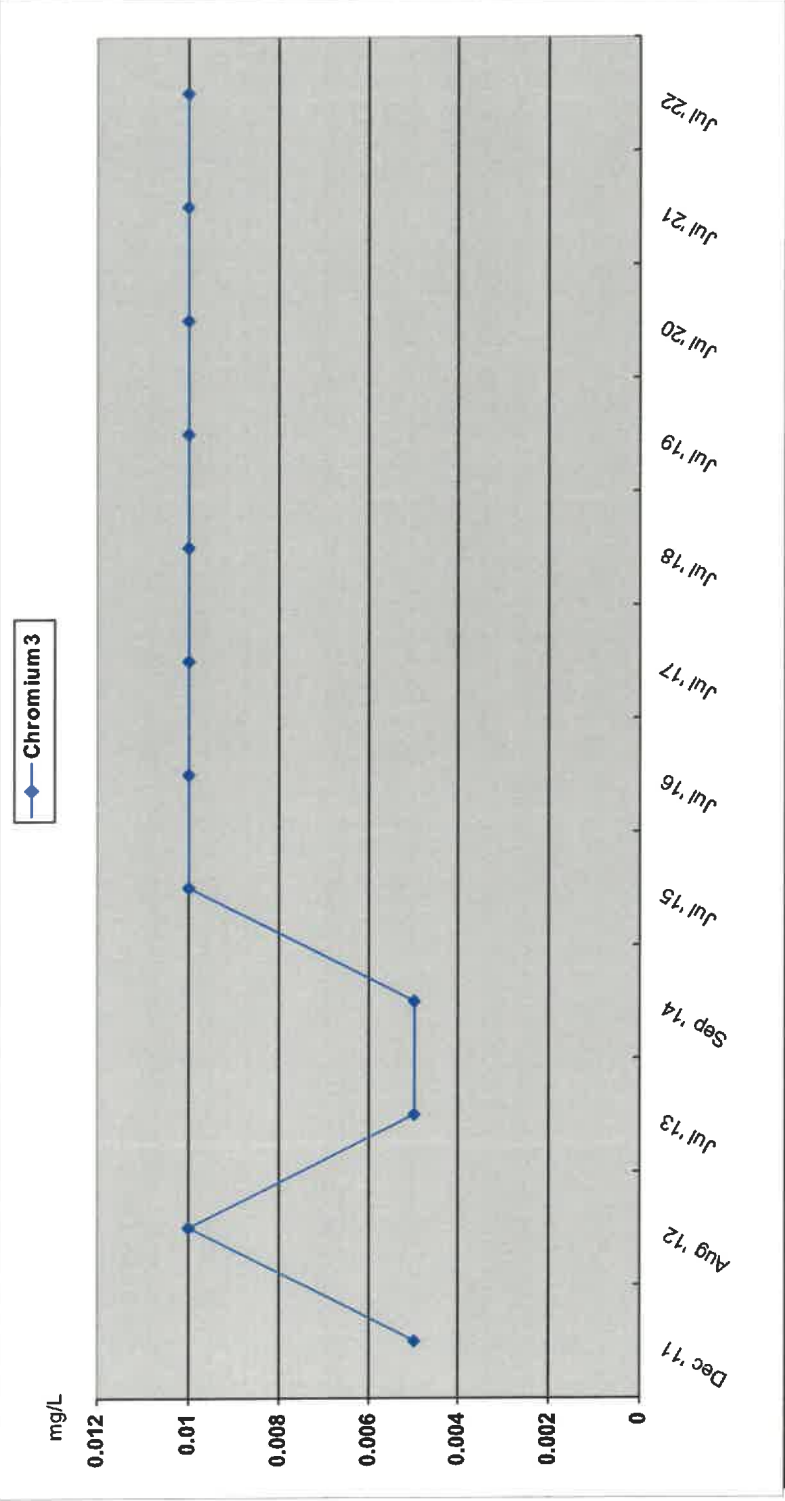
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO | Al | As | Cd | Ca | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|-----|------|----|------|----|---------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|--|
| 2/20/2003  | 15:20 |      | 9.01     | 280        | 3   |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 0      | 0     |        |  |
| 1/15/2003  | 9:00  |      | 8.6      | 300        | 1   |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 0      | 0     |        |  |
| 12/10/2002 |       |      | 9.16     | 300        | 2   |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 0      | 0     |        |  |
| 11/11/2002 |       |      | 8.4      | 200        | 1   |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 0      | 0     |        |  |
| 9/6/2002   |       |      | 9.1      | 200        | 16  |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 0      | 0     |        |  |
| 7/20/2002  |       |      | 7.6      | 200        | 21  |      |    |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 0      | 0     |        |  |

# MONITORING CHART FOR 2022 AHR

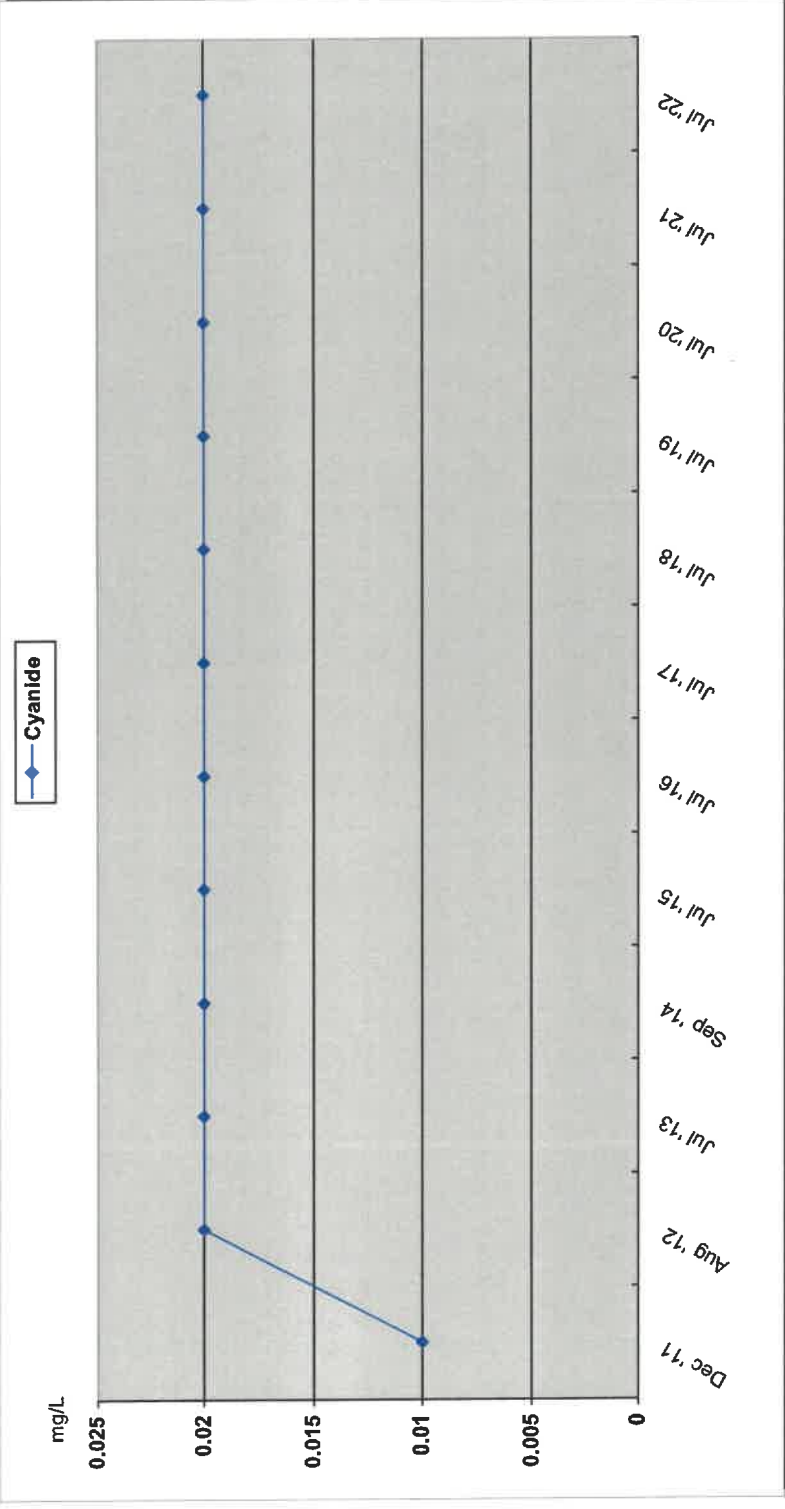
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

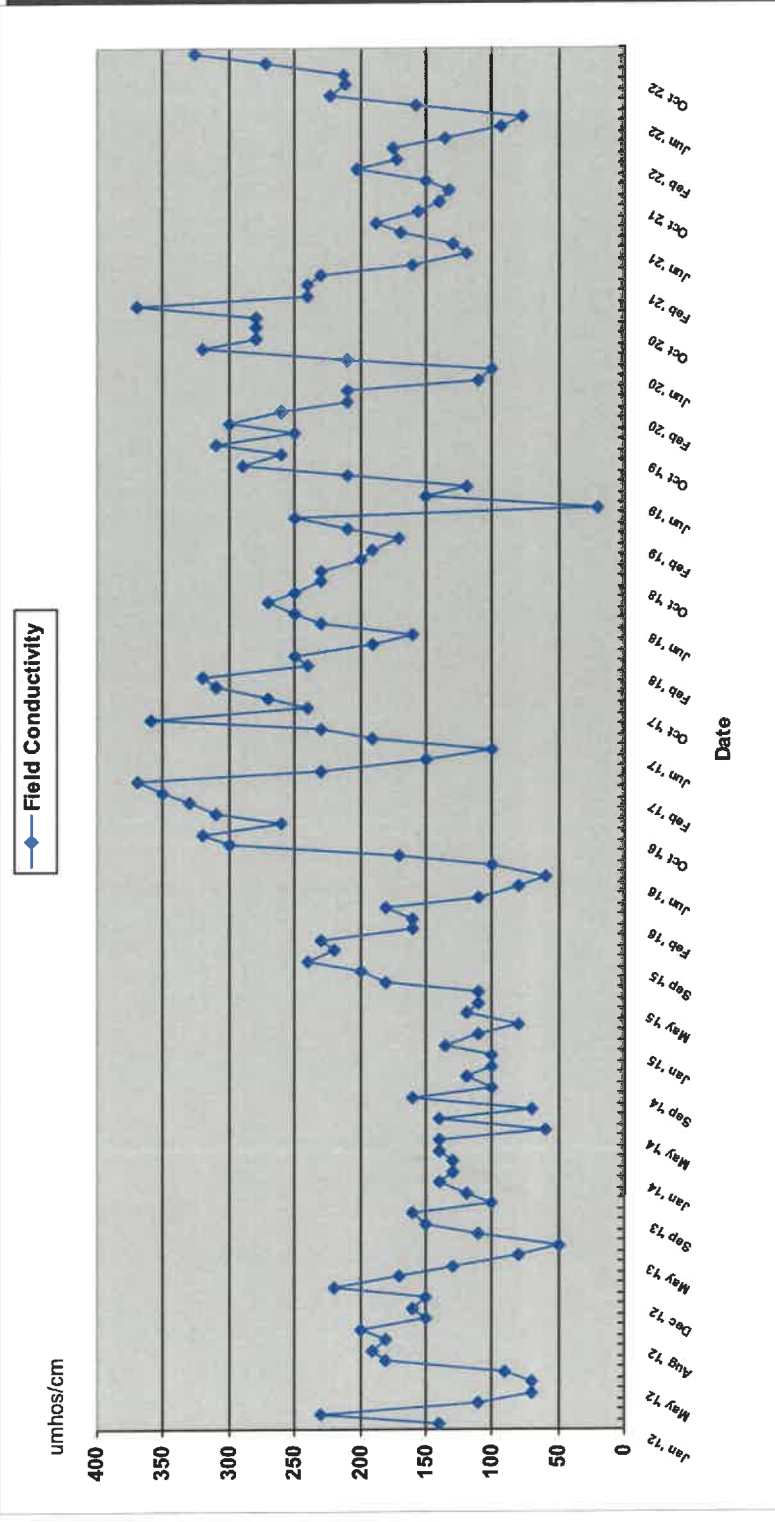
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

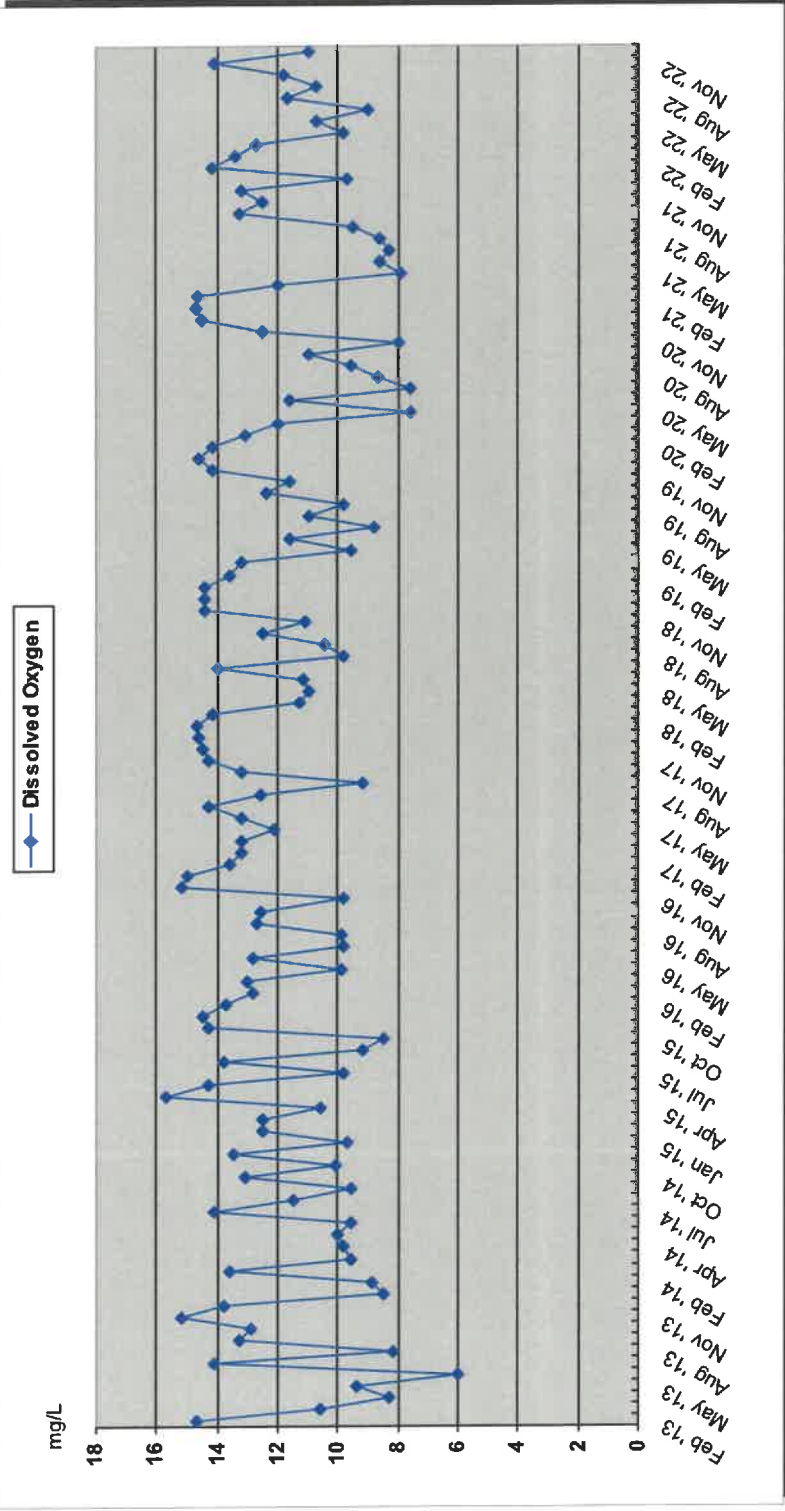
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC, Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

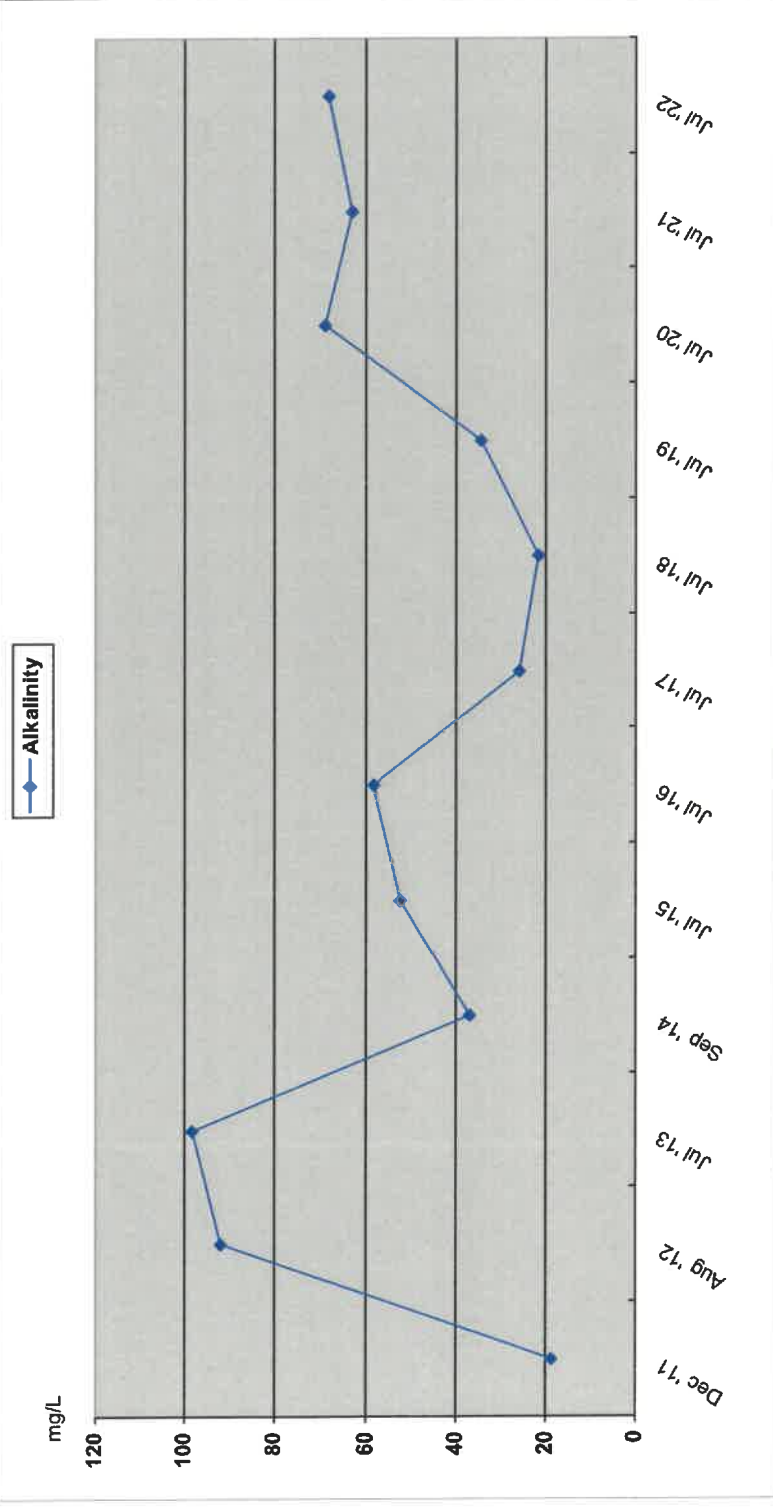
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

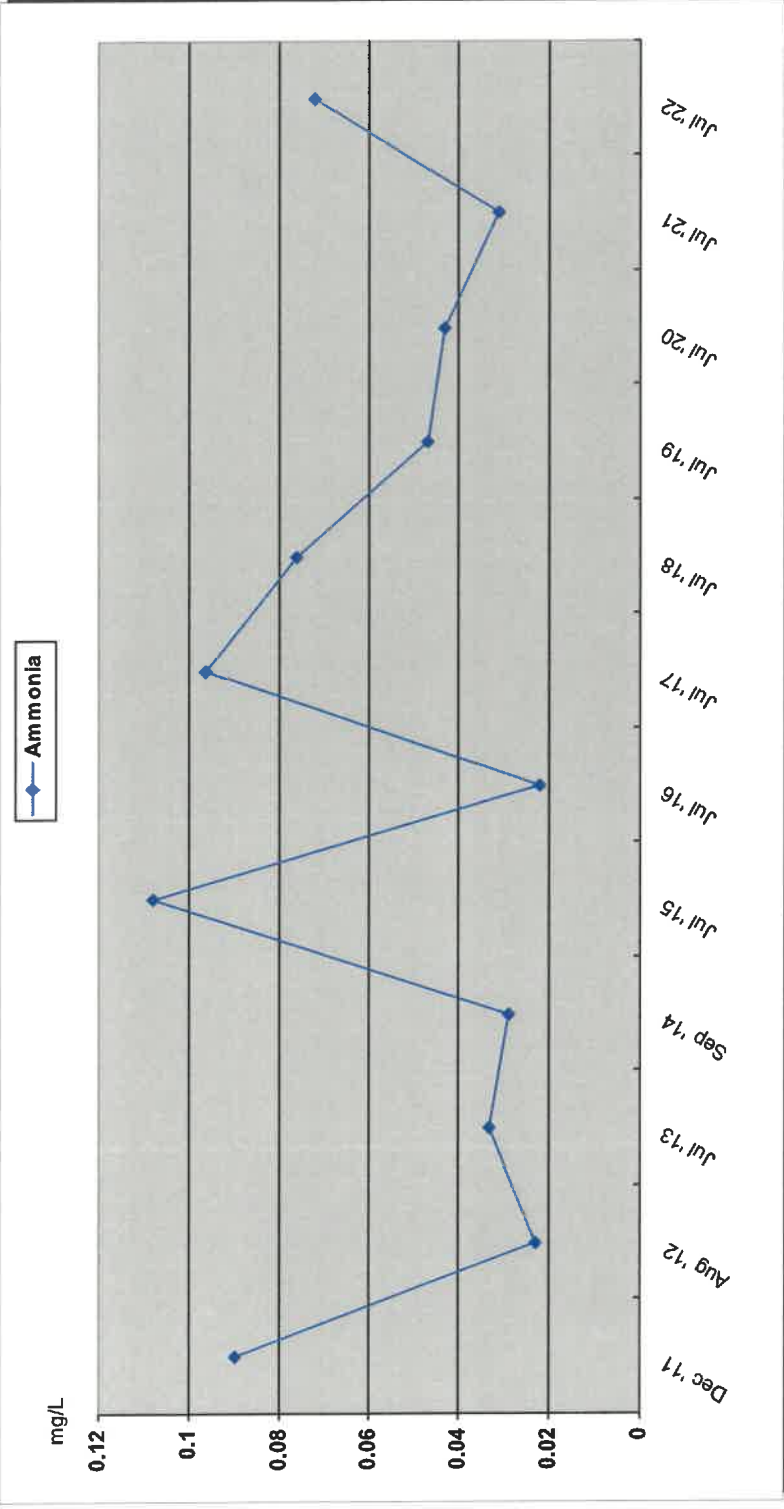
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

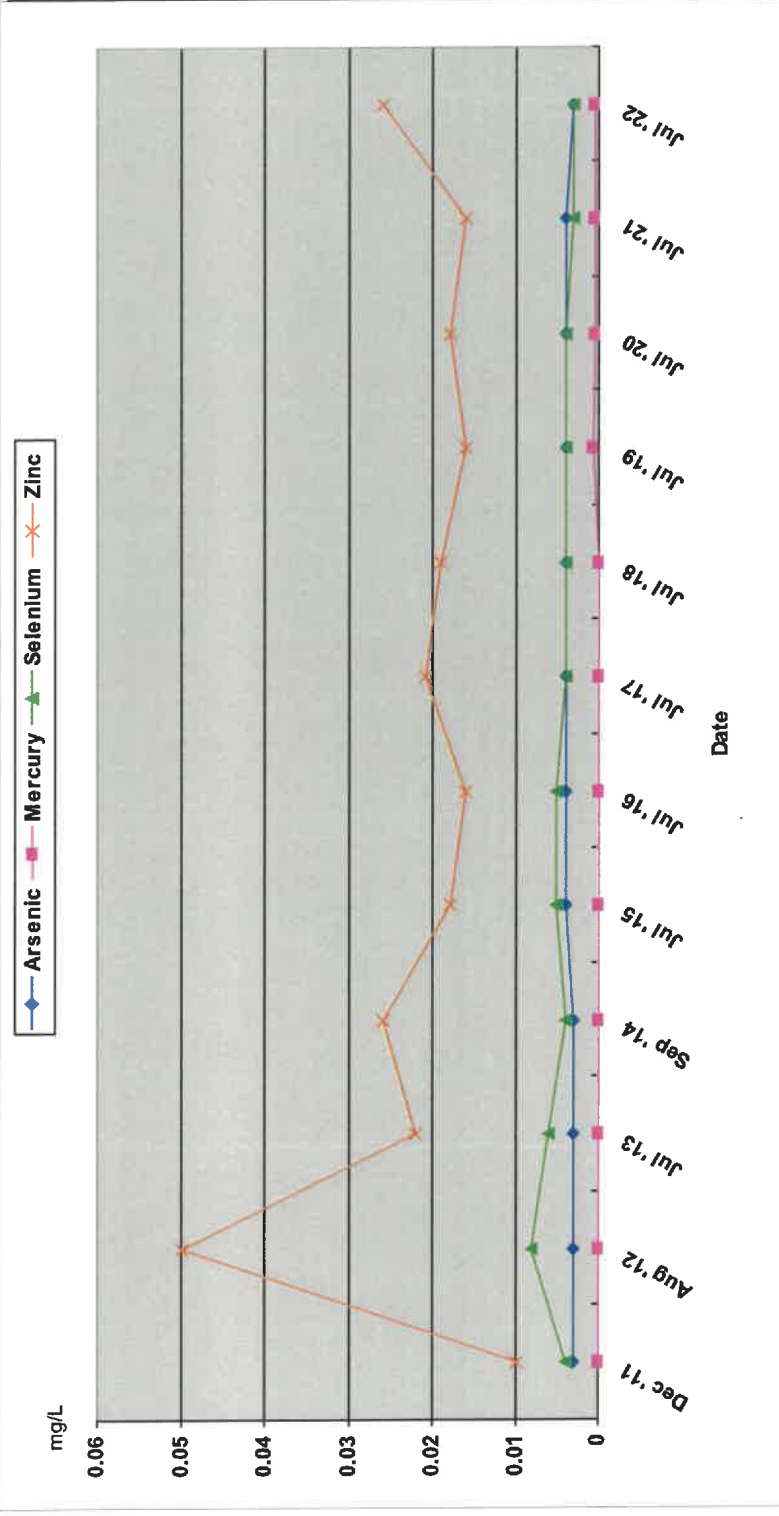
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

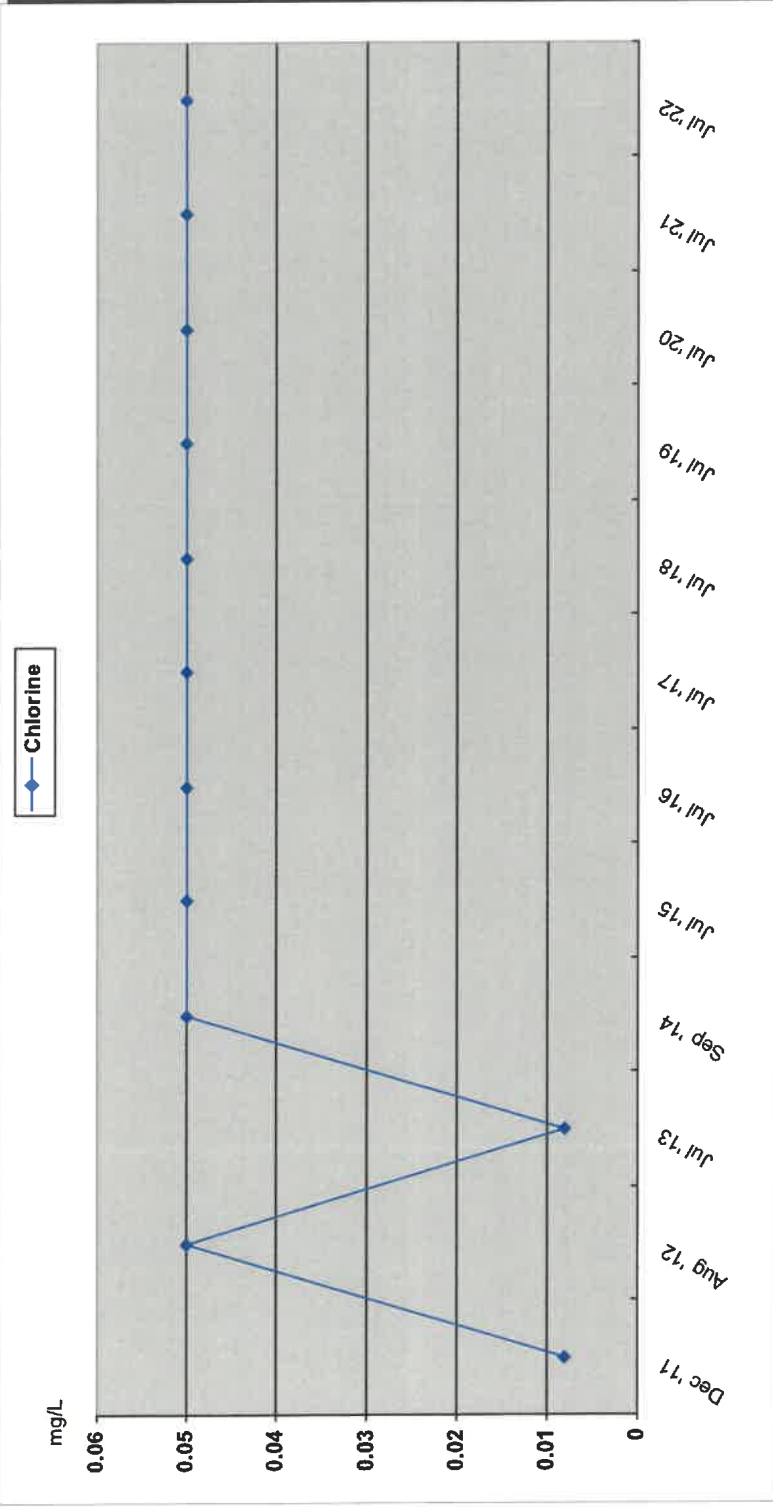
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-1



# MONITORING CHART FOR 2022 AHR

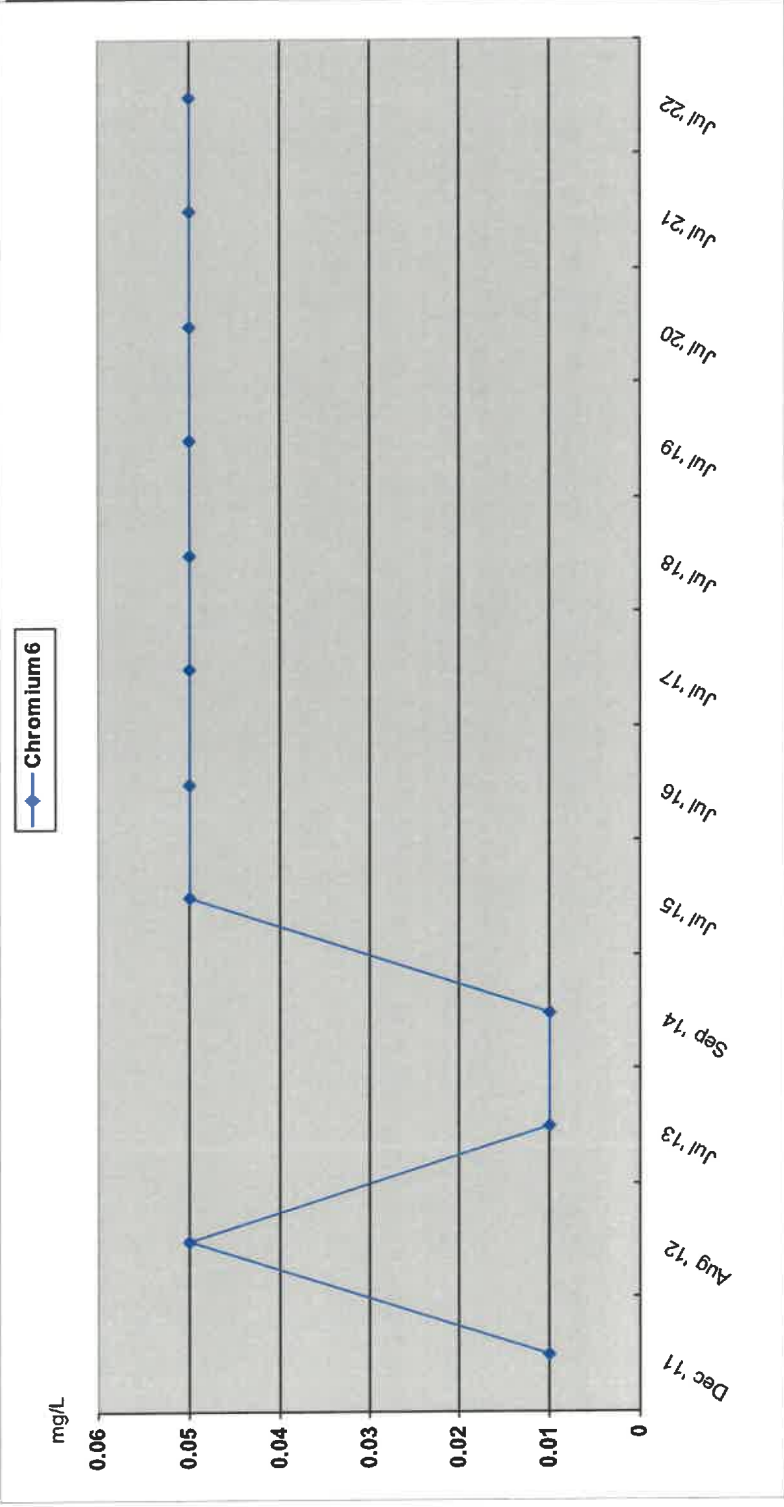
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC, Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

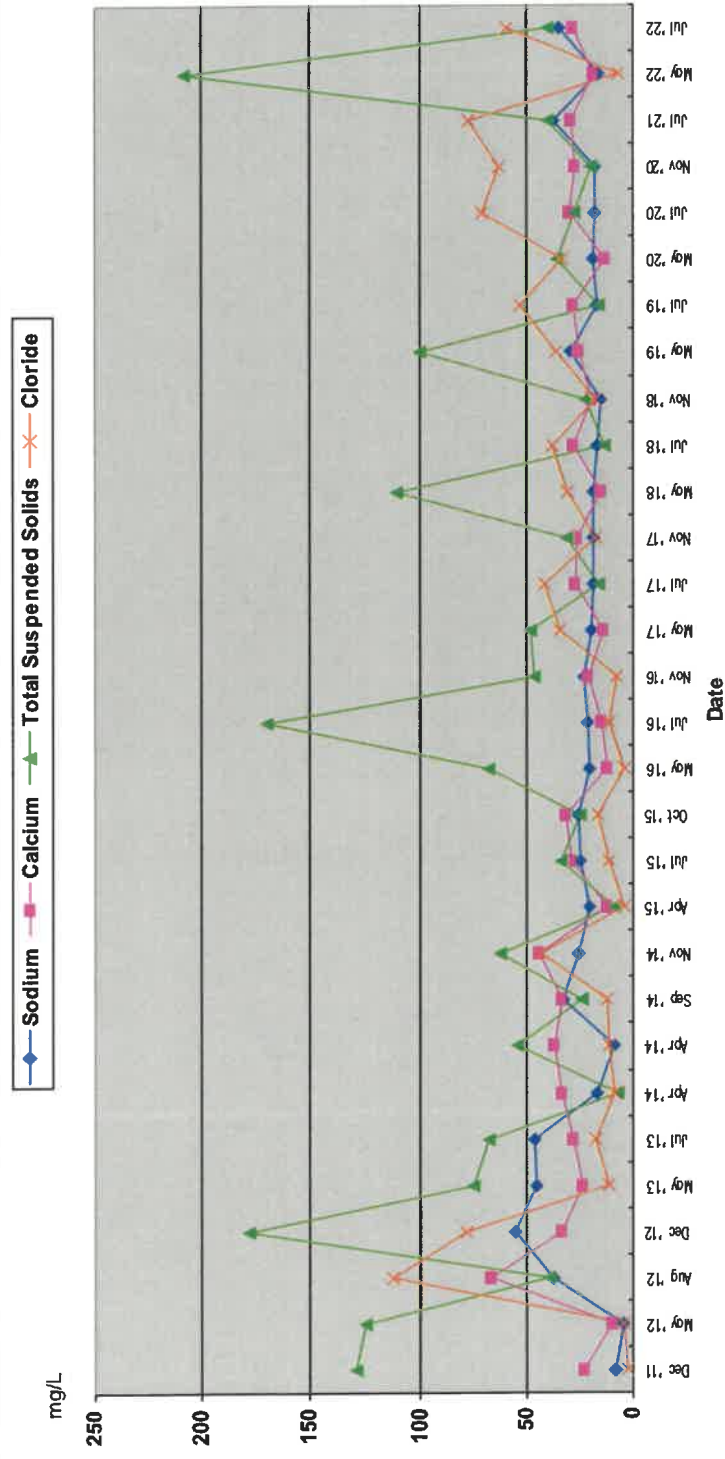
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC, Elk Creek Mine  
Date : 17-Feb-23

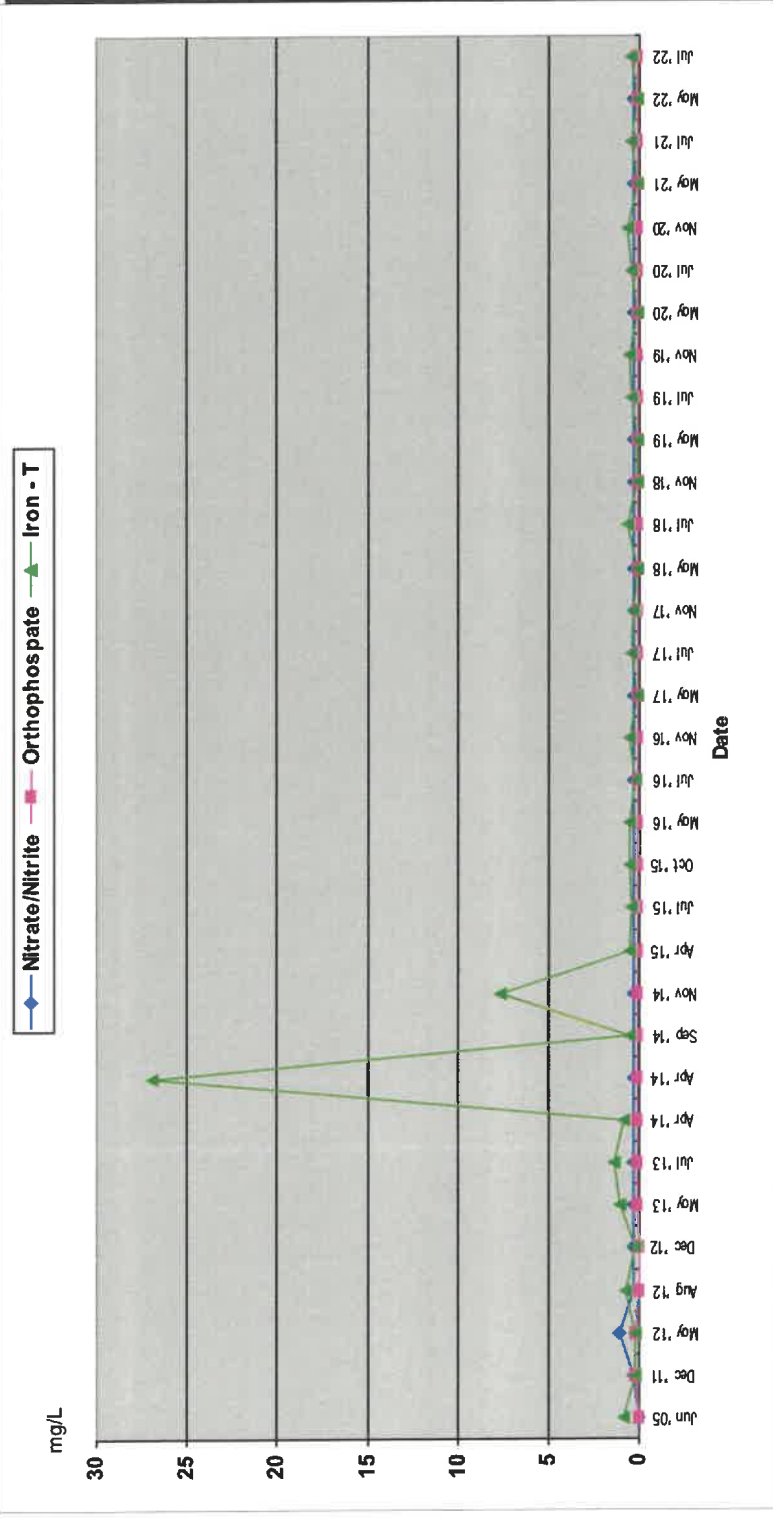
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-1



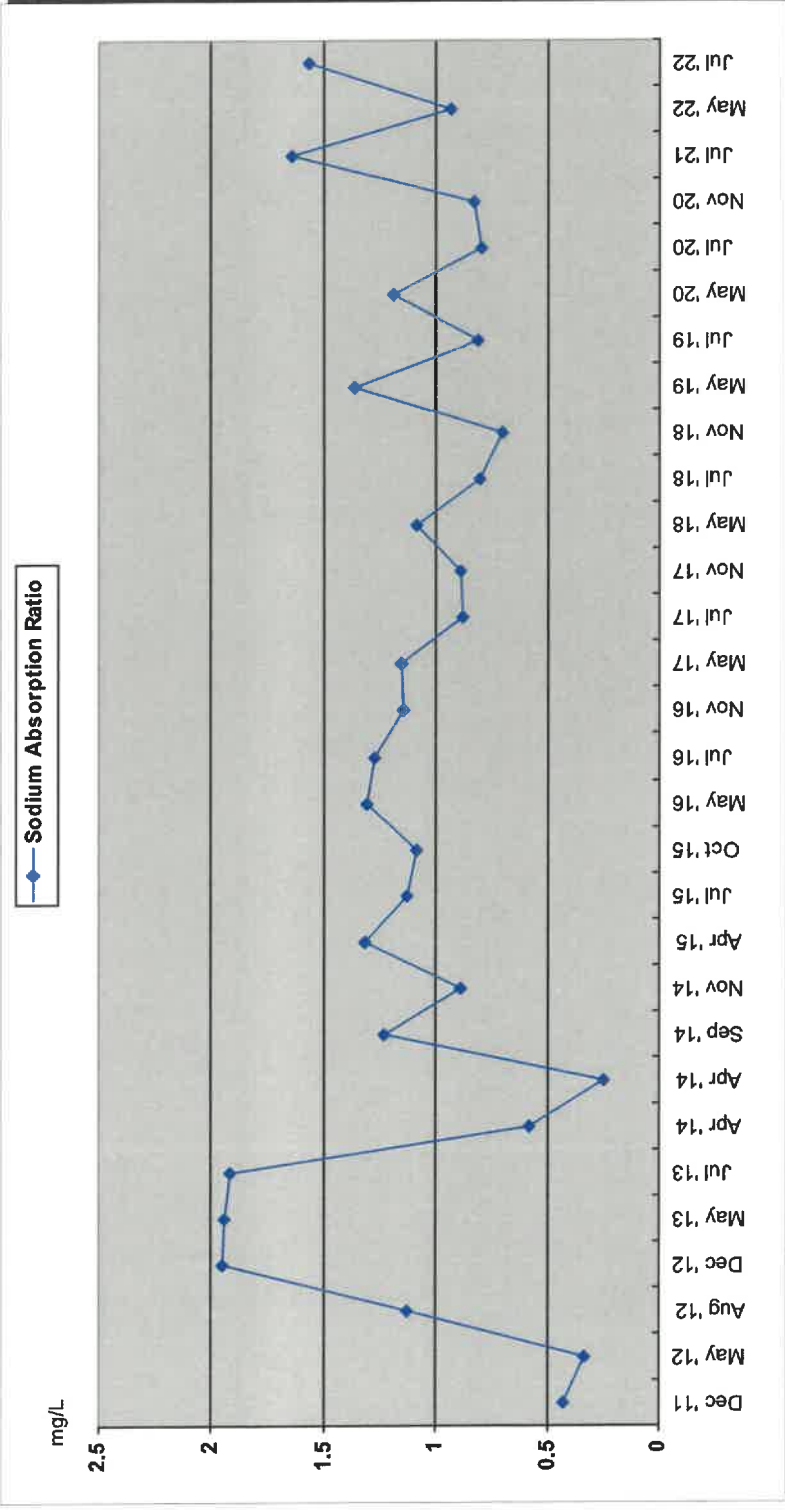
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-1



# MONITORING CHART FOR 2022 AHR

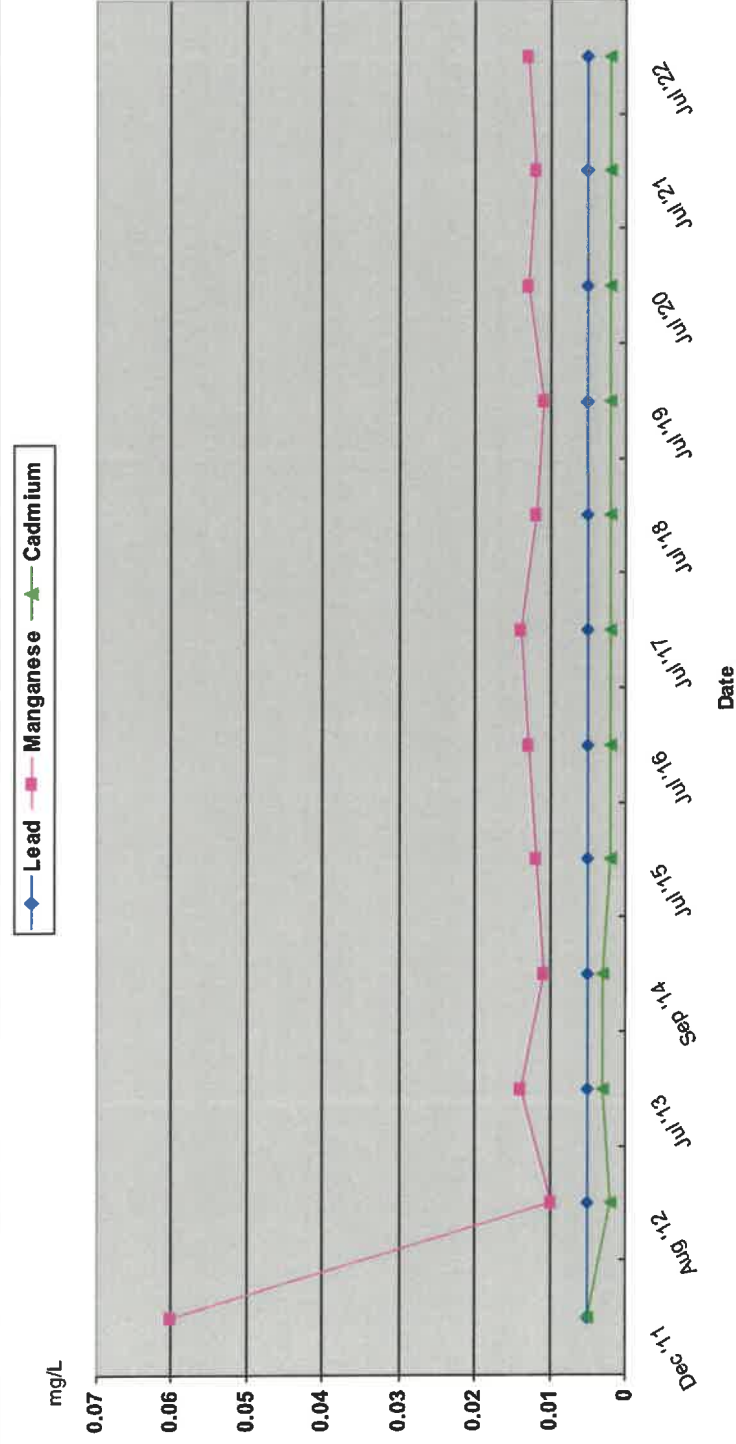
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

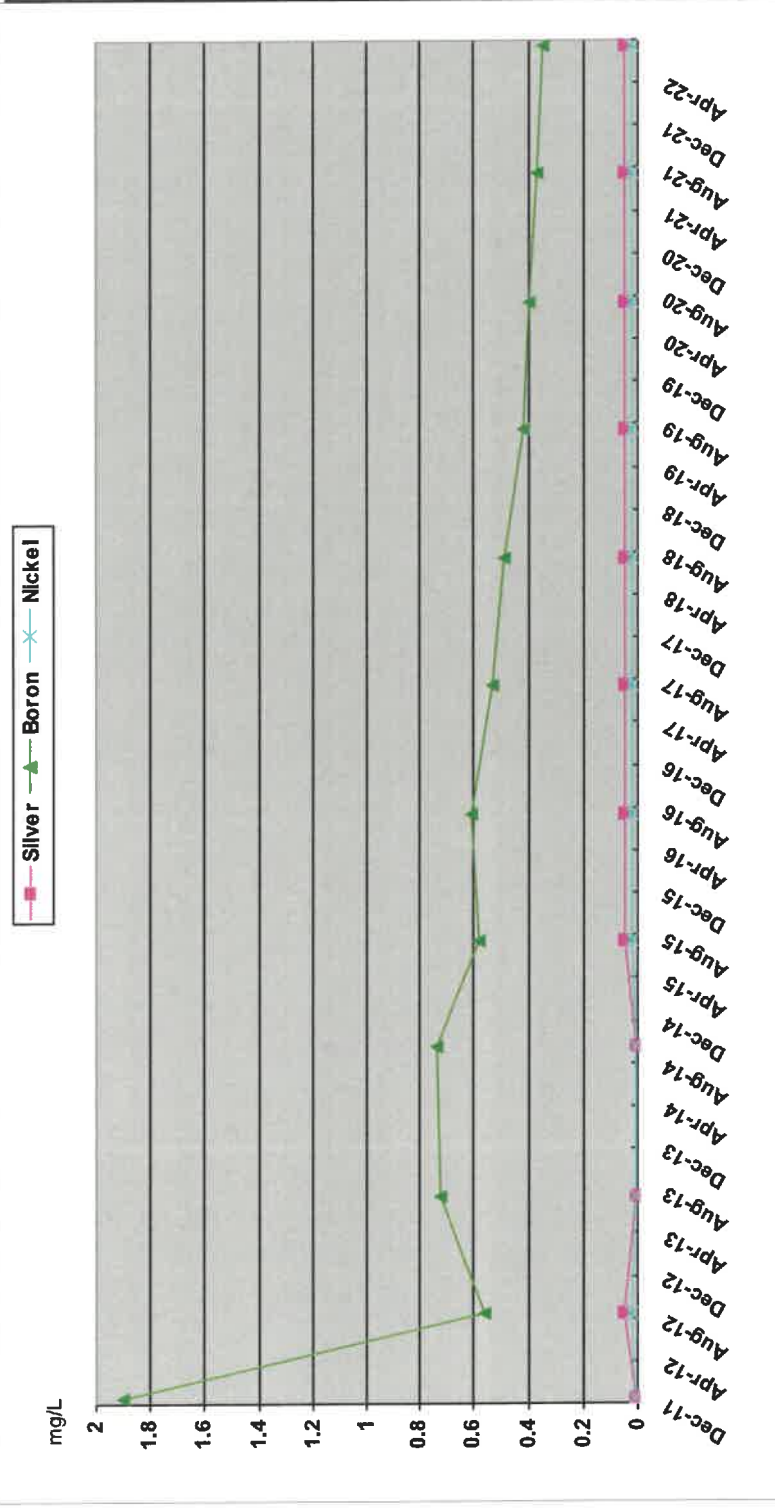
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-1



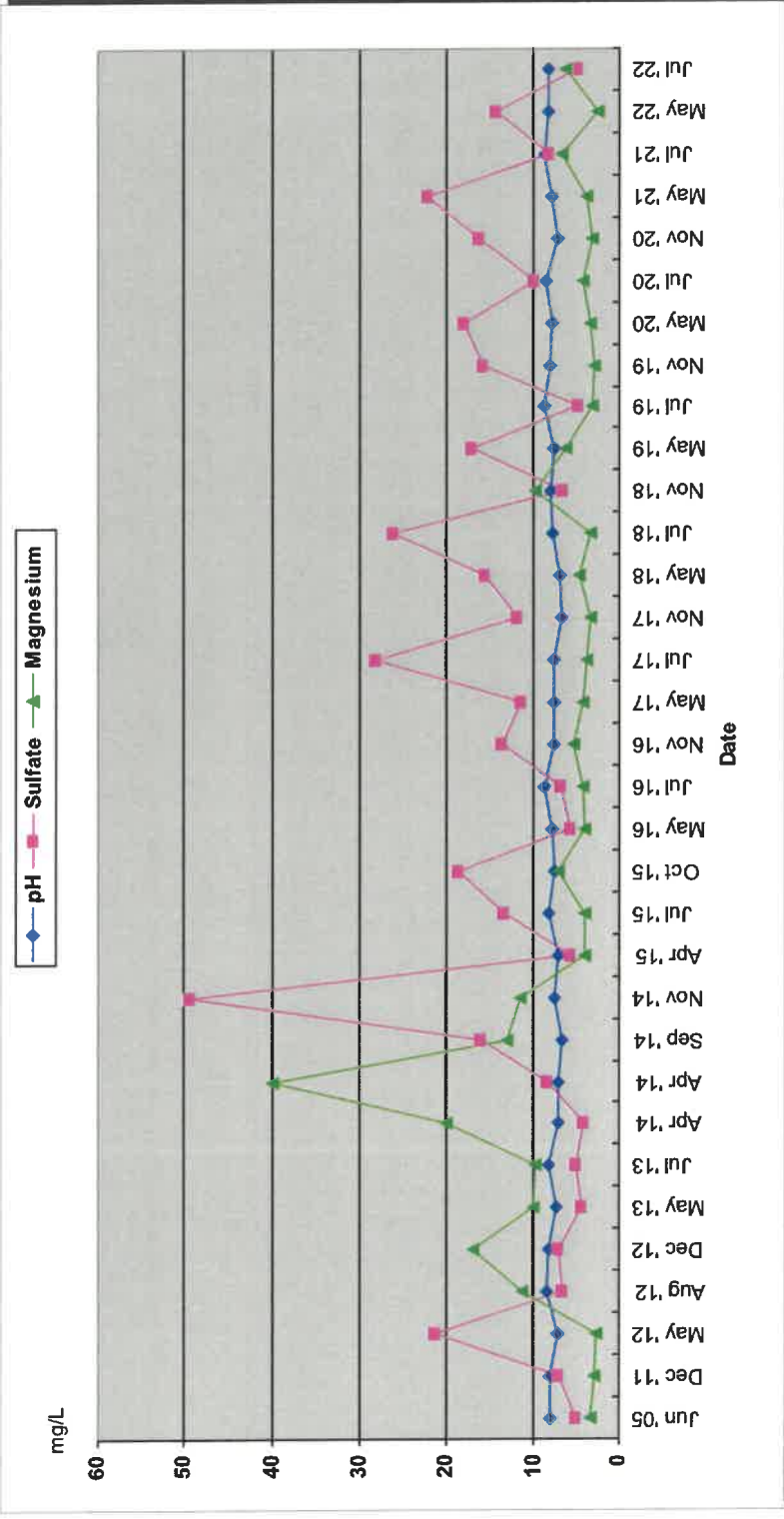
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-1



# MONITORING CHART FOR 2022 AHR

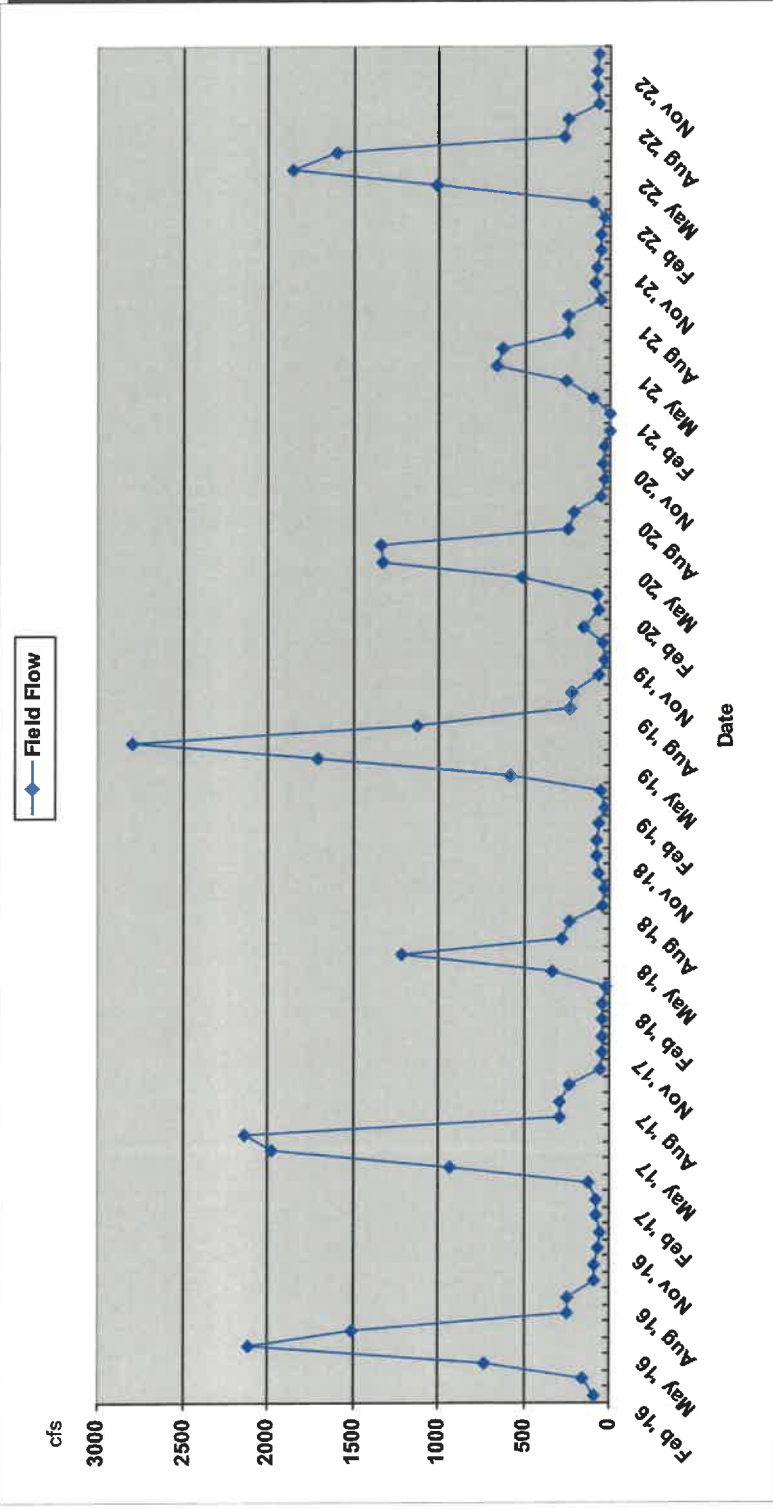
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

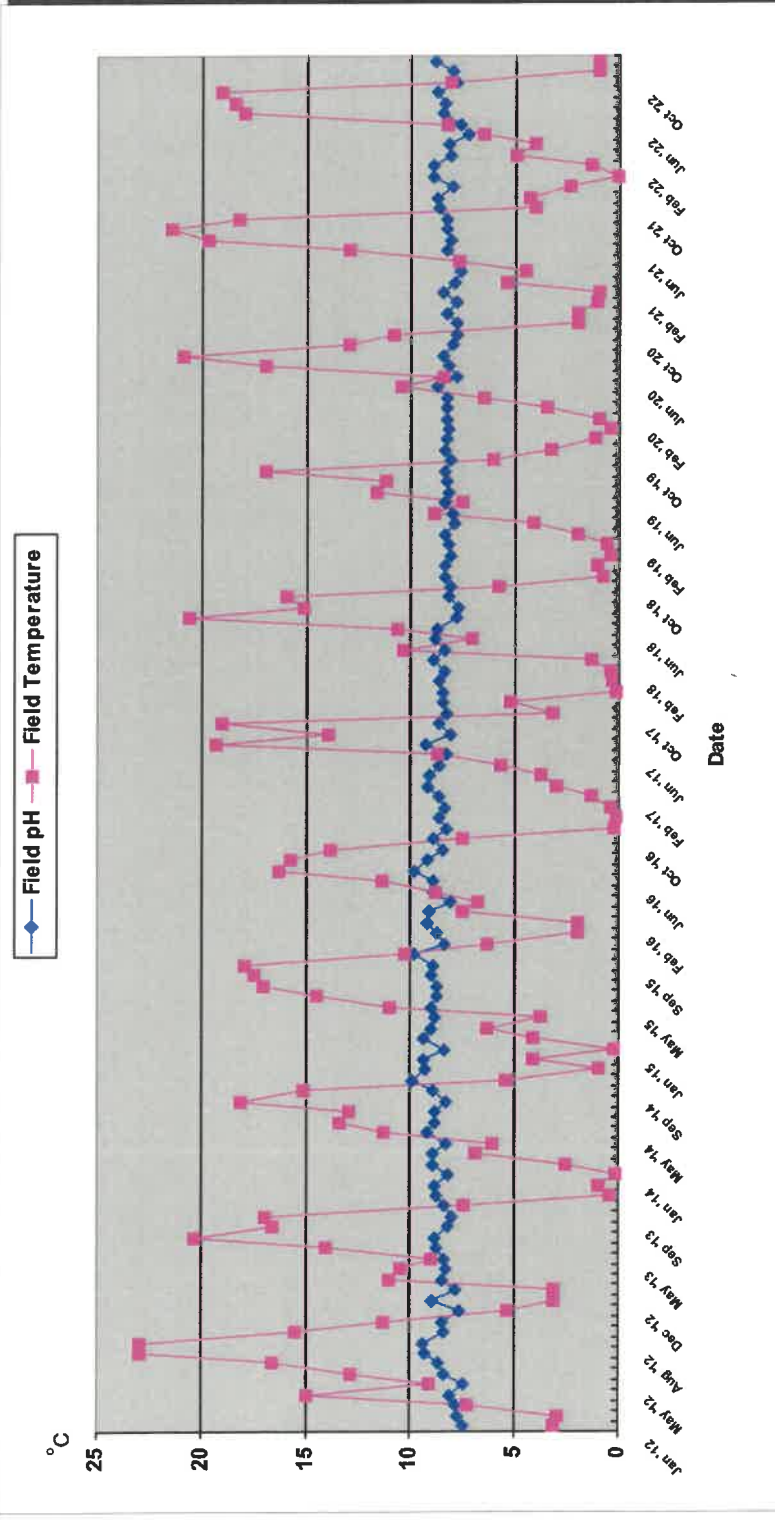
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

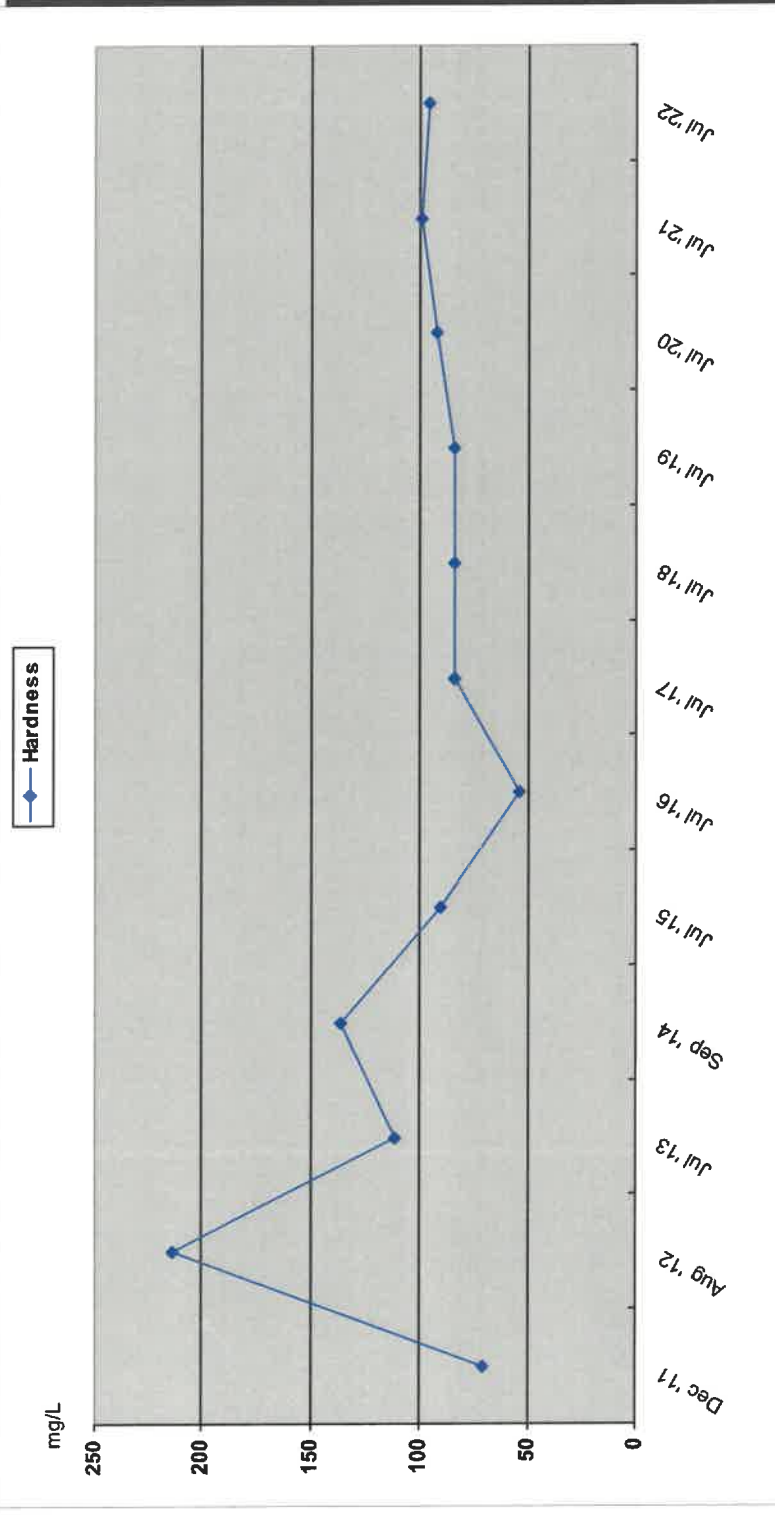
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

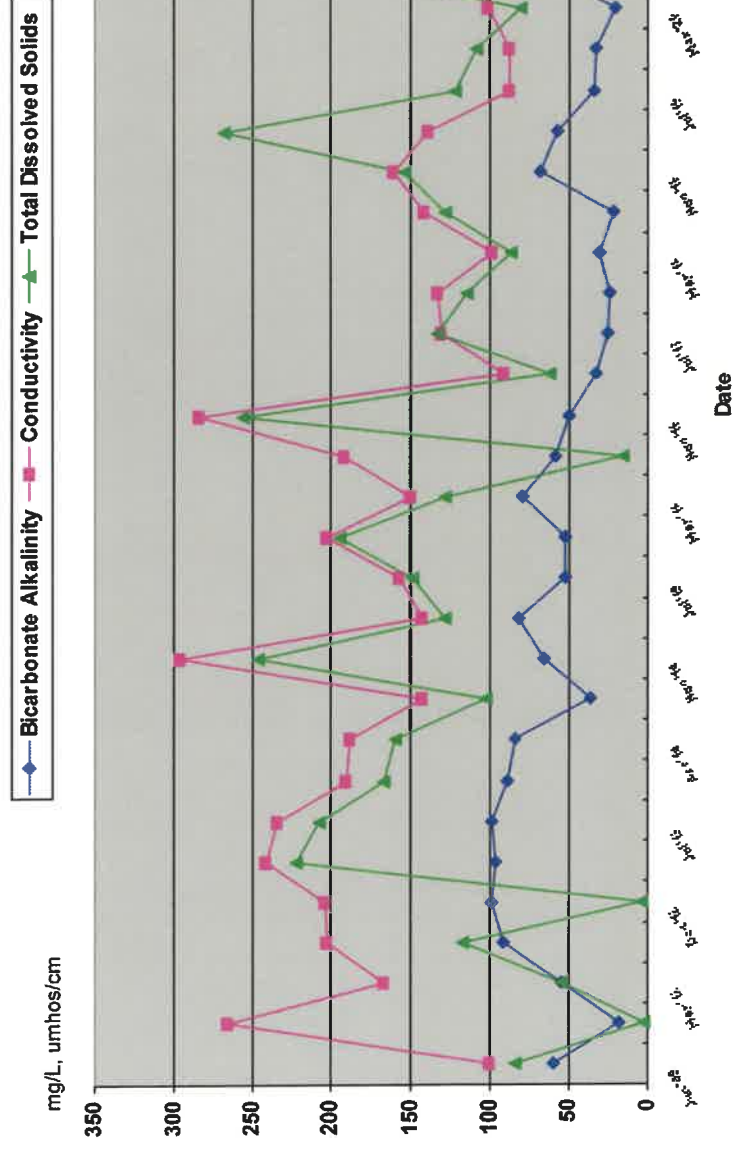
SURFACE WATER LOCATION: NF-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-1



NF-3 LOWER N.F. GUNNISON RIVER

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond | Cl    | NO3 | NO2   | SO4 | TSS | TDS  | PO4  | DO   | Al | As    | Cd    | Ca    | Cu | Pb    | Mg  | Mn    | Hg      | Mo | Se    | Na    | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|------|----------|------------|------|-------|------|------|-------|-----|-------|-----|-----|------|------|------|----|-------|-------|-------|----|-------|-----|-------|---------|----|-------|-------|-------|-----|--------|-------|--------|
| 12/7/2022  | 14:20 | 70   | 8.8      | 310        | 1    |       |      |      |       |     |       |     |     |      |      | 14.6 |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 11/15/2022 | 14:20 | 75   | 7.9      | 271        | 0.6  |       |      |      |       |     |       |     |     |      |      | 14.4 |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 10/12/2022 | 12:10 | 80.9 | 8        | 223        | 7.4  |       |      |      |       |     |       |     |     |      |      | 11.3 |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 9/8/2022   | 14:30 | 74   | 8.8      | 229        | 19.1 |       |      |      |       |     |       |     |     |      |      | 10.4 |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 8/12/2022  | 12:00 | 252  | 8.5      | 223        | 17.7 |       |      |      |       |     |       |     |     |      |      | 12   |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 7/18/2022  | 14:15 | 272  | 8.5      | 162        | 18   | 78.4  | 8.20 | 151  | 59.99 | 0.3 | 7.88  | 28  | 234 | 0.08 | 8.9  |      |    | 0.003 | 0.002 | 29.2  |    | 0.005 | 7.1 | 0.015 | 0.00049 |    | 0.003 | 37.58 | 0.033 |     | 0      | 0.456 | 0.051  |
| 6/7/2022   | 10:25 | 1600 | 7.5      | 75         | 8.6  |       |      |      |       |     |       |     |     |      | 12   |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 5/9/2022   | 12:55 | 1840 | 7.4      | 96         | 6.6  | 24.76 | 8.09 | 171  | 4.7   | 0.3 | 14.82 | 194 | 160 | 0.08 | 10   |      |    |       |       | 18.5  |    |       | 4.7 |       |         |    | 17.9  |       |       |     | 0      | 0.073 | 0.041  |
| 4/26/2022  | 10:38 | 1020 | 8.3      | 139        | 4    |       |      |      |       |     |       |     |     |      | 13.2 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 3/24/2022  | 14:00 | 104  | 8.1      | 172        | 5    |       |      |      |       |     |       |     |     |      | 13.4 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 2/28/2022  | 15:00 | 33.8 | 8.7      | 172        | 1    |       |      |      |       |     |       |     |     |      | 14.9 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 1/31/2022  | 11:20 | 60   | 8.5      | 207        | 0.1  |       |      |      |       |     |       |     |     |      | 9.7  |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 12/2/2021  | 12:15 | 55.6 | 8        | 163        | 0.3  |       |      |      |       |     |       |     |     |      | 12.9 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 11/8/2021  | 13:00 | 80.9 | 8.5      | 142        | 4.3  |       |      |      |       |     |       |     |     |      | 13.1 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 10/21/2021 | 12:45 | 85.7 | 8.5      | 143        | 4.1  |       |      |      |       |     |       |     |     |      | 13.2 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 9/20/2021  | 15:15 | 59.4 | 8.4      | 162        | 17.6 |       |      |      |       |     |       |     |     |      | 9.5  |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 8/12/2021  | 15:00 | 238  | 8.3      | 178        | 22   |       |      |      |       |     |       |     |     |      | 8.6  |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 7/26/2021  | 14:05 | 248  | 8.3      | 165        | 20   | 67.65 | 8.71 | 257  | 78.49 | 0.3 | 11.52 | 46  | 160 | 0.08 | 8.4  |      |    | 0.004 | 0.002 | 32.9  |    | 0.005 | 8.3 | 0.014 | 0.00057 |    | 0.003 | 40.73 | 0.042 |     | 0      | 0.516 | 0.059  |
| 6/11/2021  | 14:15 | 629  | 8.3      | 130        | 13   |       |      |      |       |     |       |     |     |      | 8.6  |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 5/18/2021  | 11:30 | 646  | 7.7      | 120        | 7.3  | 24.76 | 7.75 | 108  | 47.49 | 0.3 | 16.46 | 62  | 134 | 0.08 | 8.1  |      |    |       |       | 18.2  |    |       | 4.7 |       |         |    | 20    |       |       |     | 0      | 0.097 | 0.066  |
| 4/12/2021  | 12:15 | 262  | 7.5      | 150        | 4.5  |       |      |      |       |     |       |     |     |      | 13   |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 3/18/2021  | 11:40 | 94.2 | 7.9      | 230        | 5.4  |       |      |      |       |     |       |     |     |      | 14.6 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 2/24/2021  | 14:30 | 3.4  | 8.3      | 300        | 1    |       |      |      |       |     |       |     |     |      | 14.4 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 1/21/2021  | 11:45 | 2.1  | 7.8      | 290        | 1.1  |       |      |      |       |     |       |     |     |      | 14.1 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 12/3/2020  | 15:15 | 30.5 | 8.3      | 380        | 2    |       |      |      |       |     |       |     |     |      | 12.5 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 11/17/2020 | 13:00 | 45   | 7.8      | 310        | 2    | 79.63 | 7.05 | 211  | 65.8  | 0.3 | 22.18 | 12  | 174 | 0.08 | 8.1  |      |    |       |       | 29.3  |    |       | 3.4 |       |         |    |       |       |       |     | 0      | 0.527 | 0.074  |
| 10/6/2020  | 11:45 | 33.9 | 8        | 280        | 10.6 |       |      |      |       |     |       |     |     |      | 11.2 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 9/15/2020  | 11:45 | 60.9 | 8.1      | 280        | 13   |       |      |      |       |     |       |     |     |      | 10.4 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 8/12/2020  | 13:45 | 221  | 8.4      | 320        | 21   |       |      |      |       |     |       |     |     |      | 8.8  |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 7/13/2020  | 15:15 | 250  | 8.3      | 210        | 17   | 74.07 | 8.39 | 112  | ##### | 0.3 | 7     | 24  | 168 | 0.08 | 7    |      |    | 0.004 | 0.002 | 32.84 |    | 0.005 | 5.5 | 0.015 | 0.0006  |    | 0.004 | 19.37 | 0.051 |     | 0      | 0.498 | 0.064  |
| 6/2/2020   | 9:30  | 1330 | 7.7      | 110        | 8.5  |       |      |      |       |     |       |     |     |      | 11.3 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 5/18/2020  | 12:55 | 1340 | 8.4      | 120        | 10   | 23.84 | 7.78 | 122  | 27.17 | 0.3 | 36.12 | 58  | 108 | 0.08 | 8.4  |      |    |       |       | 17.3  |    |       | 4.4 |       |         |    | 20    |       |       |     | 0      | 0.085 | 0.066  |
| 4/27/2020  | 11:41 | 512  | 8.3      | 210        | 6.5  |       |      |      |       |     |       |     |     |      | 12   |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 3/18/2020  | 11:45 | 80.5 | 8.2      | 210        | 3.5  |       |      |      |       |     |       |     |     |      | 13.1 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 2/21/2020  | 11:15 | 62   | 8.2      | 280        | 1    |       |      |      |       |     |       |     |     |      | 14.4 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |
| 1/9/2020   | 12:00 | 155  | 8.2      | 290        | 0.5  |       |      |      |       |     |       |     |     |      | 14.6 |      |    |       |       |       |    |       |     |       |         |    |       |       |       |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | pH  | Field Cond | Tem  | HCO3  | pH   | Cond | CI    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As    | Cd    | Ca    | Cu | Pb     | Mg  | Mn    | Hg      | Mo | Se    | Na    | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|-----|------------|------|-------|------|------|-------|---------|-------|-----|-----|------|------|----|-------|-------|-------|----|--------|-----|-------|---------|----|-------|-------|-------|-----|--------|-------|--------|
| 12/9/2019  | 11:30 | 48.3 | 8.2 | 250        | 1.1  |       |      |      |       |         |       |     |     |      | 14.2 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 11/18/2019 | 14:15 | 35   | 8.3 | 310        | 3.3  | 36.54 | 7.94 | 77   | 48.63 | 0.3     | 19.76 | 10  | 94  | 0.08 | 10.5 |    |       |       |       |    |        | 3.2 |       |         |    |       |       |       |     |        | 0.466 | 0.067  |
| 10/17/2019 | 13:30 | 72   | 8.2 | 290        | 6.1  |       |      |      |       |         |       |     |     |      | 12.4 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 8/20/2019  | 10:15 | 241  | 8.2 | 210        | 11.2 |       |      |      |       |         |       |     |     |      | 11.1 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 7/10/2019  | 12:45 | 1110 | 8.1 | 120        | 11.7 | 32.81 | 8.52 | 75   | 60.54 | 0.3     | 5.76  | 8   | 88  | 0.08 | 8.7  |    | 0.004 | 0.002 | 29.1  |    | 0.0005 | 3.5 | 0.012 | 0.0006  |    | 0.004 | 18.9  | 0.06  |     |        | 0.401 | 0.056  |
| 6/7/2019   | 11:15 | 2720 | 8.4 | 130        | 7.9  | 61.11 | 7.52 | 138  | 40.33 | 0.3     | 14.82 | 108 | 272 | 0.08 | 9.7  |    |       |       | 27.1  |    |        | 7.4 |       |         |    |       | 31.3  |       |     |        | 0.097 | 0.032  |
| 5/13/2019  | 14:15 | 1660 | 8   | 20         | 9.6  |       |      |      |       |         |       |     |     |      | 13.4 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 4/12/2019  | 11:20 | 586  | 7.8 | 250        | 4.1  |       |      |      |       |         |       |     |     |      | 14.1 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 3/15/2019  | 13:45 | 51   | 8.1 | 210        | 2    |       |      |      |       |         |       |     |     |      | 14.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 2/26/2019  | 9:00  | 30   | 8.1 | 140        | 0.6  |       |      |      |       |         |       |     |     |      | 14.6 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 1/29/2019  | 14:30 | 68   | 8.1 | 210        | 0.5  |       |      |      |       |         |       |     |     |      | 14.5 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 12/10/2018 | 13:30 | 83   | 8.2 | 220        | 0.4  |       |      |      |       |         |       |     |     |      | 14.5 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 11/14/2018 | 13:45 | 81   | 8.3 | 280        | 0.4  | 77.78 | 7.83 | 167  | 10.02 | 0.3     | 17.74 | 22  | 168 | 0.08 | 11.6 |    |       |       | 19.68 |    |        | 9.3 |       |         |    |       | 23.9  |       |     |        | 0.072 | 0.015  |
| 10/17/2018 | 12:45 | 82.2 | 8.2 | 250        | 6    |       |      |      |       |         |       |     |     |      | 12.5 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 9/18/2018  | 13:50 | 224  | 8.4 | 290        | 17   |       |      |      |       |         |       |     |     |      | 10.1 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 9/14/2018  | 13:37 | 33.7 | 8.3 | 250        | 15.2 |       |      |      |       |         |       |     |     |      | 10.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 8/27/2018  | 10:35 | 46.7 | 7.7 | 280        | 13.7 |       |      |      |       |         |       |     |     |      | 10.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 7/11/2018  | 13:47 | 241  | 7.8 | 250        | 20.9 | 24.25 | 7.69 | 129  | 33.25 | 0.3     | 38.22 | 11  | 106 | 0.08 | 14   |    | 0.004 | 0.002 | 26.33 |    | 0.0005 | 3.9 | 0.012 | 0.00008 |    | 0.004 | 18.55 | 0.019 |     |        | 0.502 | 0.076  |
| 6/22/2018  | 9:36  | 280  | 8.7 | 230        | 10.7 |       |      |      |       |         |       |     |     |      | 11.2 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 5/14/2018  | 10:30 | 1210 | 8.7 | 160        | 7.1  |       |      |      |       |         |       |     |     |      | 12   |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 4/24/2018  | 13:40 | 333  | 8.6 | 190        | 10.4 |       |      |      |       |         |       |     |     |      | 11.5 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 3/8/2018   | 10:30 | 25   | 8.9 | 320        | 1.7  |       |      |      |       |         |       |     |     |      | 15   |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 2/5/2018   | 10:15 | 45   | 8.5 | 280        | 0.1  |       |      |      |       |         |       |     |     |      | 14.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 1/5/2018   | 9:30  | 40   | 8.3 | 350        | 0.3  |       |      |      |       |         |       |     |     |      | 14.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 12/8/2017  | 12:45 | 45   | 8.2 | 340        | 0.1  |       |      |      |       |         |       |     |     |      | 14.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 11/13/2017 | 13:00 | 42.1 | 8.6 | 300        | 4.8  | 27.44 | 6.83 | 140  | 29.76 | 0.3     | 19.35 | 36  | 89  | 0.08 | 13.8 |    |       |       | 25.43 |    |        | 4.1 |       |         |    |       | 21.78 |       |     |        | 0.399 | 0.066  |
| 10/19/2017 | 12:05 | 56.2 | 8.1 | 250        | 4.4  |       |      |      |       |         |       |     |     |      | 12.9 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 9/11/2017  | 11:45 | 233  | 8.4 | 340        | 18.1 |       |      |      |       |         |       |     |     |      | 9.8  |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 8/8/2017   | 10:40 | 289  | 8.1 | 230        | 13.7 |       |      |      |       |         |       |     |     |      | 12.8 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 7/18/2017  | 12:15 | 289  | 9.1 | 190        | 19   | 29.63 | 7.58 | 120  | 28.76 | 0.3     | 45.86 | 10  | 96  | 0.08 | 13.8 |    | 0.004 | 0.002 | 25.69 |    | 0.0005 | 4.4 | 0.015 | 0.00009 |    | 0.004 | 22.44 | 0.021 |     |        | 0.438 | 0.072  |
| 6/6/2017   | 11:15 | 2170 | 8.4 | 100        | 8.9  |       |      |      |       |         |       |     |     |      | 13.4 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 5/17/2017  | 10:15 | 1980 | 8.6 | 160        | 5.6  | 28.6  | 7.39 | 79   | 32.4  | 0.3     | 46.1  | 68  | 54  | 0.08 | 12.7 |    |       |       | 17.8  |    |        | 5.2 |       |         |    |       | 20.9  |       |     |        | 0.111 | 0.087  |
| 4/28/2017  | 11:30 | 937  | 8.1 | 240        | 5.3  |       |      |      |       |         |       |     |     |      | 13   |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 3/8/2017   | 10:45 | 128  | 8.9 | 400        | 2.2  |       |      |      |       |         |       |     |     |      | 13.8 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 2/3/2017   | 11:15 | 83   | 8.7 | 350        | 0.3  |       |      |      |       |         |       |     |     |      | 14.6 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |
| 1/18/2017  | 12:30 | 83   | 8.3 | 330        | 0.8  |       |      |      |       |         |       |     |     |      | 14.7 |    |       |       |       |    |        |     |       |         |    |       |       |       |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | Field | pH  | Field | Cond | Tem | HCO3  | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS  | PO4  | DO   | Al   | As    | Cd    | Ca    | Cu    | Pb   | Mg    | Mn      | Hg    | Mo    | Se    | Na   | Zn   | Oil   | Grease | Fe-Tr | Fe-Dis |
|------------|-------|------|-------|-----|-------|------|-----|-------|------|------|-------|---------|-------|-----|------|------|------|------|-------|-------|-------|-------|------|-------|---------|-------|-------|-------|------|------|-------|--------|-------|--------|
| 12/12/2016 | 11:45 | 60   | 8.6   | 320 | 0.1   |      |     | 58.13 | 7.64 | 278  | 8.39  | 0.3     | 15.64 | 30  | 264  | 0.08 | 9.9  | 14.7 |       |       | 22.6  |       |      | 5.4   |         |       |       |       | 27.3 | 0    | 0     | 0.59   | 0.051 |        |
| 11/29/2016 | 9:45  | 66   | 8.4   | 290 | 0.1   |      |     |       |      |      |       |         |       |     |      |      |      |      |       |       |       |       |      |       |         |       |       |       |      | 0    | 0     |        |       |        |
| 10/28/2016 | 10:35 | 89   | 8.8   | 330 | 7.3   |      |     |       |      |      |       |         |       |     |      |      | 12.2 |      |       |       |       |       |      |       |         |       |       |       |      | 0    | 0     |        |       |        |
| 9/22/2016  | 10:00 | 92   | 8.5   | 310 | 13.6  |      |     |       |      |      |       |         |       |     |      |      | 12.2 |      |       |       |       |       |      |       |         |       |       |       |      | 0    | 0     |        |       |        |
| 8/25/2016  | 11:20 | 241  | 9     | 170 | 15.8  |      |     |       |      |      |       |         |       |     |      |      | 10.1 |      |       |       |       |       |      |       |         |       |       |       |      | 0    | 0     |        |       |        |
| 7/25/2016  | 11:05 | 245  | 9.3   | 120 | 16.8  |      |     | 92.32 | 8.66 | 235  | 15.21 | 0.3     | 11.54 | 18  | 0.06 | 0.08 | 9.6  |      | 0.005 | 0.002 | 16.9  | 0.005 | 4.9  | 0.015 | 0.00011 | 0.005 | 0.08  | 0.023 | 0    | 0    | 0.576 | 0.06   |       |        |
| 6/9/2016   | 22:45 | 1680 | 8.9   | 50  | 9.7   |      |     |       |      |      |       |         |       |     |      |      |      |      |       |       |       |       |      |       |         |       |       |       |      | 0    | 0     |        |       |        |
| 5/23/2016  | 22:20 | 2100 | 8.8   | 70  | 9     |      |     | 85.41 | 7.79 | 169  | 8.53  | 0.3     | 16.88 | 96  | 154  | 0.08 | 10   |      |       |       |       |       | 4.4  |       |         |       |       | 25.6  | 0    | 0    | 0.64  | 0.09   |       |        |
| 4/26/2016  | 13:30 | 746  | 7.9   | 120 | 7.4   |      |     |       |      |      |       |         |       |     |      | 13.6 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 3/10/2016  | 13:25 | 156  | 8.8   | 170 | 7.5   |      |     |       |      |      |       |         |       |     |      | 12.5 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 2/11/2016  | 11:30 | 90   | 8.8   | 160 | 2.5   |      |     |       |      |      |       |         |       |     |      | 15.2 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 12/10/2015 | 9:00  |      | 8.8   | 170 | 2     |      |     |       |      |      |       |         |       |     |      | 14.7 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 11/8/2015  | 13:25 |      | 8.4   | 220 | 6.3   |      |     |       |      |      |       |         |       |     |      | 12.6 |      |      |       |       | 27.6  |       | 7.3  |       |         |       |       | 28.1  | 0    | 0    | 0.6   | 0.058  |       |        |
| 10/21/2015 | 9:15  |      | 8.6   | 220 | 9.5   |      |     | 50.28 | 7.79 | 191  | 22.53 | 0.3     | 15.44 | 2.3 | 178  | 0.08 | 11.7 |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 9/18/2015  | 14:00 |      | 9     | 230 | 18    |      |     |       |      |      |       |         |       |     |      | 10.1 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 8/4/2015   | 12:50 |      | 9.1   | 210 | 17.5  |      |     |       |      |      |       |         |       |     |      | 13.4 |      |      | 0.004 | 0.002 | 27.64 | 0.005 | 5.1  | 0.013 | 0.0001  | 0.005 | 29.71 | 0.022 | 0    | 0    | 0.51  | 0.087  |       |        |
| 7/21/2015  | 14:20 |      | 8.6   | 170 | 17.3  |      |     | 51.05 | 7.92 | 148  | 24.18 | 0.3     | 11.54 | 22  | 133  | 0.08 | 9.4  |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 6/17/2015  | 14:00 |      | 8.8   | 110 | 14.8  |      |     |       |      |      |       |         |       |     |      | 15   |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 5/4/2015   | 14:00 |      | 9.1   | 110 | 11    |      |     |       |      |      |       |         |       |     |      | 15.5 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 4/14/2015  | 10:20 |      | 8.8   | 120 | 5     |      |     | 88.6  | 7.84 | 242  | 8.53  | 0.3     | 16.88 | 28  | 182  | 0.08 | 12.8 |      |       | 15    |       |       | 4.4  |       |         |       | 18.8  | 0     | 0    | 0.64 | 0.09  |        |       |        |
| 3/3/2015   | 1:30  |      | 9.1   | 90  | 6.3   |      |     |       |      |      |       |         |       |     |      | 11.5 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 2/3/2015   | 14:00 |      | 9.3   | 110 | 4.3   |      |     |       |      |      |       |         |       |     |      | 13   |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 1/9/2015   | 14:20 |      | 8.4   | 130 | 0.3   |      |     |       |      |      |       |         |       |     |      | 9.5  |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 12/18/2014 | 14:15 |      | 9.3   | 100 | 4     |      |     |       |      |      |       |         |       |     |      | 13.4 |      |      |       |       | 51.6  |       |      | 14.6  |         |       |       | 17.8  | 0    | 0    | 7.38  | 0.02   |       |        |
| 11/11/2014 | 11:15 |      | 9.3   | 120 | 1.5   |      |     | 65.67 | 7.78 | 279  | 39.24 | 0.3     | 24.69 | 75  | 255  | 0.08 | 10.2 |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 10/31/2014 | 11:15 |      | 9.5   | 110 | 5.8   |      |     |       |      |      |       |         |       |     |      | 13.8 |      |      | 0.003 | 0.003 | 28.2  | 0.005 | 10.0 | 0.012 | 0.00003 | 0.005 | 32.6  | 0.023 | 0    | 0    | 0.61  | 0.14   |       |        |
| 9/10/2014  | 10:20 |      | 9     | 90  | 12    |      |     | 40.29 | 6.86 | 167  | 53.12 | 0.3     | 13.17 | 34  | 148  | 0.08 | 9.6  |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 8/25/2014  | 13:45 |      | 8.4   | 170 | 18.4  |      |     |       |      |      |       |         |       |     |      | 12.1 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 7/8/2014   | 9:15  |      | 8.7   | 70  | 13    |      |     |       |      |      |       |         |       |     |      | 13.8 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 6/11/2014  | 1:20  |      | 8.9   | 140 | 12.9  |      |     |       |      |      |       |         |       |     |      | 8.1  |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 5/19/2014  | 13:40 |      | 9.1   | 70  | 10.9  |      |     |       |      |      |       |         |       |     |      | 10.2 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 5/13/2014  | 14:15 | 1660 | 8     | 20  | 9.6   |      |     |       |      |      |       |         |       |     |      | 11.3 |      |      |       |       | 38.6  |       | 20.2 |       |         |       |       | 16.57 | 0    | 0    | 0.89  | 0.02   |       |        |
| 4/8/2014   | 10:50 |      | 8.7   | 130 | 5.7   |      |     | 84.13 | 6.69 | 177  | 9.74  | 0.3     | 12.77 | 59  | 138  | 0.08 | 9.7  |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 3/8/2014   | 13:20 |      | 8.9   | 140 | 7     |      |     |       |      |      |       |         |       |     |      | 13.5 |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 2/24/2014  | 14:20 |      | 8.7   | 130 | 2.6   |      |     |       |      |      |       |         |       |     |      | 13   |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |
| 1/15/2014  | 13:45 |      | 8.1   | 130 | 0.2   |      |     |       |      |      |       |         |       |     |      | 8.6  |      |      |       |       |       |       |      |       |         |       |       |       | 0    | 0    |       |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | Field | pH  | Field Cond | Tem   | HCO3 | pH    | Cond  | Cl   | NO3/NO2 | SO4 | TSS | TDS   | PO4  | DO | Al    | As    | Cd    | Ca    | Cu  | Pb    | Mg       | Mn    | Hg    | Mo    | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dls |      |      |
|------------|-------|------|-------|-----|------------|-------|------|-------|-------|------|---------|-----|-----|-------|------|----|-------|-------|-------|-------|-----|-------|----------|-------|-------|-------|----|----|----|-----|--------|-------|--------|------|------|
| 1/31/2013  | 9:15  |      |       |     |            |       |      |       |       |      |         |     |     |       |      |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        |       |        |      |      |
| 12/5/2012  | 12:30 |      | 9.4   | 200 | 2          | 93.44 | 8.35 | 199   | 76.22 | 0.3  | 4.38    | 172 | 5   | 0.046 | 8.5  |    |       |       |       | 48    |     |       | 17.4     |       |       |       |    |    |    |     |        | 0     | 0      | 0.1  | 0.06 |
| 11/20/2012 | 13:00 |      | 7.7   | 160 | 5.3        |       |      |       |       |      |         |     |     |       | 11.8 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 10/10/2012 | 13:30 |      | 8.5   | 160 | 11.4       |       |      |       |       |      |         |     |     |       | 12.2 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 9/6/2012   | 13:00 |      | 8.3   | 200 | 15.5       |       |      |       |       |      |         |     |     |       | 11.2 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 8/2/2012   | 11:25 |      | 9.3   | 180 | 23         | 85.78 | 8.48 | 155   | ##### | 0.3  | 2.67    | 34  | 102 | 0.051 | 11.3 |    | 0.003 | 0.001 | 41.2  | 0.005 | 8.0 | 0.01  | 0.00004  | 0.007 | 33.2  | 0.04  |    |    |    |     |        | 0     | 0.53   | 0.07 |      |
| 7/30/2012  | 12:40 |      | 9.2   | 200 | 24         |       |      |       |       |      |         |     |     |       | 11   |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 6/13/2012  | 10:40 |      | 8.4   | 100 | 17.2       |       |      |       |       |      |         |     |     |       | 10.3 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 6/8/2012   | 11:15 |      | 8.3   | 100 | 13         |       |      |       |       |      |         |     |     |       | 14.8 |    |       |       |       | 9.58  |     |       | 2.6      |       |       |       |    |    |    |     |        | 0     | 0.19   | 0.02 |      |
| 5/9/2012   | 12:03 |      | 8.1   | 80  | 7.8        | 41.11 | 7.54 | 132   | 54.59 | 1.13 | 36.55   | 12  | 104 | 0.08  | 8.4  |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     |        |      |      |
| 4/23/2012  | 13:45 |      | 8     | 70  | 15.1       |       |      |       |       |      |         |     |     |       | 14.2 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        |       |        |      |      |
| 3/26/2012  | 13:00 |      | 7.7   | 115 | 7.4        |       |      |       |       |      |         |     |     |       | 12.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 2/20/2012  | 15:00 |      | 7.8   | 230 | 3          |       |      |       |       |      |         |     |     |       | 14.7 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 1/10/2012  | 13:00 |      | 7.5   | 140 | 3.2        |       |      |       |       |      |         |     |     |       | 14.6 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 12/5/2011  | 15:00 |      | 8.1   | 190 | 1.1        | 18.53 | 8.03 | 272   | 2.97  | 0.3  | 6.17    | 150 | 2   | 0.14  | 7.4  |    | 0.002 | 0.005 | 25.2  | 0.005 | 3.0 | 0.09  | 0.000025 | 0.003 | 9     | 0.01  |    |    |    |     | 0      | 0     | 0.18   | 0.02 |      |
| 11/18/2011 | 14:00 |      | 8.6   | 150 | 3          |       |      |       |       |      |         |     |     |       | 14.2 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 10/7/2011  | 13:00 |      | 8.3   | 180 | 8.4        |       |      |       |       |      |         |     |     |       | 12.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 9/8/2011   | 12:00 |      | 9.4   | 180 | 17.7       |       |      |       |       |      |         |     |     |       | 12.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 8/15/2011  | 12:15 |      | 8.6   | 130 | 17.4       | 8.42  | 8.12 | 153   | 7.44  | 0.3  | 8.64    | 15  | 129 | 0.26  | 9.7  |    | 0.004 | 0.007 | 25.8  | 0.005 | 3.0 | 0.017 | 0.000025 | 0.005 | 10.49 | 0.022 |    |    |    |     | 0      | 0     | 0.27   | 0.13 |      |
| 7/28/2011  | 15:00 |      | 8.5   | 110 | 14.4       |       |      |       |       |      |         |     |     |       | 12.5 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 6/14/2011  | 14:00 |      | 8.3   | 70  | 11.6       |       |      |       |       |      |         |     |     |       | 14.2 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 5/23/2011  | 13:55 |      | 8.8   | 140 | 7.6        |       |      |       |       |      |         |     |     |       | 15.8 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 4/19/2011  | 14:00 |      | 8.5   | 130 | 12.9       | 84.24 | 7.63 | 159   | 21.6  | 0.96 | 75.46   | 546 | 200 | 0.08  | 8.3  |    |       |       |       | 19.9  |     |       | 12.4     |       |       |       |    |    |    |     | 0      | 0     | 13.91  | 0.08 |      |
| 3/30/2011  | 14:15 |      | 8.4   | 210 | 6          |       |      |       |       |      |         |     |     |       | 13   |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 2/4/2011   | 14:30 |      | 8.9   | 270 | 1.5        |       |      |       |       |      |         |     |     |       | 13.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 1/21/2011  | 14:20 |      | 8.7   | 240 | 2          |       |      |       |       |      |         |     |     |       | 14.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 12/21/2010 | 11:15 |      | 8.7   | 210 | 1          |       |      |       |       |      |         |     |     |       | 12.3 |    |       |       |       | 24.3  |     |       | 5.8      |       |       |       |    |    |    |     | 0      | 0     |        |      |      |
| 11/2/2010  | 12:45 |      | 8.7   | 210 | 5.2        | 87.49 | 7.62 | 245   | 12.71 | 0.43 | 20.99   | 66  | 248 | 0.08  | 9.5  |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     | 0      | 0     | 0.08   | 0.01 |      |
| 10/27/2010 | 1:15  |      | 9     | 160 | 4.6        |       |      |       |       |      |         |     |     |       | 14.1 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 9/27/2010  | 2:00  |      | 8.4   | 270 | 17         |       |      |       |       |      |         |     |     |       | 11.7 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 8/5/2010   | 12:50 |      | 9.2   | 130 | 20         | 52.7  | 7.59 | 142   | 20.42 | 0.3  | 8.64    | 76  | 168 | 0.023 | 12.6 |    | 0.005 | 0.002 | 13.36 | 0.005 | 2.6 | 0.012 | 0.000016 | 0.006 | 10.02 | 14    |    |    |    |     | 0      | 0     | 0.35   | 0.04 |      |
| 7/15/2010  | 2:20  |      | 8.9   | 150 | 19         |       |      |       |       |      |         |     |     |       | 13.5 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 6/4/2010   | 12:20 |      | 9.8   | 75  | 10.2       |       |      |       |       |      |         |     |     |       | 13.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 5/18/2010  | 11:10 |      | 9.1   | 90  | 8.5        | 45.65 | 7.51 | 145.2 | 21.8  | 1.93 | 34.99   | 108 | 141 | 0     | 8.2  |    |       |       |       | 16.5  |     |       | 4.9      |       |       |       |    |    |    |     | 0      | 0     | 11.07  | 0.08 |      |
| 4/22/2010  | 1:30  |      | 9.1   | 100 | 5.9        |       |      |       |       |      |         |     |     |       | 12.9 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |
| 3/3/2010   | 1:30  |      | 9.4   | 250 | 2          |       |      |       |       |      |         |     |     |       | 11.2 |    |       |       |       |       |     |       |          |       |       |       |    |    |    |     |        | 0     | 0      |      |      |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al | As    | Cd    | Ca | Cu | Pb   | Mg   | Mn    | Hg     | Mo     | Se     | Na    | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |      |
|------------|-------|------|----------|------------|------|------|----|------|----|---------|-----|-----|-----|------|------|----|-------|-------|----|----|------|------|-------|--------|--------|--------|-------|-------|-----|--------|-------|--------|------|
| 2/23/2010  | 1:30  |      | 9.4      | 450        | 2.1  |      |    |      |    |         |     |     |     | 13.9 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 1/28/2010  | 1:30  |      | 9.1      | 280        | 1.6  |      |    |      |    |         |     |     |     | 17.2 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 12/9/2009  | 10:30 |      | 8.7      | 210        | 1    |      |    |      |    |         |     |     |     | 14   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 11/16/2009 | 10:15 |      | 8.4      | 230        | 2.8  |      |    |      |    |         |     |     |     | 13.2 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 10/12/2009 | 11:30 |      | 8.5      | 220        | 6.9  |      |    |      | 8  | 0.02    | 16  | 5   | 170 | 0.3  | 13.8 |    |       |       | 27 |    |      |      | 5.8   | 0.023  |        |        | 33    |       |     |        | 0     | 0.19   | 0.01 |
| 9/25/2009  | 9:15  |      | 7.2      | 160        | 15.3 |      |    |      |    |         |     |     |     | 10.9 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 8/5/2009   | 10:45 |      | 8.2      | 140        | 19.6 |      |    |      | 2  | 0.02    | 7   | 12  | 120 | 0.11 | 9.4  |    | 0.01  | 0.005 | 22 |    |      | 0.01 | 4.3   | 0.005  | 0.0002 | 0.0002 | 12    | 0.005 |     |        | 2.1   | 0.03   |      |
| 7/17/2009  | 1:15  |      | 7        | 140        | 18.5 |      |    |      |    |         |     |     |     | 4    |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 6/22/2009  | 9:45  |      | 7.8      | 90         | 12.9 |      |    |      |    |         |     |     |     | 15.8 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 5/6/2009   | 10:00 |      | 7.8      | 90         | 7.1  |      |    |      | 1  | 0.12    | 5   | 230 | 100 | 0.04 | 15.2 |    |       |       | 21 |    |      | 6.2  |       |        |        |        | 5.3   |       |     |        | 7.8   | 0.05   |      |
| 4/29/2009  | 10:55 |      | 8.3      | 120        | 5.7  |      |    |      |    |         |     |     |     | 14.5 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 3/9/2009   | 10:25 |      | 8        | 200        | 4.4  |      |    |      |    |         |     |     |     | 13.8 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 2/5/2009   | 12:30 |      | 7.8      | 110        | 1    |      |    |      |    |         |     |     |     | 14.9 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 1/16/2009  | 11:45 |      | 7.7      | 290        | 0.6  |      |    |      |    |         |     |     |     | 13.8 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 12/2/2008  | 14:00 |      | 8.1      | 160        | 2.8  |      |    |      |    |         |     |     |     | 13   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 11/17/2008 | 14:00 |      | 8.2      | 170        | 6.3  |      |    |      |    |         |     |     |     | 12   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 10/15/2008 | 13:00 |      | 7.4      | 160        | 4.6  |      |    |      |    |         |     |     |     | 11.2 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 9/11/2008  | 13:00 |      | 7.2      | 170        | 16   |      |    |      |    |         |     |     |     | 11.3 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 8/6/2008   | 12:35 |      | 8.4      | 130        | 16   |      |    |      | 2  | 0.02    | 7   | 5   | 96  | 0.01 | 8.3  |    | 0.01  | 0.005 | 19 |    |      | 0.05 | 3.3   | 0.005  | 0.0002 | 0.002  | 7.5   |       |     |        | 0     | 0.18   | 0.02 |
| 7/29/2008  | 13:45 |      | 7.8      | 180        | 19   |      |    |      |    |         |     |     |     | 12.1 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 6/18/2008  | 10:20 |      | 8.8      | 550        | 18   |      |    |      | 1  |         | 5   | 130 | 65  | 0.07 | 10.4 |    |       |       | 14 |    |      | 3.3  |       |        |        |        | 3     |       |     |        | 4.6   | 0.03   |      |
| 6/18/2008  | 10:20 |      | 8.5      | 60         | 10.4 |      |    |      | 1  | 0.05    | 5   | 130 | 65  | 0.07 | 10.4 |    |       |       | 14 |    |      | 3.3  |       |        |        |        | 3     |       |     |        | 4.6   | 0.03   |      |
| 5/29/2008  | 14:00 |      | 8.5      | 310        | 14.3 |      |    |      |    |         |     |     |     | 5.8  |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 5/23/2008  | 11:10 |      | 8.5      | 100        | 6.3  |      |    |      |    |         |     |     |     | 11   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 4/21/2008  | 13:45 |      | 8.6      | 200        | 8.9  |      |    |      |    |         |     |     |     | 13   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 4/18/2008  | 14:40 |      | 8.1      | 160        | 7.6  |      |    |      |    |         |     |     |     | 13.8 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 3/26/2008  | 14:40 |      | 8.7      | 180        | 7.8  |      |    |      |    |         |     |     |     | 8.3  |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 3/26/2008  | 14:40 |      | 8.7      | 180        | 7.8  |      |    |      |    |         |     |     |     | 8.3  |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 1/30/2008  | 12:00 |      | 8.3      | 200        | 1    |      |    |      |    |         |     |     |     | 9    |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 1/30/2008  | 12:30 |      | 8.3      | 200        | 1    |      |    |      |    |         |     |     |     | 9    |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 12/18/2007 | 12:45 |      | 8.31     | 150        | 0.8  |      |    |      |    |         |     |     |     | 17   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 11/13/2007 | 13:30 |      | 7.5      | 180        | 1    |      |    |      |    |         |     |     |     | 12.3 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 10/24/2007 | 14:00 |      | 8.58     | 120        | 7.8  |      |    |      |    |         |     |     |     | 12.3 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 9/11/2007  | 13:40 |      | 8.3      | 200        | 16.8 |      |    |      |    |         |     |     |     | 10   |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |
| 8/7/2007   | 13:10 |      | 7.98     | 140        | 14.5 |      |    |      | 2  | 0.04    | 8   | 36  | 120 | 0.13 | 10.3 |    | 0.002 | 0.005 | 19 |    | 0.05 | 3.4  | 0.005 | 0.0002 | 0.002  | 9.9    | 0.005 |       |     | 0      | 0.9   | 0.02   |      |
| 7/17/2007  | 1:15  |      | 7.84     | 160        | 17.2 |      |    |      |    |         |     |     |     | 10.3 |      |    |       |       |    |    |      |      |       |        |        |        |       |       |     |        |       |        |      |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al | As    | Cd    | Ca | Cu   | Pb  | Mg    | Mn     | Hg | Mo    | Se  | Na    | Zn | Oil | Grease | Fe-Tr | Fe-Dls |      |
|------------|-------|------|----------|------------|------|------|------|------|----|---------|-----|-----|-----|------|------|----|-------|-------|----|------|-----|-------|--------|----|-------|-----|-------|----|-----|--------|-------|--------|------|
| 6/15/2007  | 13:00 |      | 8.05     | 80         | 13   | 46   | 7.72 | 94   | 1  | 0.04    | 5   | 15  | 53  | 0.07 | 10.2 |    |       |       | 11 |      |     | 2.0   |        |    |       |     | 3.7   |    |     |        | 0     | 0.65   | 0.01 |
| 5/15/2007  | 14:30 |      | 7.6      | 90         | 7.9  |      |      |      |    |         |     |     |     | 10.5 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 4/26/2007  | 14:30 |      | 8.2      | 110        | 9.3  |      |      |      |    |         |     |     |     | 11.7 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 3/12/2007  | 14:00 |      | 7.95     | 100        | 4    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 2/21/2007  | 13:00 |      | 7.74     | 190        | 3    |      |      |      |    |         |     |     |     | 9.5  |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 1/19/2007  | 13:00 |      | 8        | 190        | 1    |      |      |      |    |         |     |     |     | 8.7  |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 12/18/2006 | 10:00 |      | 7.48     | 170        | 0.8  |      |      |      |    |         |     |     |     | 29.3 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 11/22/2006 | 10:00 |      | 7.81     | 140        | 1.8  |      |      |      |    |         |     |     |     | 12.2 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 10/17/2006 | 10:00 |      | 8.49     | 112        | 8    | 70   | 8.01 | 150  | 6  | 0.07    | 11  | 340 | 200 | 0.01 | 3.9  |    |       |       | 22 |      |     | 6.9   |        |    |       |     | 5.8   |    |     | 0      | 12    | 0.04   |      |
| 9/19/2006  | 11:40 |      | 8.4      | 150        | 8    |      |      |      |    |         |     |     |     | 4.1  |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 8/10/2006  | 10:00 |      | 8.95     | 160        | 18   | 87   | 7.84 | 170  | 2  | 0.02    | 8   | 9   | 110 | 0.01 | 19.8 |    | 0.002 | 0.005 | 16 | 0.05 | 3.2 | 0.005 | 0.0002 |    | 0.002 | 9.7 | 0.005 |    | 0   | 0      | 0.61  | 0.01   |      |
| 7/21/2006  | 11:45 |      | 7.38     | 130        | 19.1 |      |      |      |    |         |     |     |     | 18   |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        | 0.01 |
| 6/13/2006  | 10:20 |      | 8.2      | 80         | 9.5  | 44   | 7.09 | 91   | 1  | 0.05    | 7   | 8   | 58  | 0.12 | 11.7 |    |       |       | 11 |      |     | 1.8   |        |    |       |     | 3.7   |    |     | 0      | 0.36  | 0.01   |      |
| 5/26/2006  | 10:15 |      | 7.56     | 80         | 13.3 |      |      |      |    |         |     |     |     | 13.3 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 4/17/2006  | 14:10 |      | 7.85     | 130        | 6.9  |      |      |      |    |         |     |     |     | 13.9 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 3/27/2006  | 14:20 |      | 8.55     | 190        | 8    |      |      |      |    |         |     |     |     | 5.7  |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 2/22/2006  | 14:30 |      | 8.39     | 200        | 1    |      |      |      |    |         |     |     |     | 11.5 |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 1/27/2006  | 9:00  |      | 9.14     | 350        | 3.5  |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 12/5/2005  | 1:15  |      | 8.43     | 220        | 10   |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 11/17/2005 | 1:15  |      | 8.44     | 130        | 10.2 |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        | 0.01 |
| 10/17/2005 | 11:45 |      | 8.59     | 160        | 15.4 | 1100 | 7.84 | 210  | 3  | 0.04    | 11  | 7   | 120 | 0.01 |      |    |       | 26    |    |      | 3.8 |       |        |    |       | 23  |       |    | 0   | 0      | 0.24  | 0.01   |      |
| 9/22/2005  | 2:40  |      | 8.71     | 190        | 18.6 |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 9/30/2005  | 14:20 |      | 8.72     | 150        | 16   | 93   | 8.24 | 160  | 2  | 0.02    | 7   | 5   | 110 | 0.01 |      |    | 0.005 | 0.005 | 23 | 0.05 | 3.6 | 0.016 | 0.0002 |    | 0.002 | 12  | 0.005 |    | 0   | 0      | 0.28  | 0.02   |      |
| 8/5/2005   | 14:40 |      | 9.1      | 140        | 20   |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 7/25/2005  | 14:30 |      | 8.3      | 130        | 18   |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 6/15/2005  | 13:00 |      | 8.42     | 90         | 10   | 57   | 7.75 | 100  | 1  | 0.04    | 5   | 13  | 88  | 0.01 |      |    |       | 16    |    |      | 2.6 |       |        |    |       | 5   |       |    | 0   | 0      | 1     | 0.02   |      |
| 5/8/2005   | 14:40 |      | 8.27     | 130        | 10   |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 4/18/2005  | 10:40 |      | 8.01     | 120        | 5    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 3/23/2005  | 9:15  |      | 8.7      | 140        | 6    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 2/22/2005  | 11:00 |      | 8.1      | 210        | 4    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 1/19/2005  | 10:40 |      | 8.57     | 150        | 1    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 12/13/2004 | 11:20 |      | 8.25     | 160        | 3    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 11/15/2004 | 10:45 |      | 8.1      | 180        | 5    |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 10/8/2004  | 14:15 |      | 8.55     | 180        | 13   |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 9/27/2004  | 11:30 |      | 8.8      | 150        | 10   |      |      |      |    |         |     |     |     |      |      |    |       |       |    |      |     |       |        |    |       |     |       |    |     |        | 0     |        |      |
| 8/23/2004  | 11:15 |      | 8.39     | 200        | 14   | 130  | 8.26 | 210  | 2  | 0.02    | 6   | 25  | 120 | 0.01 |      |    | 0.002 | 0.005 | 29 | 0.05 | 5.1 | 0.005 | 0.0002 |    | 0.002 | 10  | 0.005 |    | 0   | 0      | 0.48  | 0.04   |      |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO   | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg   | Mn    | Hg     | Mo     | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dls |      |
|------------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|------|------|-------|-------|------|-------|------|------|-------|--------|--------|-------|------|-------|-----|--------|-------|--------|------|
| 7/23/2004  | 11:00 |      | 8.6      | 160        | 15  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 6/22/2004  | 14:00 |      | 8.39     | 80         | 16  | 52   | 8.03 | 110  | 1  | 0.05    | 8   | 6   | 62  | 0.01 |      |      |       | 14    |      |       |      | 2.3  |       |        |        |       | 5.2  |       |     | 0      | 0     | 0.2    | 0.1  |
| 5/20/2004  | 10:20 |      | 8.76     | 80         | 10  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 4/14/2004  | 14:40 |      | 8.5      | 130        | 12  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 3/12/2004  | 13:50 |      | 8.96     | 160        | 8   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 2/26/2004  | 14:15 |      | 8.54     | 180        | 4   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 1/27/2004  | 23:30 |      | 8.5      | 320        | 1   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 12/5/2003  | 10:40 |      | 8        | 300        | 2   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 11/11/2003 | 9:15  |      | 5.6      | 130        | 5   | 95   | 7.94 | 180  | 3  | 0.02    | 12  | 5   | 120 | 0.01 |      |      |       | 23    |      |       |      | 5.3  |       |        |        |       | 16   |       |     | 0      | 0     | 0.28   | 0.02 |
| 10/13/2003 | 14:30 |      | 7.84     | 180        | 12  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 9/17/2003  | 13:30 |      | 9.43     | 170        | 15  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 8/26/2003  | 10:20 |      | 8.99     | 200        | 18  | 120  | 8.45 | 210  | 2  | 0.02    | 8   | 15  | 140 | 0.01 |      |      | 0.005 | 29    |      |       |      | 0.05 | 9.1   | 0.005  | 0.0002 | 0.002 | 19   | 0.005 | 0   | 0      | 0.77  | 0.03   |      |
| 7/28/2003  | 12:40 |      | 9.5      | 150        | 18  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 6/17/2003  | 10:30 |      | 8.74     | 70         | 13  | 44   | 7.97 | 85   | 1  | 0.11    | 6   | 10  | 67  | 0.01 |      |      |       | 11    |      |       |      | 1.8  |       |        |        |       | 4.7  |       |     | 0      | 0     | 0.4    | 0.04 |
| 5/13/2003  | 12:00 |      | 8.56     | 100        | 9   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 4/10/2003  | 15:00 |      | 9.02     | 160        | 12  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 3/27/2003  | 9:00  |      | 9.03     | 150        | 5   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 2/20/2003  | 15:00 |      | 8.56     | 250        | 3   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 1/15/2003  | 9:00  |      | 8.6      | 300        | 1   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 12/10/2002 |       |      | 8.85     | 300        | 2   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 11/11/2002 |       |      | 8.01     | 200        | 1   |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 10/24/2002 |       |      | 7.95     | 200        | 6   | 96   | 7.96 | 210  | 3  | 0.02    | 11  | 5   | 120 | 0.01 |      |      |       | 16    |      |       |      | 3.4  |       |        |        |       | 14   |       |     | 0      | 0     | 0.1    |      |
| 9/6/2002   |       |      | 9.1      | 200        | 16  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 7/20/2002  |       |      | 8.1      | 200        | 22  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 6/27/2002  |       |      | 8.2      | 100        | 15  |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 3/27/2002  |       |      |          |            |     |      |      |      |    |         |     |     |     |      |      |      |       |       |      |       |      |      |       |        |        |       |      |       |     |        |       |        |      |
| 12/19/2001 | 12:50 |      | 8.5      | 320        | 4   | 84   | 8.56 | 180  | 3  | 0.06    | 16  | 11  | 120 | 0.02 | 8.7  | 0.32 | 0.002 | 0.005 | 22   | 0.005 | 0.05 | 5.6  | 0.013 | 0.0002 | 0.05   | 0.002 | 13   | 0.005 | 0   | 0      | 0.16  |        |      |
| 9/28/2001  | 10:20 |      | 7.9      | 200        | 15  | 194  | 8.82 | 376  | 9  | 0.02    | 17  | 9   | 239 | 0.01 | 8.7  | 0.43 | 0.002 | 0.005 | 18.3 | 0.005 | 0.05 | 2.9  | 0.015 | 0.0002 | 0.05   | 0.002 | 52.8 | 0.015 | 0   | 0      | 0.44  |        |      |
| 6/29/2001  | 9:20  |      | 8.3      | 100        | 13  | 130  | 8.10 | 230  | 5  | 0.1     | 18  | 6   | 140 | 0.01 | 9.8  | 0.39 | 0.002 | 0.005 | 25.7 | 0.006 | 0.05 | 4.2  | 0.005 | 0.0002 | 0.05   | 0.002 | 15   | 0.005 | 0   | 0      | 0.12  |        |      |
| 3/30/2001  | 11:30 |      | 8.2      | 300        | 5   | 54   | 8.20 | 104  | 2  | 0.02    | 6   | 5   | 67  | 0.01 | 9.3  | 0.15 | 0.002 | 0.005 | 10.9 | 0.005 | 0.05 | 1.2  | 0.008 | 0.0002 | 0.05   | 0.002 | 10.4 | 0.007 | 0   | 0      | 0.13  |        |      |
| 12/28/2000 | 9:30  |      | 7.9      | 200        | 8   | 160  | 8.37 | 249  | 11 | 0.03    | 16  | 8   | 140 | 0.01 | 12.1 | 0.26 | 0.002 | 0.005 | 19.8 | 0.007 | 0.05 | 3.7  | 0.011 | 0.0002 | 0.05   | 0.002 | 25.2 | 0.01  | 0   | 0      | 0.27  |        |      |
| 9/28/2000  | 15:20 | 195  | 7.9      | 200        | 8   | 160  | 8.10 | 304  | 2  | 0.12    | 16  | 8   | 180 | 0.01 | 10   | 0.17 | 0.007 | 0.005 | 22.4 | 0.006 | 0.05 | 4.4  | 0.01  | 0.0002 | 0.05   | 0.002 | 26.9 | 0.008 | 0   | 0      | 0.15  |        |      |
| 6/29/2000  | 13:30 | 92   | 8        | 160        | 18  | 98   | 8.21 | 172  | 1  | 0.02    | 10  | 15  | 120 | 0.01 | 9.5  | 0.19 | 0.012 | 0.005 | 21.8 | 0.005 | 0.05 | 3.9  | 0.02  | 0.0002 | 0.05   | 0.002 | 12   | 0.012 | 0   | 0      | 0.22  |        |      |
| 3/28/2000  | 12:15 | 326  | 7.7      | 180        | 7   | 107  | 7.86 | 192  | 2  | 0.07    | 9   | 17  | 116 | 0.01 | 9.6  | 0.95 | 0.002 | 0.005 | 22.7 | 0.034 | 0.05 | 3.2  | 0.029 | 0.0002 | 0.05   | 0.002 | 10.9 | 0.028 | 0   | 0      | 0.86  |        |      |
| 12/15/1999 | 10:30 | 126  | 7.5      | 180        | 4   | 98   | 7.63 | 223  | 2  | 0.17    | 16  | 16  | 115 | 0.01 | 8.9  | 0.17 | 0.008 | 0.005 | 23.2 | 0.005 | 0.05 | 4.6  | 0.008 | 0.0004 | 0.05   | 0.002 | 15.6 | 0.005 | 0   | 0      | 0.1   |        |      |
| 9/23/1999  | 8:35  | 237  | 7.72     | 300        | 18  | 104  | 7.72 | 488  | 1  | 0.08    | 7   | 27  | 193 | 0.01 | 9    | 0.6  | 0.002 | 0.005 | 27.2 | 0.005 | 0.05 | 4.7  | 0.031 | 0.0002 | 0.05   | 0.002 | 8.5  | 0.011 | 0   | 0      | 0.53  |        |      |

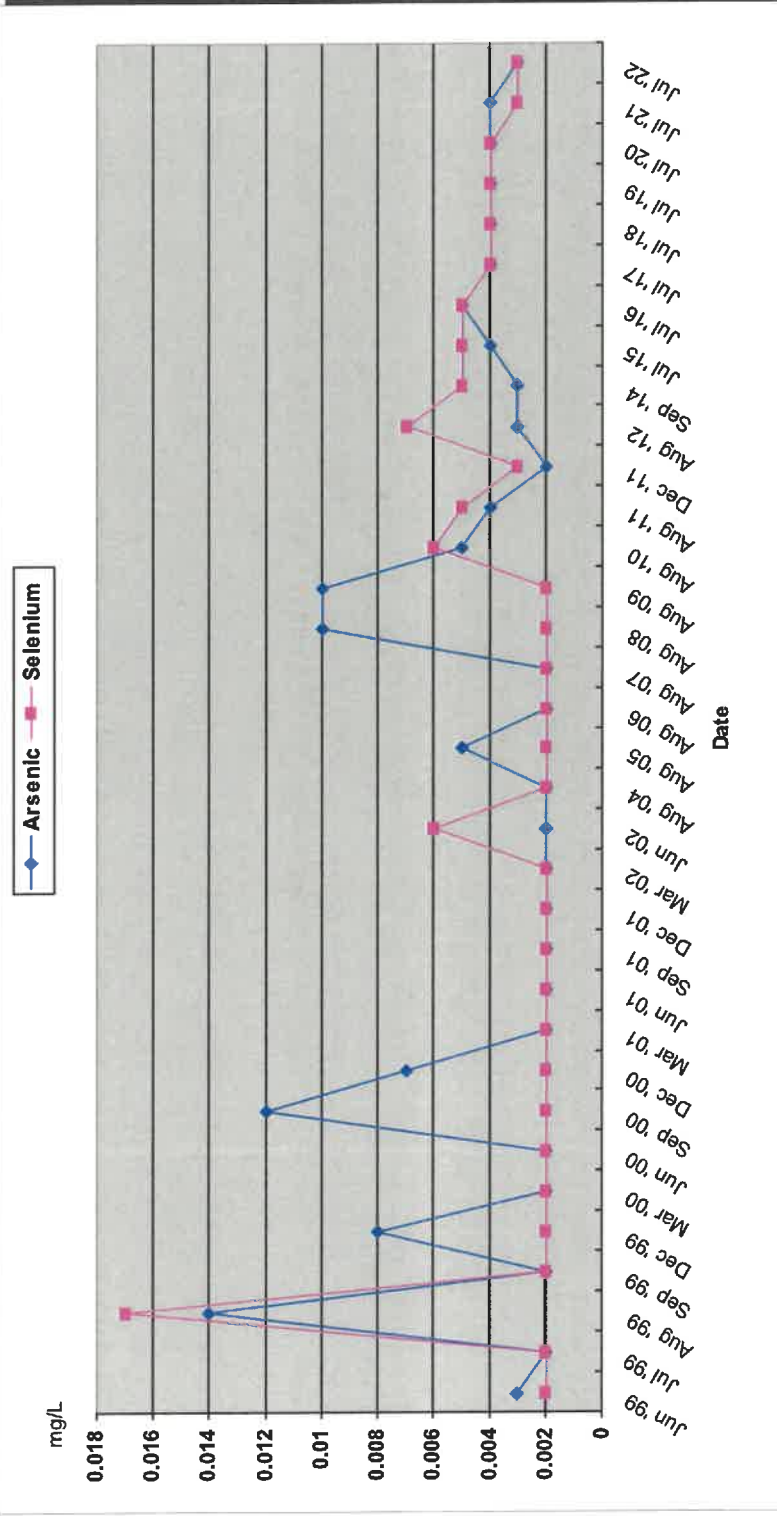
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

| Date      | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO  | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg  | Mn    | Hg     | Mo   | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dis |
|-----------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|-----|------|-------|-------|------|-------|------|-----|-------|--------|------|-------|------|-------|-----|--------|-------|--------|
| 8/30/1999 | 12:20 | 216  | 7.6      | 120        | 15  | 142  | 8.20 | 283  | 14 | 0.06    | 7   | 10  | 246 | 0.01 | 8.7 | 0.52 | 0.014 | 0.005 | 17.2 | 0.005 | 0.05 | 2.3 | 0.011 | 0.0002 | 0.05 | 0.017 | 70.1 | 0.005 | 0   | 0      | 0     | 0.31   |
| 7/27/1999 | 14:10 | 200  | 7.2      | 100        | 16  | 79   | 7.88 | 145  | 1  | 0.03    | 8   | 124 | 91  | 0.01 | 8.3 | 2.11 | 0.002 | 0.005 | 16.2 | 0.007 | 0.02 | 3.2 | 0.047 | 0.0002 | 0.05 | 0.002 | 7.1  | 0.083 | 0   | 0      | 2.56  | 0      |
| 6/29/1999 | 13:59 | 637  | 7.2      | 100        | 14  | 46   | 7.61 | 86   | 3  | 0.03    | 7   | 10  | 57  | 0.01 | 9.1 | 0.2  | 0.003 | 0.005 | 6    | 0.005 | 0.05 | 0.9 | 0.009 | 0.0002 | 0.05 | 0.002 | 5.4  | 0.009 | 0   | 0      | 0.33  | 0      |

# MONITORING CHART FOR 2022 AHR

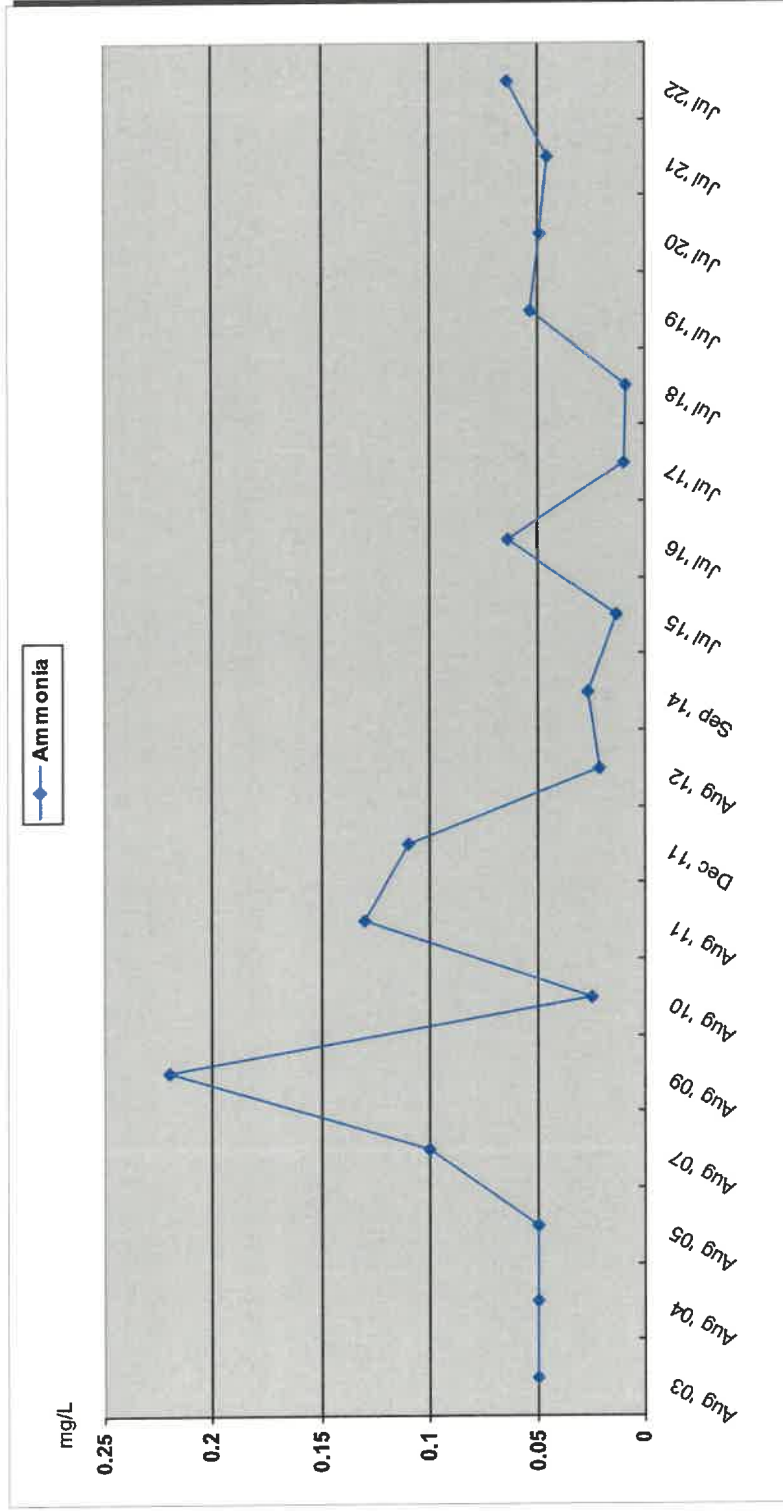
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

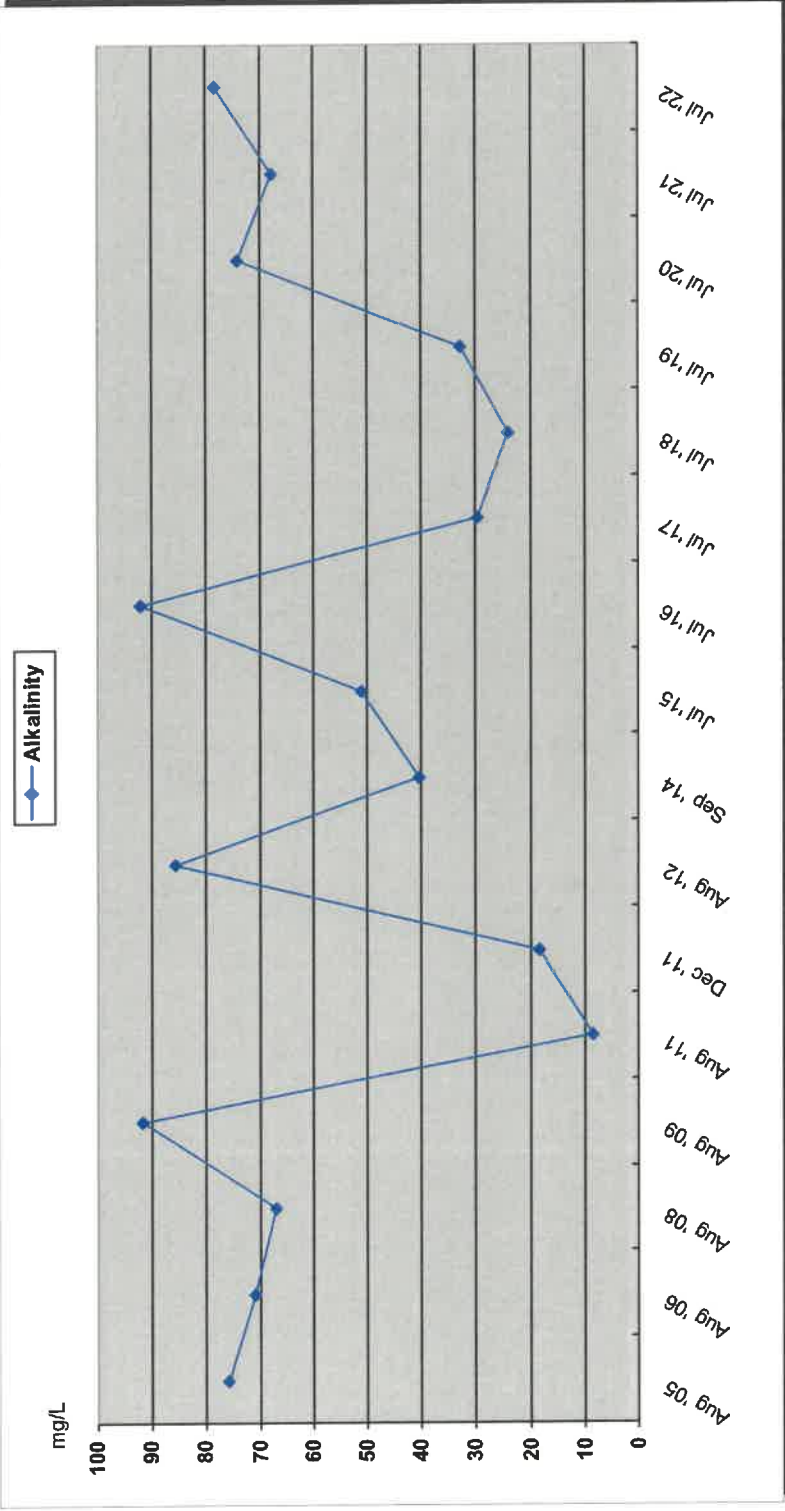
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

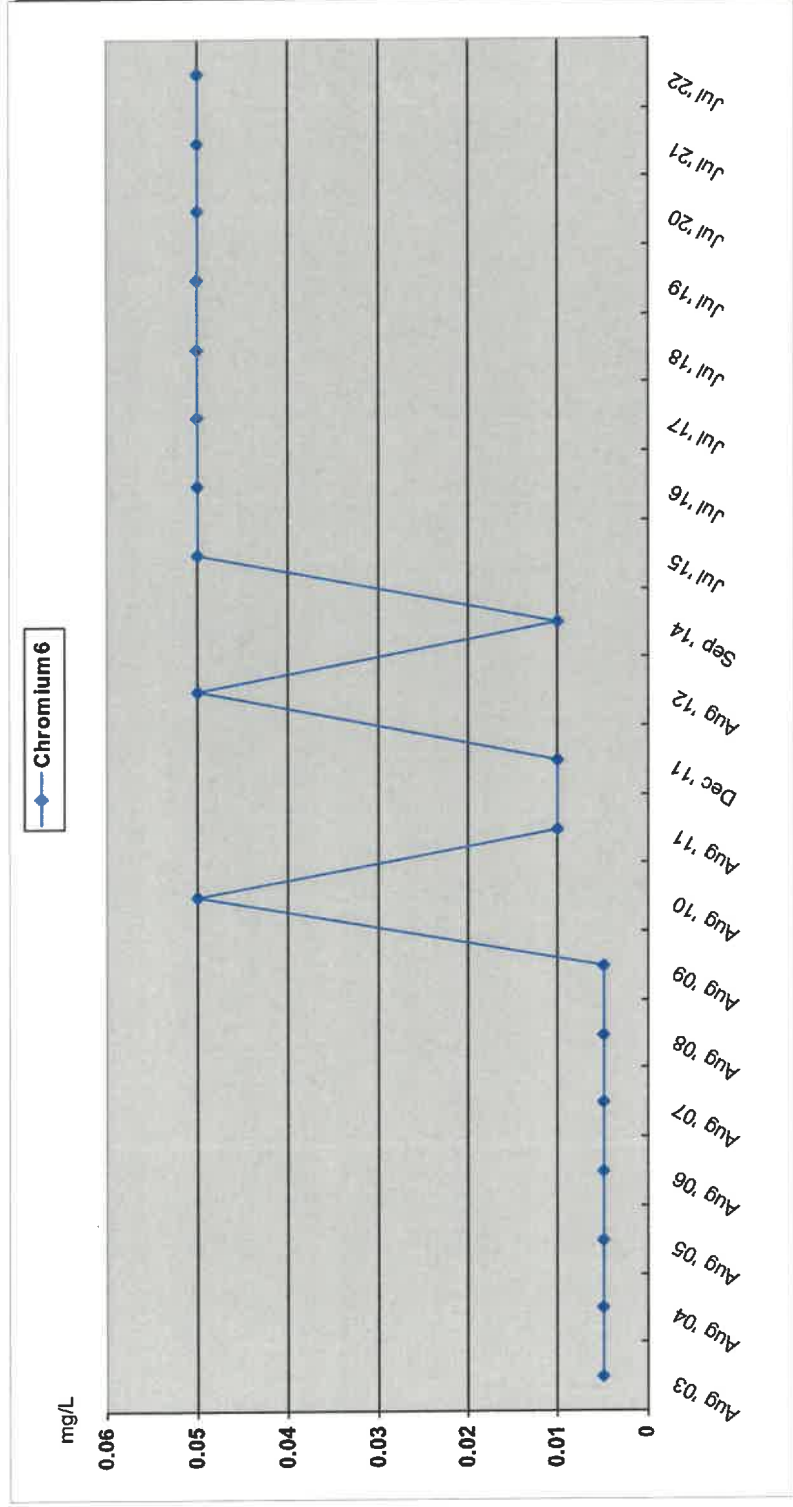
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



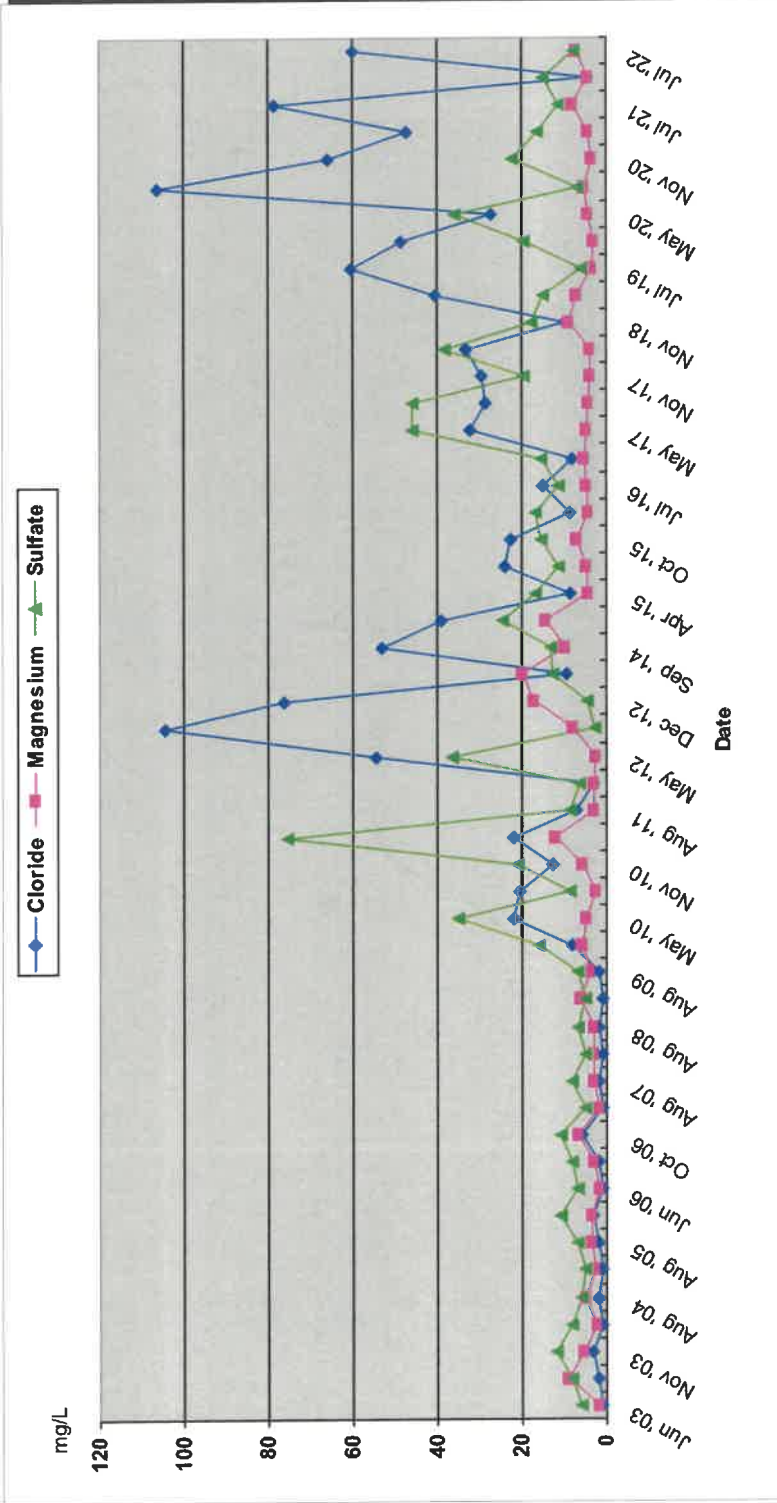
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



# MONITORING CHART FOR 2022 AHR

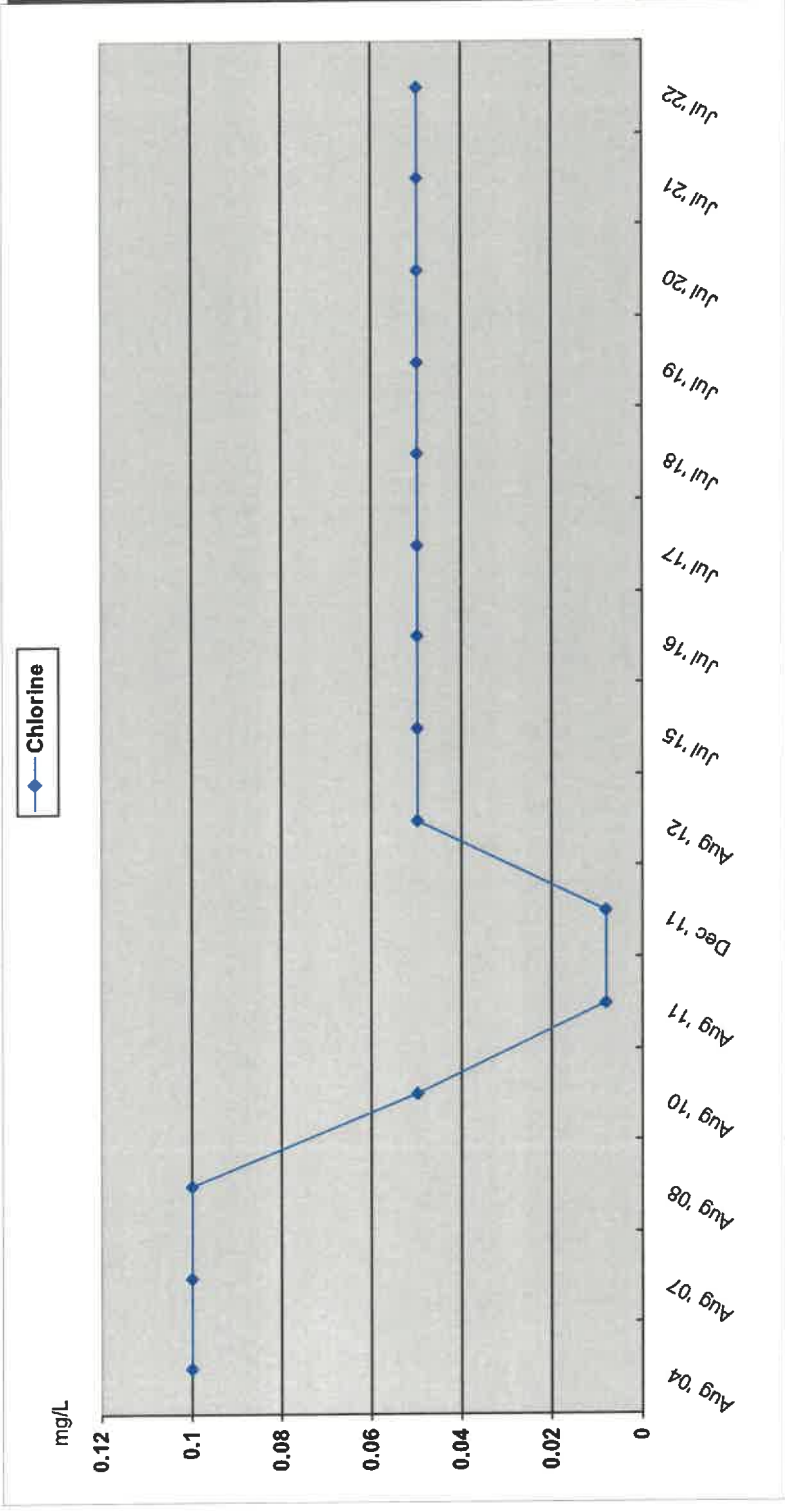
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

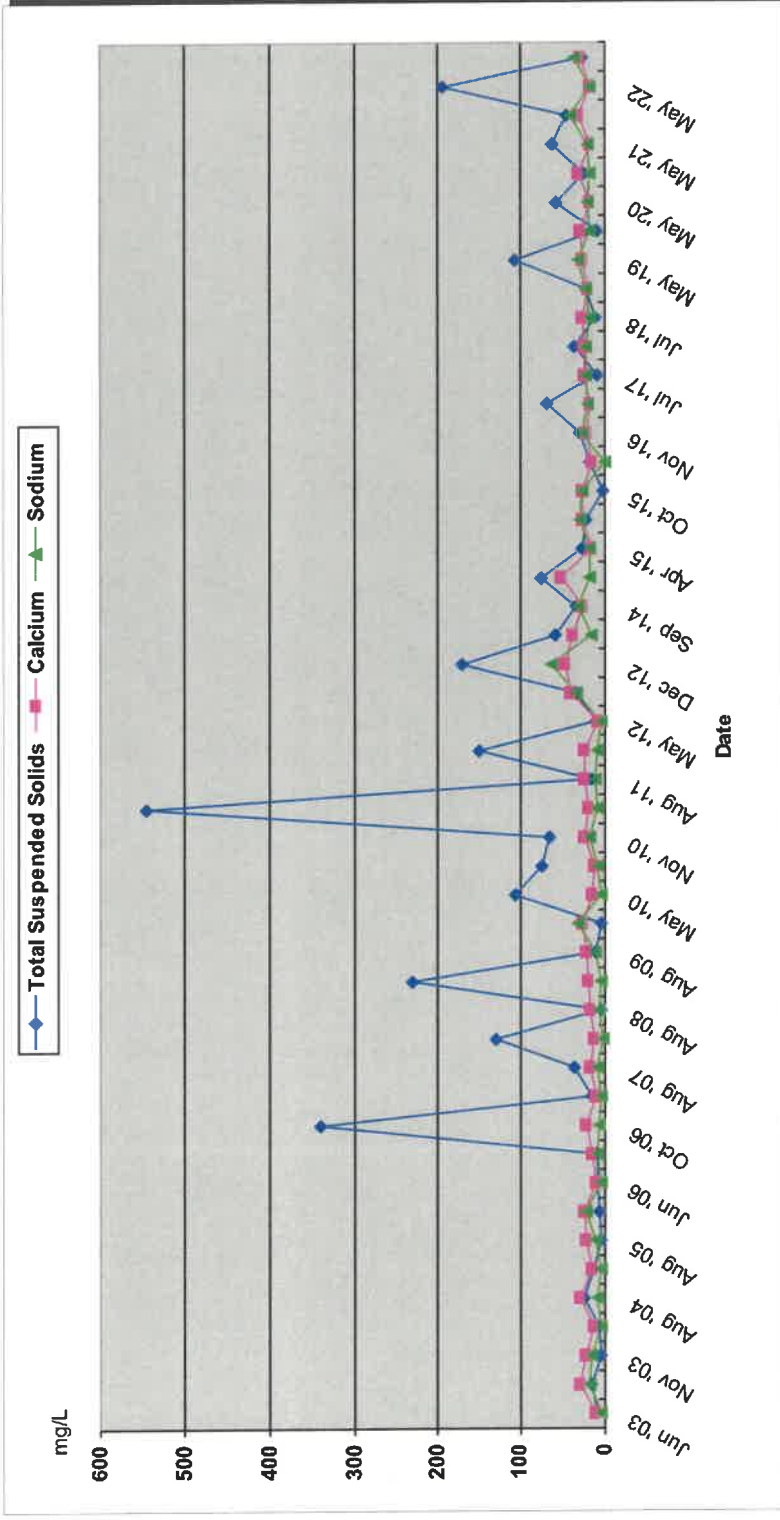


Oxbow Mining, LLC., Elk Creek Mine

Date : 17-Feb-23

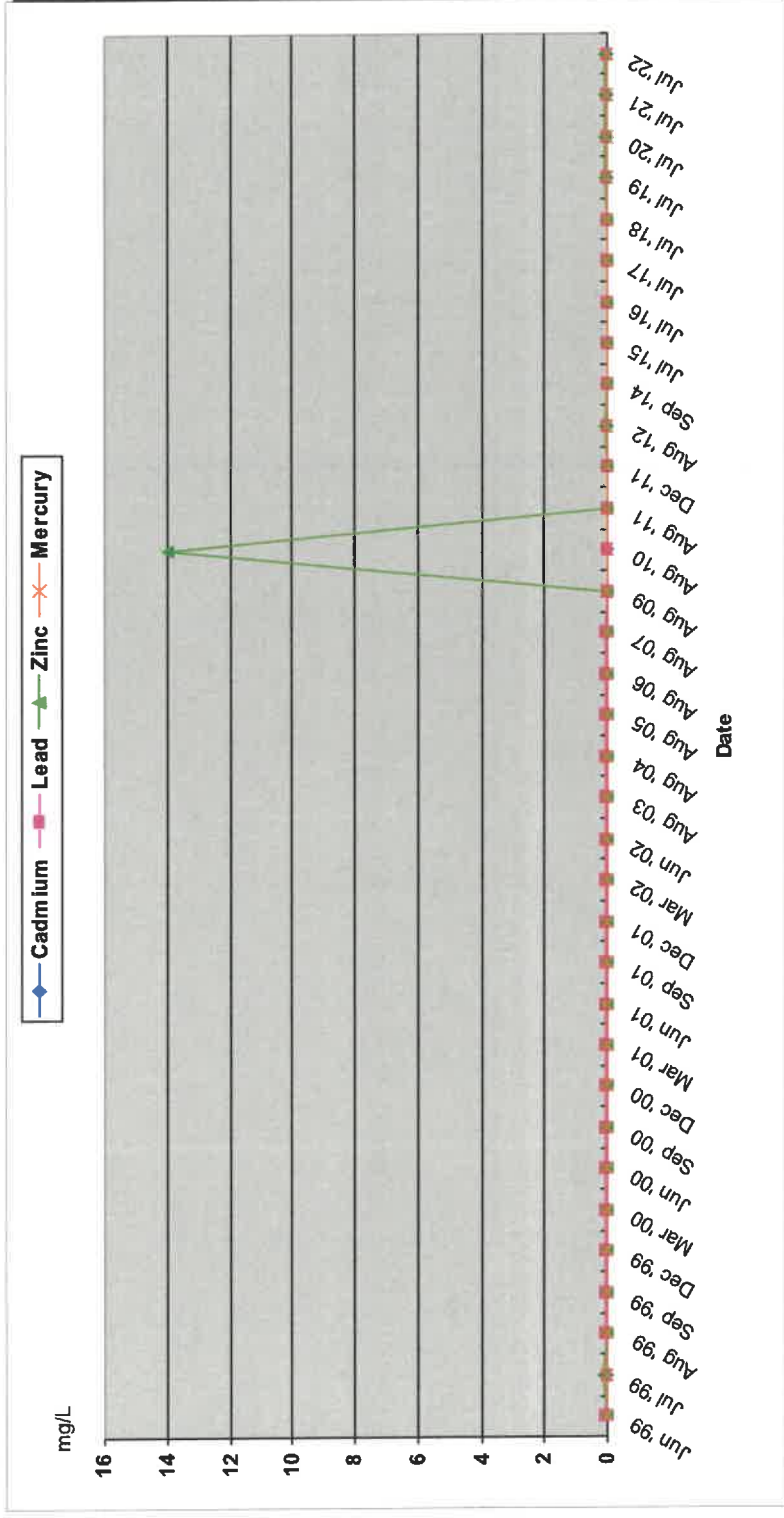
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

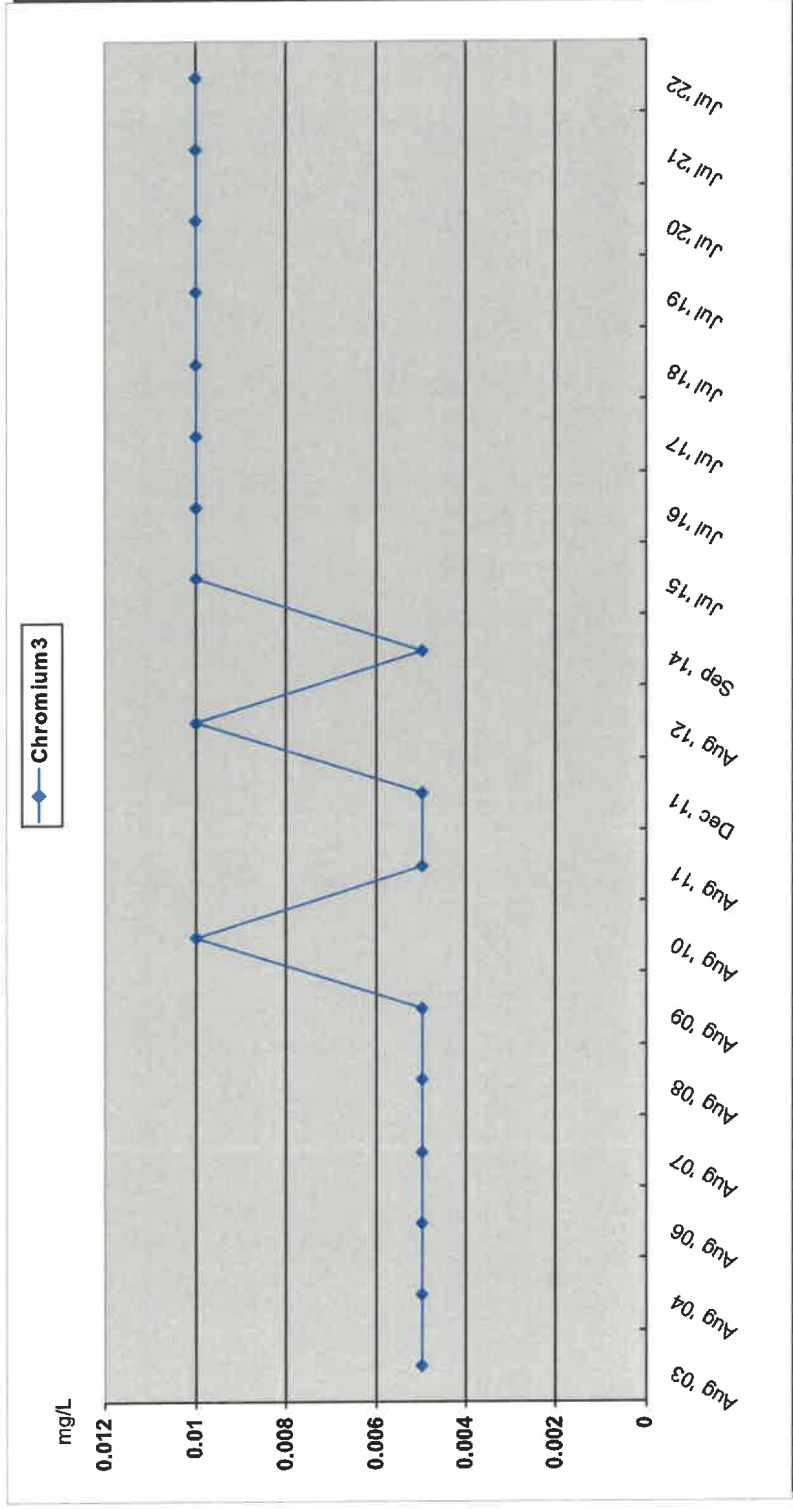


Oxbow Mining, LLC., Elk Creek Mine

Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

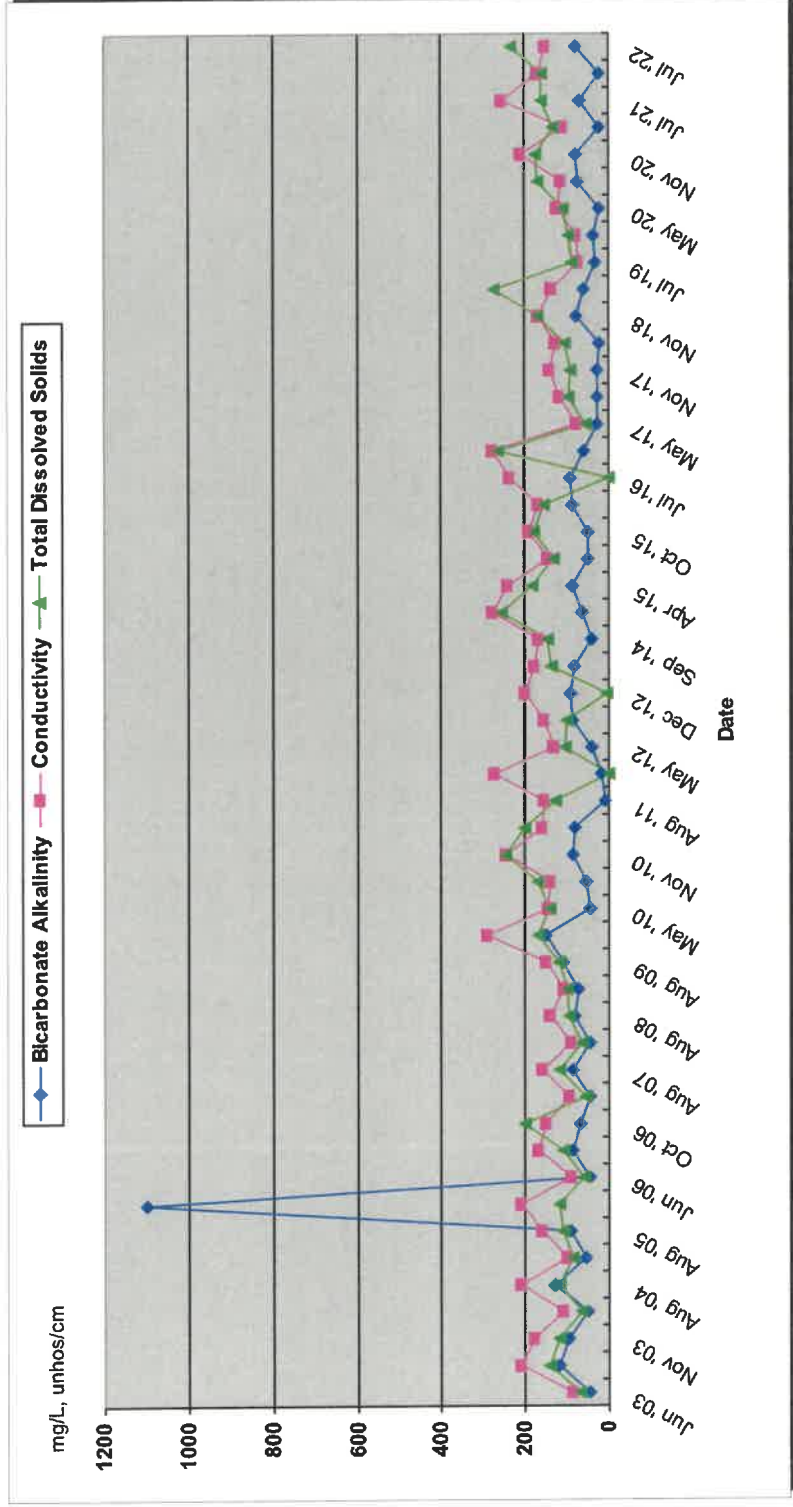
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC, Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3

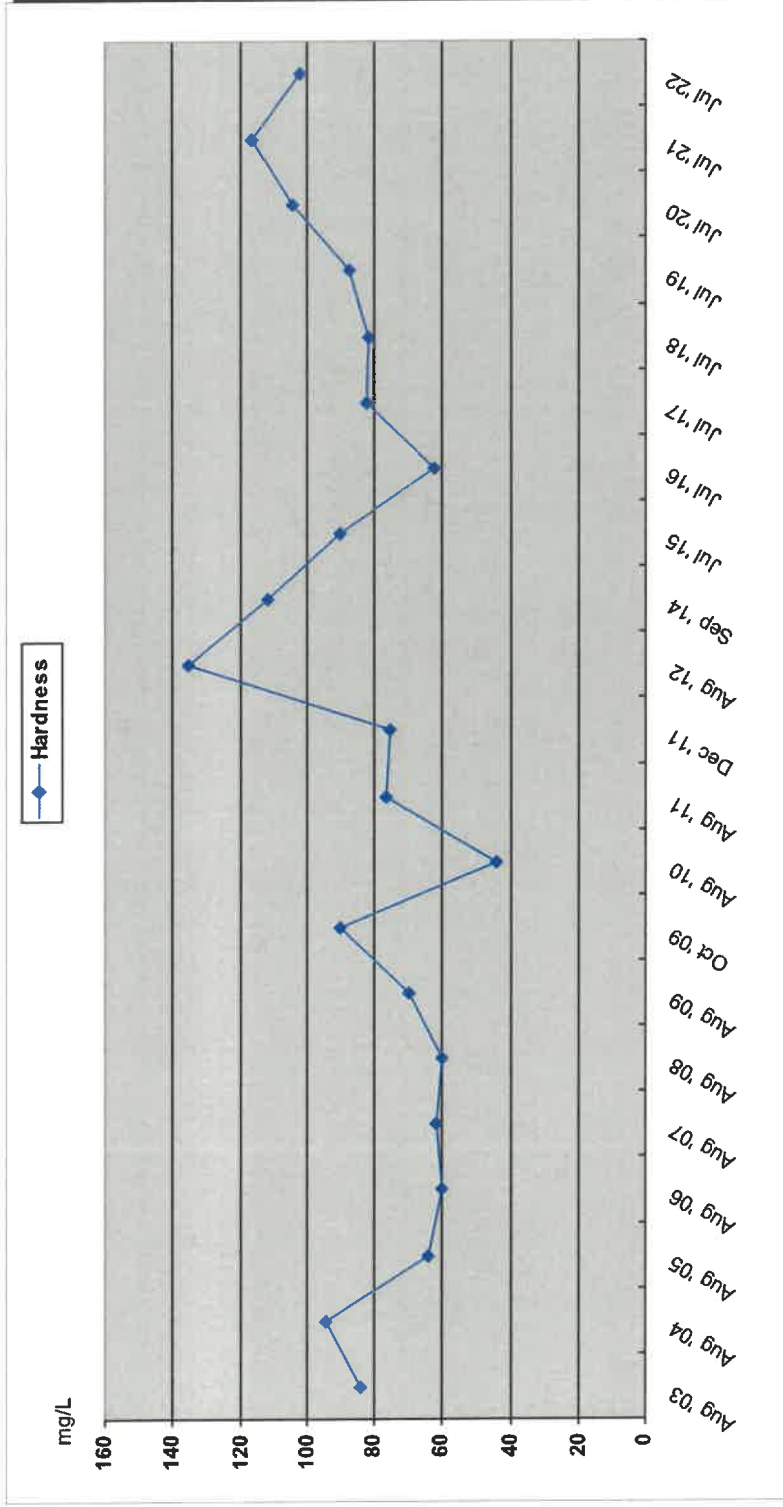


Oxbow Mining, LLC, Elk Creek Mine

Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

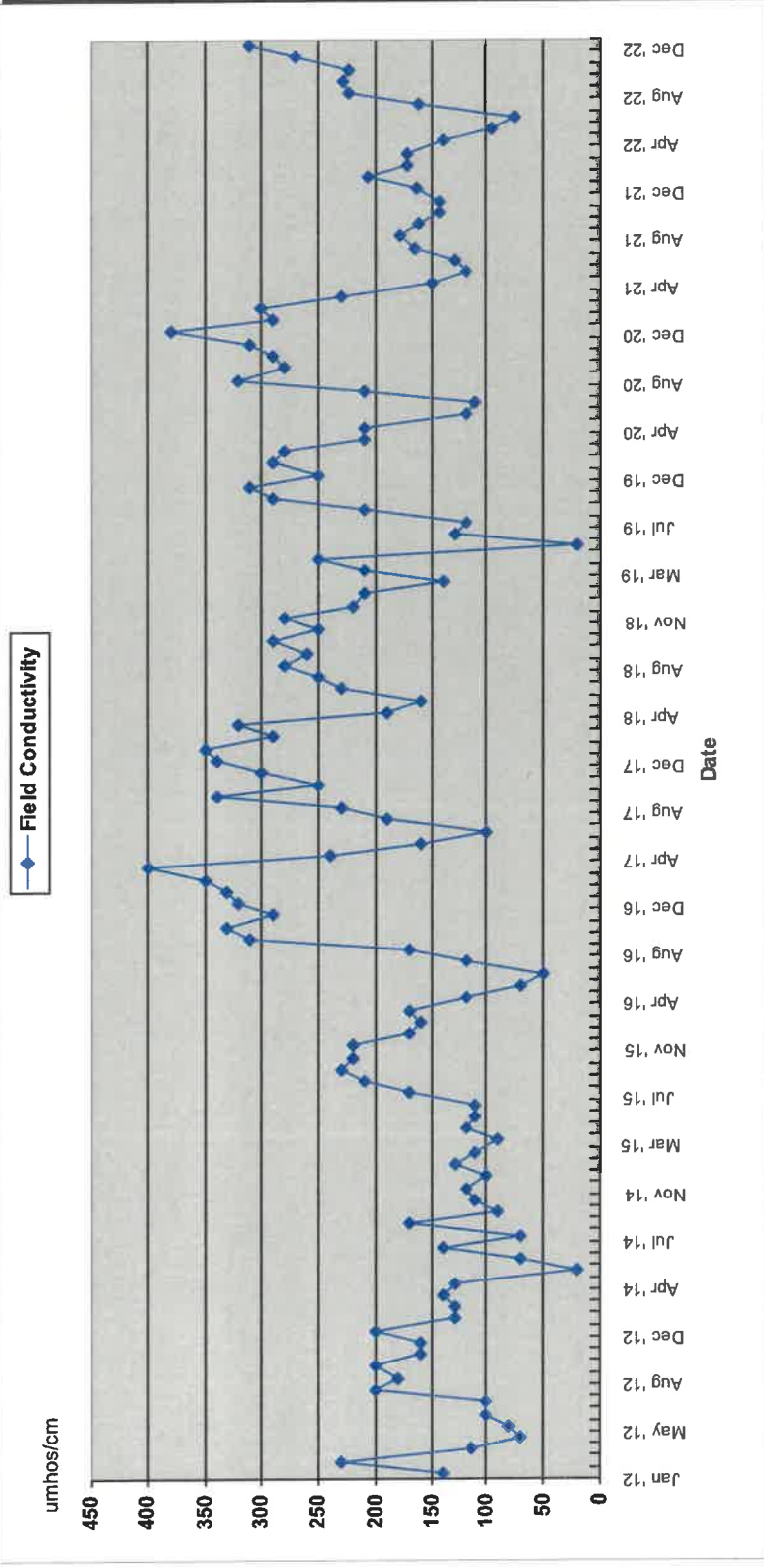
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

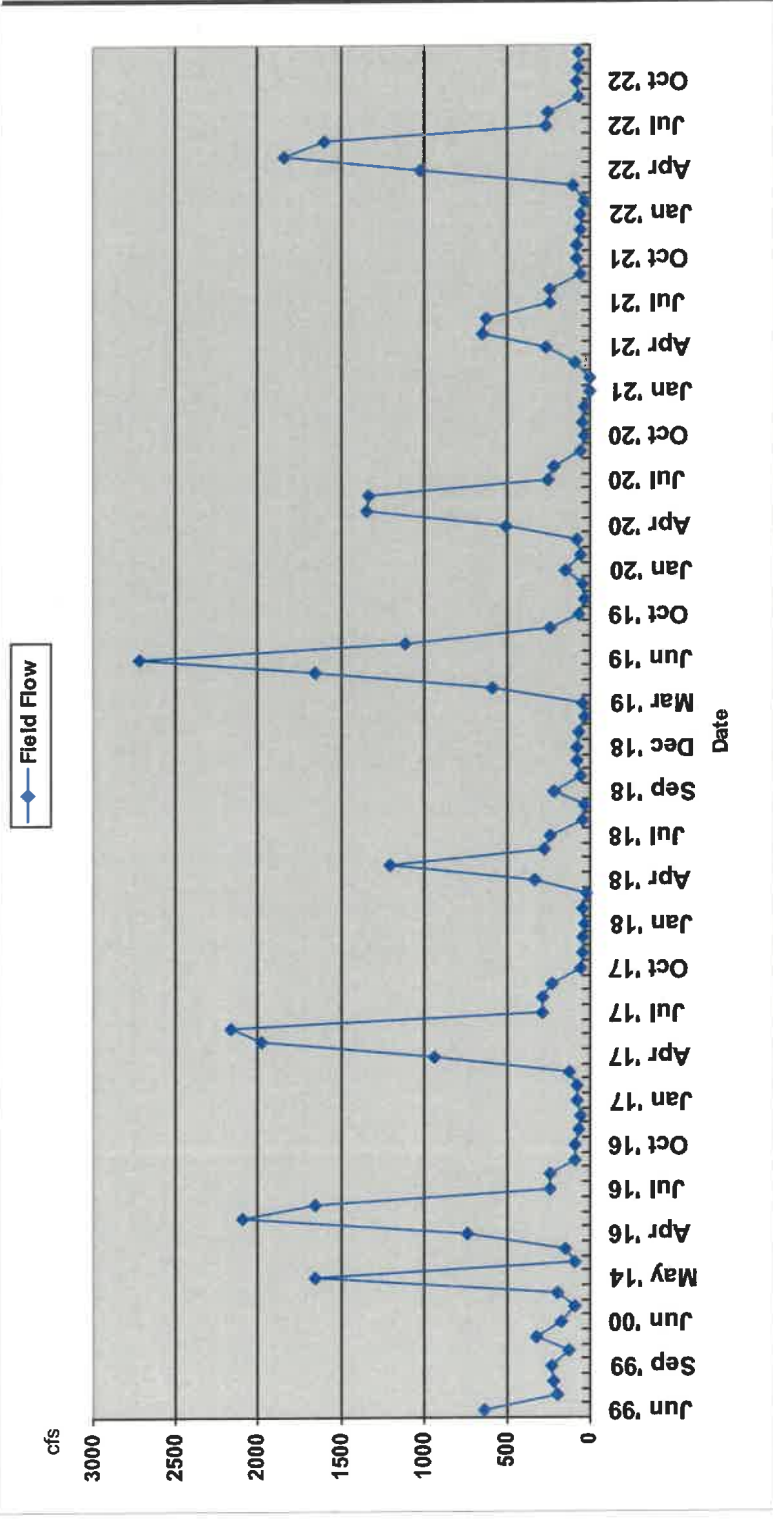
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



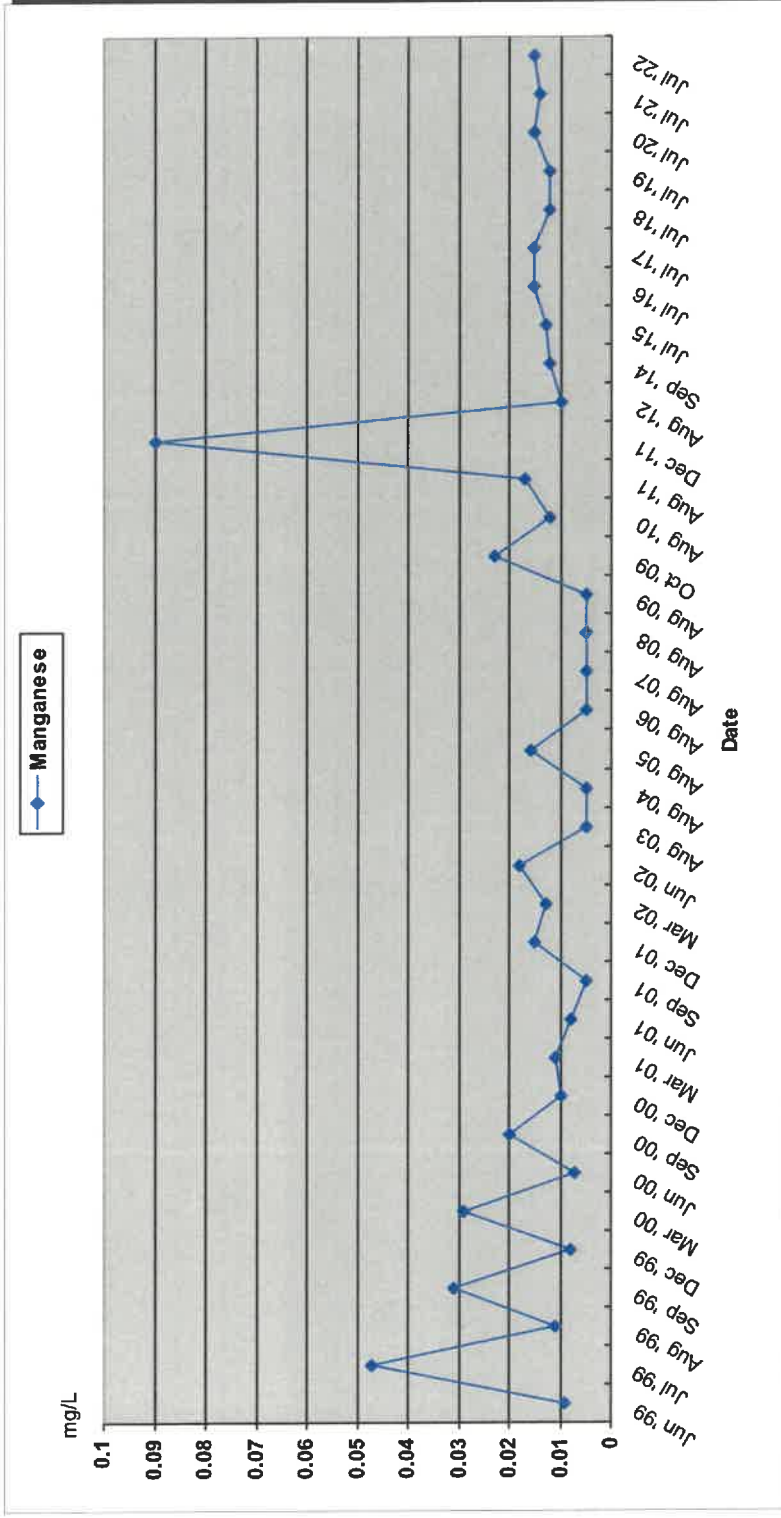
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



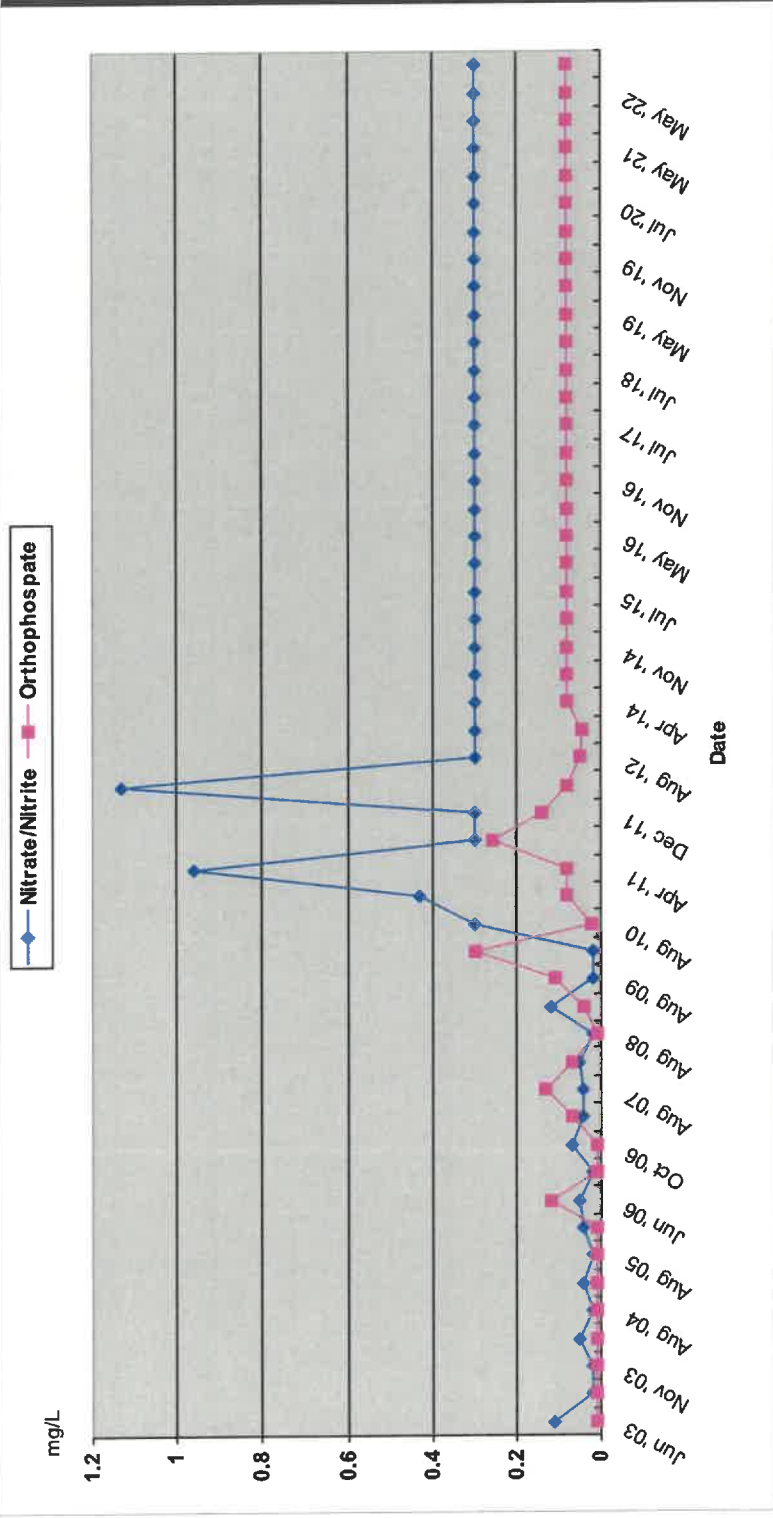
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



# MONITORING CHART FOR 2022 AHR

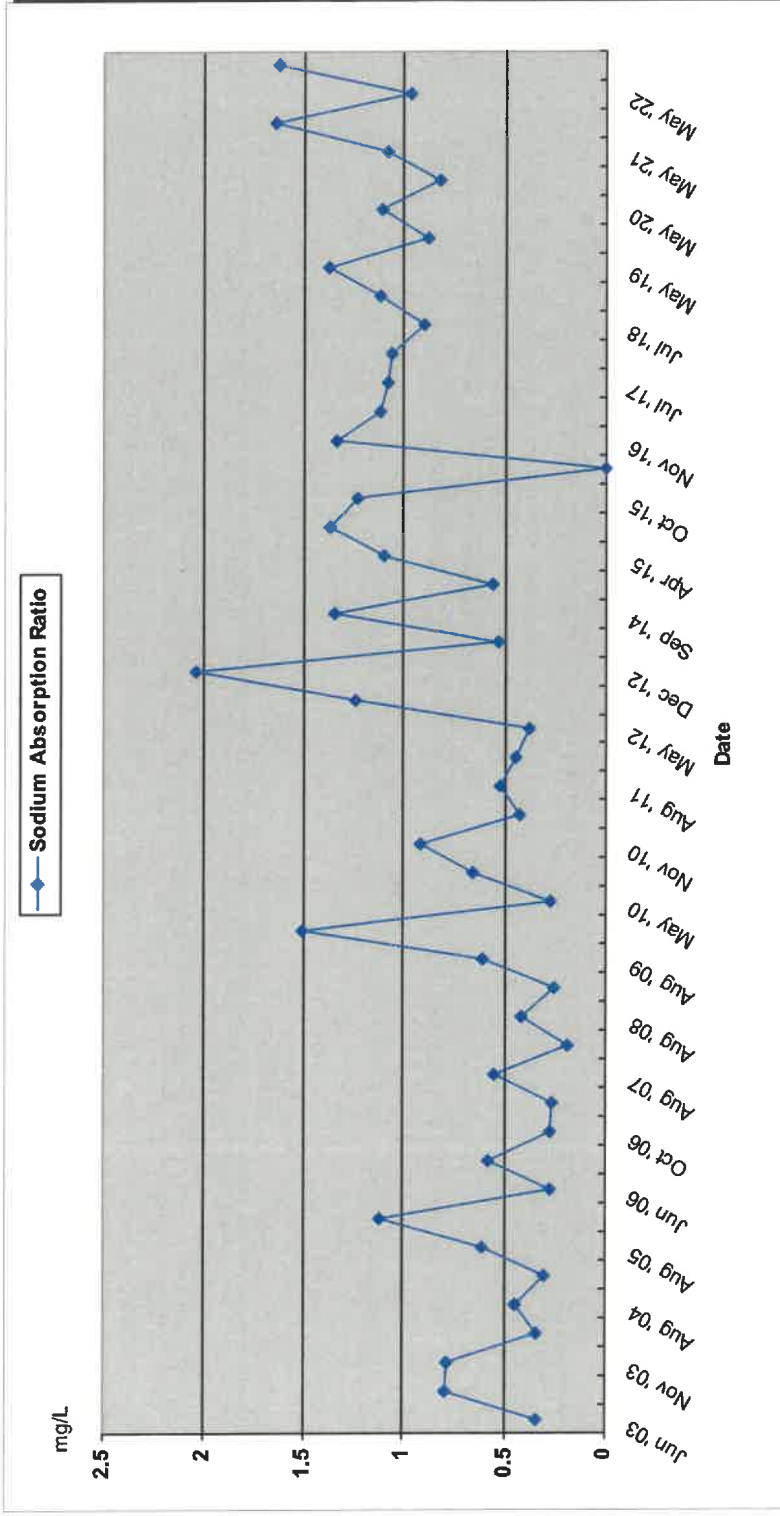
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

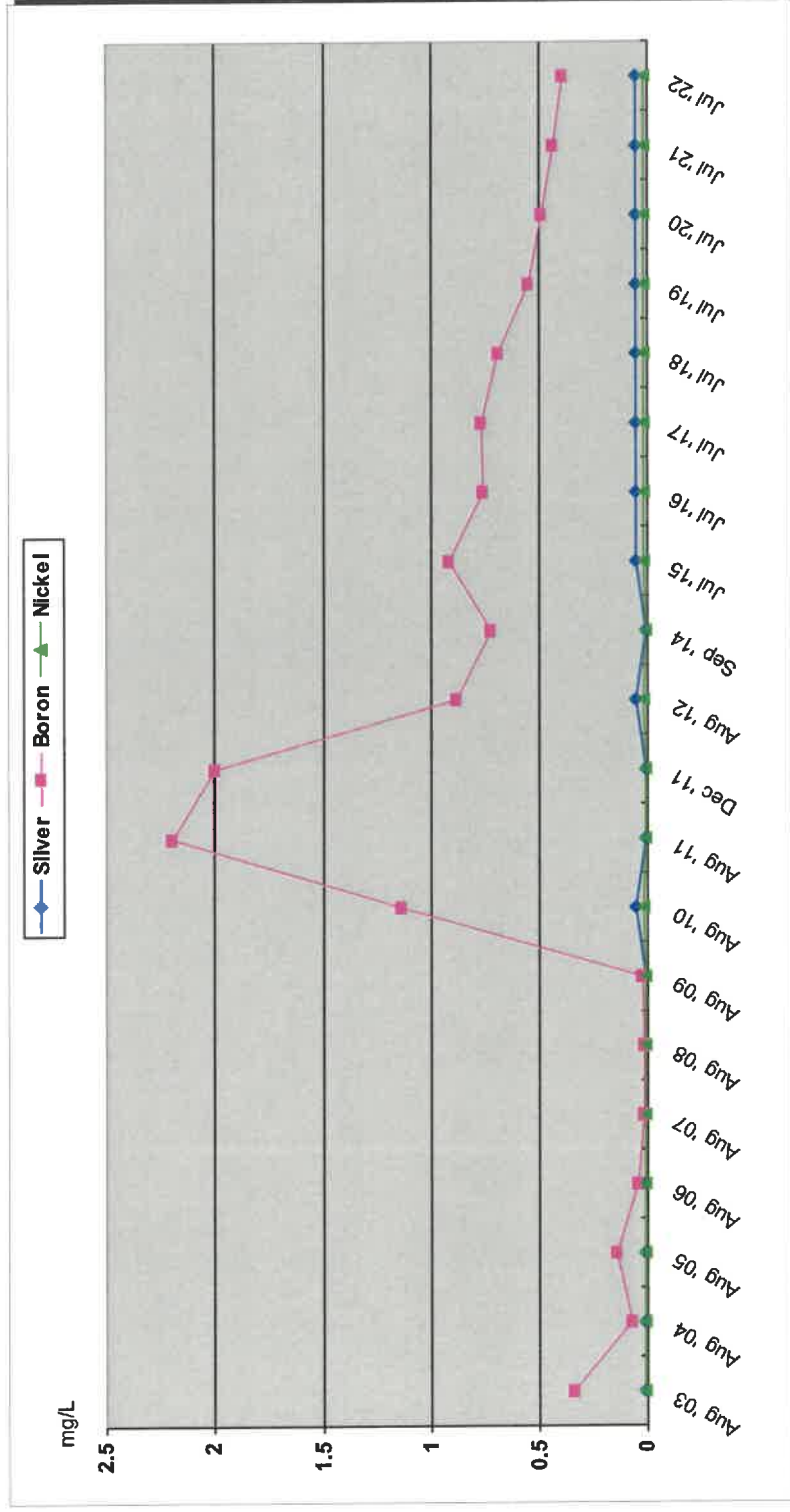
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



# MONITORING CHART FOR 2022 AHR

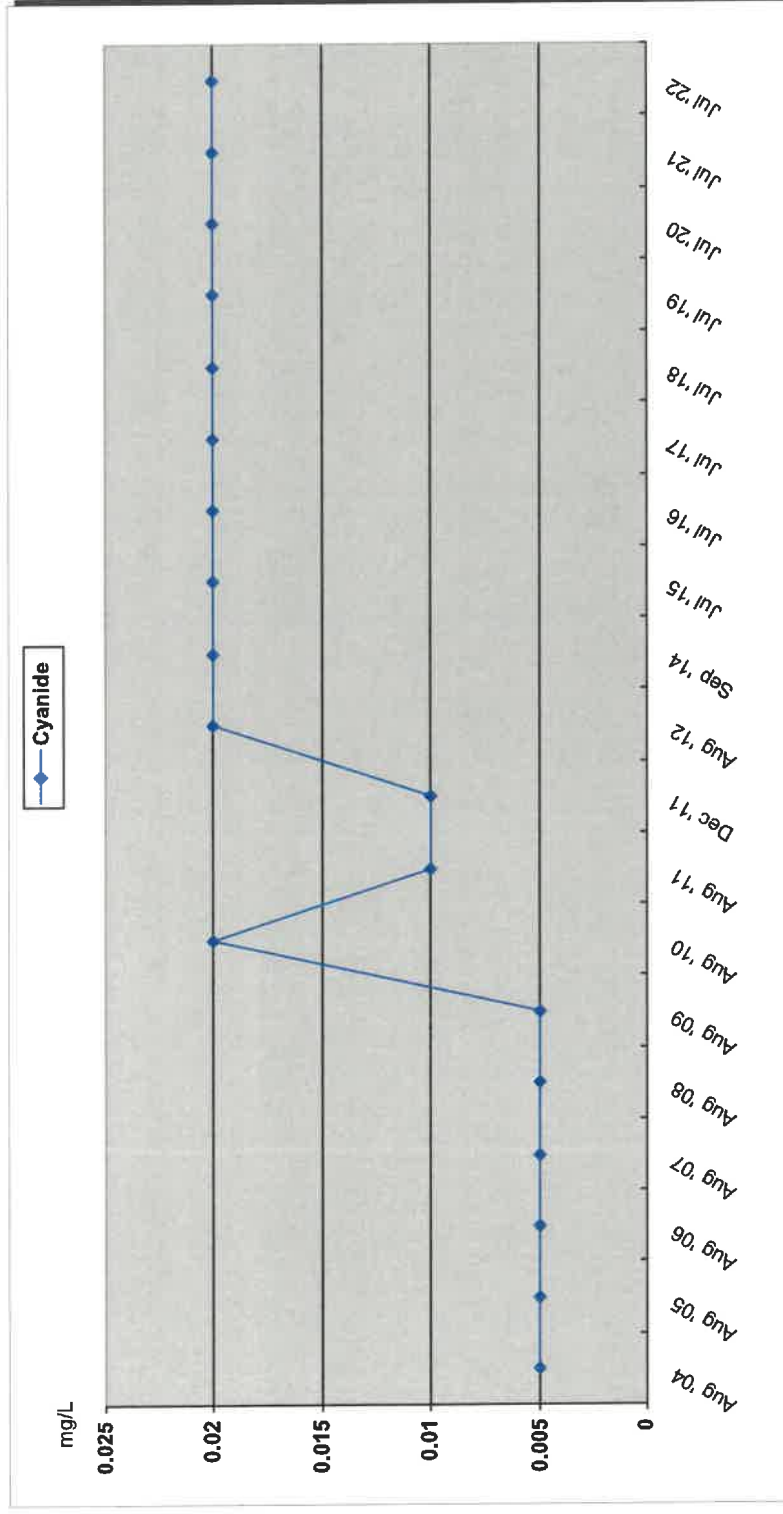
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

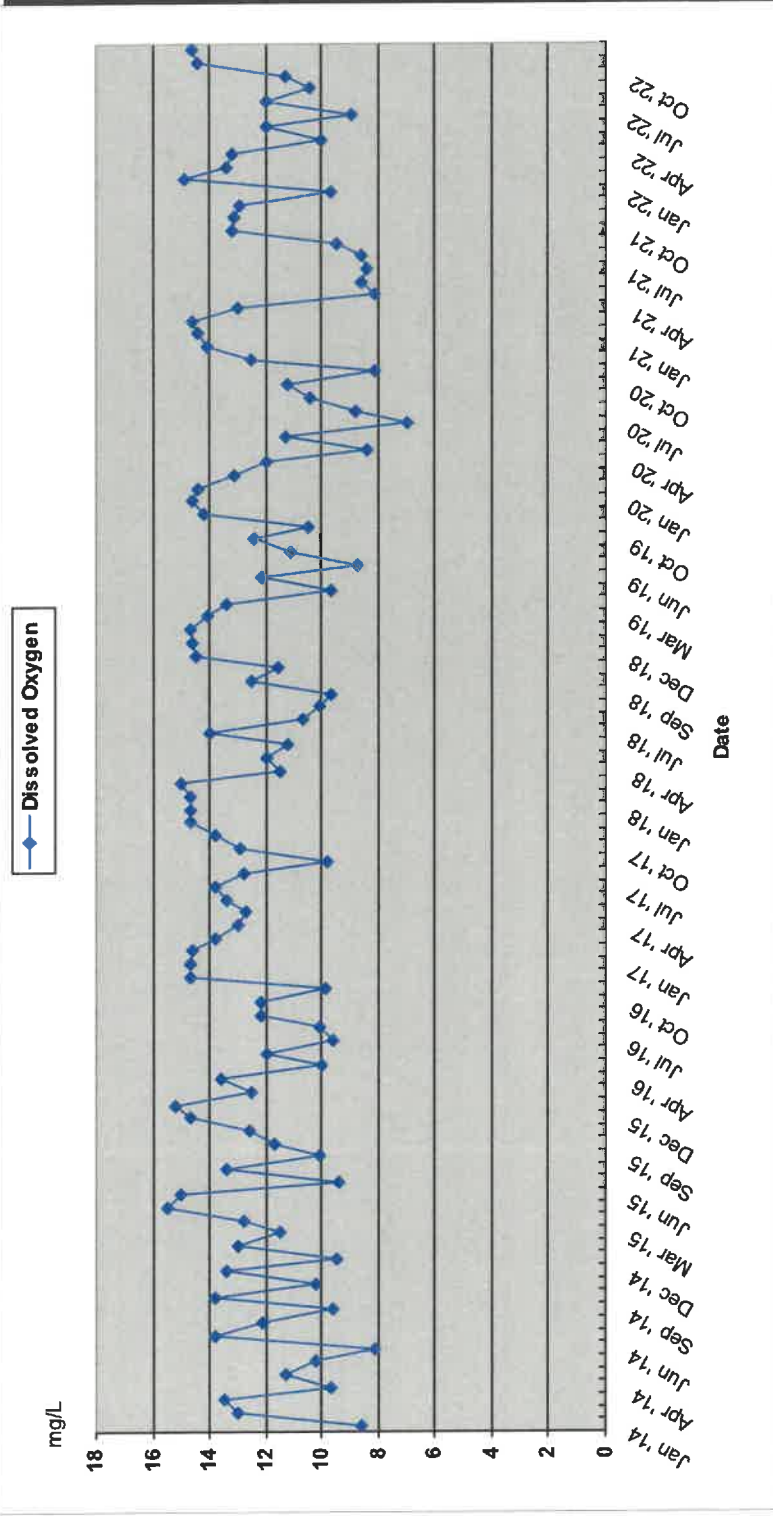
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

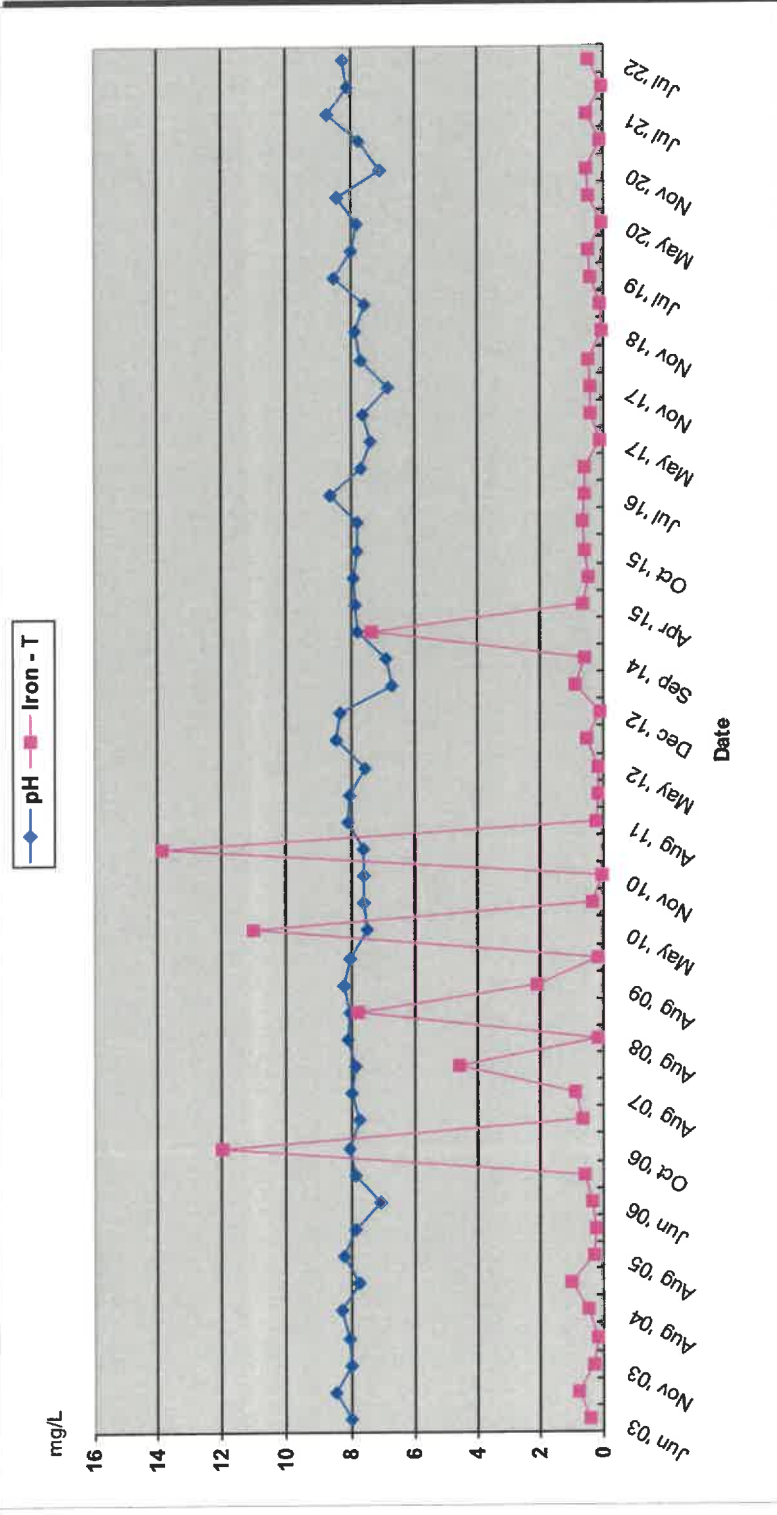
SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: NF-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

HN-1 LOWER HAWK'S NEST CREEK

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond | Cl    | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg  | Mn | Hg | Mo | Se | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|------|-------|------|------|-------|---------|-------|-----|-----|------|------|----|----|----|------|----|----|-----|----|----|----|----|------|----|-----|--------|-------|--------|--|
| 10/12/2022 | 14:30 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 9/8/2022   | 14:30 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 8/12/2022  | 12:00 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 7/18/2022  | 12:00 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 6/7/2022   | 10:00 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 5/9/2022   | 12:20 | 2.2  | 7.3      | 76         | 7.5  | 64    | 8.25 | 286  | 5     | 0.31    | 22.23 | 20  | 276 | 0.08 | 10.1 |    |    |    | 12.8 |    |    | 3.3 |    |    |    |    | 26.7 |    |     |        | 0.075 | 0.014  |  |
| 4/28/2022  | 10:05 | 3.8  | 8.5      | 73         | 3    |       |      |      |       |         |       |     |     |      | 13.8 |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 10/21/2021 | 13:45 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 9/20/2021  | 13:45 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 8/12/2021  | 13:45 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 7/26/2021  | 13:25 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 6/11/2021  | 13:47 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 5/18/2021  | 12:00 | 0.1  | 7.2      | 260        | 9.5  | 49.66 | 7.85 | 220  | 10    | 0.3     | 43.99 | 18  | 160 | 0.08 | 7.9  |    |    |    | 13.8 |    |    | 4.5 |    |    |    |    | 28.8 |    |     |        | 0.096 | 0.016  |  |
| 4/12/2021  | 11:45 | 3.3  | 7.6      | 60         | 3    |       |      |      |       |         |       |     |     |      | 12   |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 10/6/2020  | 12:40 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 9/15/2020  | 11:20 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 8/12/2020  | 13:20 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 7/13/2020  | 14:20 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 6/2/2020   | 9:05  | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 5/18/2020  | 12:30 | 0.02 | 8.1      | 310        | 12.3 | 45.19 | 7.57 | 149  | 28.36 | 0.3     | 22.23 | 16  | 142 | 0.08 | 5.6  |    |    |    | 13.3 |    |    | 3.9 |    |    |    |    | 28.4 |    |     |        | 0.089 | 0.017  |  |
| 4/27/2020  | 10:50 | 2.7  | 7.8      | 70         | 6.4  |       |      |      |       |         |       |     |     |      | 12.4 |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 10/17/2019 | 12:00 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 9/18/2019  | 13:20 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 8/20/2019  | 9:50  | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 7/10/2019  | 12:30 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 6/7/2019   | 10:45 | 0.22 | 8.3      | 250        | 10   |       |      |      |       |         |       |     |     |      | 11.2 |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 5/13/2019  | 13:05 | 6.3  | 8.2      | 80         | 9.1  | 27.78 | 7.63 | 59   | 43.48 | 0.3     | 18.52 | 24  | 392 | 0.08 | 9.5  |    |    |    | 19.5 |    |    | 6.6 |    |    |    |    | 26.1 |    |     |        | 0.094 | 0.016  |  |
| 4/12/2019  | 10:50 | 2.2  | 7.5      | 110        | 2.1  |       |      |      |       |         |       |     |     |      | 14   |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 10/17/2018 | 12:00 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 9/14/2018  | 13:56 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 8/27/2018  | 11:00 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 7/11/2018  | 14:15 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 6/22/2018  | 9:15  | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 5/14/2018  | 10:20 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 4/24/2018  | 13:05 | 1.7  | 8.5      | 120        | 9.9  |       |      |      |       |         |       |     |     |      | 11.3 |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |
| 10/19/2017 | 11:21 | 0    |          |            |      |       |      |      |       |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |    |      |    |     |        |       |        |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3  | pH   | Cond | Cl   | NO3 | NO2   | SO4 | TSS | PO4  | DO   | Al | As | Cd   | Cu | Pb | Mg   | Mn | Hg | Mo   | Se | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dls |       |
|------------|-------|------|----------|------------|-----|-------|------|------|------|-----|-------|-----|-----|------|------|----|----|------|----|----|------|----|----|------|----|------|----|-----|--------|-------|--------|-------|
| 9/11/2017  | 9:00  | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 8/8/2017   | 11:10 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 7/18/2017  | 11:55 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 6/6/2017   | 11:40 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 5/17/2017  | 10:45 | 0.3  | 8.6      | 270        | 6.2 | 54.71 | 7.36 | 290  | 39.8 | 0.3 | 4.94  | 18  | 254 | 0.08 | 12.2 |    |    | 14.1 |    |    | 4.4  |    |    |      |    | 30.1 |    |     | 0      | 0     | 0.108  | 0.019 |
| 4/28/2017  | 9:20  | 1.7  | 9.1      | 140        | 2.7 |       |      |      |      |     |       |     |     |      | 13.6 |    |    |      |    |    |      |    |    |      |    |      |    | 0   | 0      |       |        |       |
| 10/28/2016 | 10:15 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 9/22/2016  | 10:45 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 8/25/2016  | 10:55 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 7/25/2016  | 10:35 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 6/9/2016   | 10:15 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 5/23/2016  | 9:40  | 0.4  | 8.6      | 115        | 7   | 68.71 | 7.71 | 151  | 9.76 | 0.3 | 11.83 | 66  | 134 | 0.08 | 9.9  |    |    | 14.1 |    |    | 4.5  |    |    |      |    | 25.4 |    |     | 0      | 0     | 0.12   | 0.02  |
| 4/26/2016  | 10:00 | 2.5  | 8.4      | 40         | 4.4 |       |      |      |      |     |       |     |     |      | 14.2 |    |    |      |    |    |      |    |    |      |    |      |    | 0   | 0      |       |        |       |
| 10/21/2015 | 9:15  | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 10/13/2015 | 11:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 9/18/2015  | 12:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 8/4/2015   | 1:00  | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 7/21/2015  | 12:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 6/17/2015  | 9:00  | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 5/4/2015   | 1:30  | 0.75 | 9.3      | 170        | 12  | 60.19 | 6.81 | 122  | 4.84 | 0.3 | 5.19  | 16  | 103 | 0.08 | 9.7  |    |    | 14.4 |    |    |      |    |    |      |    | 28.2 |    |     | 0      | 0     | 0.12   | 0.02  |
| 4/14/2015  | 9:30  | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 10/31/2014 |       | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 9/10/2014  | 10:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 8/25/2014  | 13:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 7/8/2014   | 8:45  | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 6/11/2014  | 11:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 5/19/2014  | 13:00 | 0.75 | 9.1      | 100        | 1   |       |      |      |      |     |       |     |     |      | 9.1  |    |    |      |    |    |      |    |    |      |    |      |    | 0   | 0      |       |        |       |
| 4/8/2014   | 10:15 | 1    | 8.7      | 70         | 3.6 | 54.09 | 6.79 | 107  | 8.53 | 0.3 | 15.64 | 54  | 94  | 0.08 | 8.8  |    |    | 24   |    |    | 21.0 |    |    | 8.47 |    |      |    | 0   | 0      | 1.6   | 0.02   |       |
| 10/18/2013 | 10:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 9/9/2013   | 10:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 8/16/2013  | 10:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 7/18/2013  | 13:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 6/5/2013   | 13:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |
| 5/6/2013   | 12:00 | 0.75 | 8.4      | 50         | 8.7 | 49.52 | 7.51 | 190  | 4.56 | 0.3 | 8.23  | 68  | 102 | 0.08 | 9.7  |    |    | 12.4 |    |    | 6.4  |    |    |      |    | 29   |    |     | 0      | 0     | 1.28   | 0.44  |
| 4/22/2013  | 12:50 | 1    | 8.2      | 60         | 7.5 |       |      |      |      |     |       |     |     |      | 16.2 |    |    |      |    |    |      |    |    |      |    |      |    | 0   | 0      |       |        |       |
| 10/10/2012 | 12:00 | 0    |          |            |     |       |      |      |      |     |       |     |     |      |      |    |    |      |    |    |      |    |    |      |    |      |    |     | 0      | 0     |        |       |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem  | HCO3  | pH   | Cond  | Cl   | NO3/NO2 | SO4   | TSS | TDS | PO4  | DO   | Al | As | Cd | Ca   | Cu | Pb | Mg  | Mn | Hg | Mo | Se   | Na   | Zn | Oil | Grease | Fe-Tr | Fe-Dic |  |
|------------|-------|------|----------|------------|------|-------|------|-------|------|---------|-------|-----|-----|------|------|----|----|----|------|----|----|-----|----|----|----|------|------|----|-----|--------|-------|--------|--|
| 9/6/2012   | 13:30 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 8/2/2012   | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 7/30/2012  | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 6/13/2012  | 10:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 6/8/2012   | 11:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 5/9/2012   | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 4/23/2012  | 13:20 | 0.73 | 7.8      | 130        | 15.2 |       |      |       |      |         |       |     |     |      | 16.6 |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 10/7/2011  | 14:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 9/8/2011   | 13:30 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 8/15/2011  | 13:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 7/26/2011  | 13:30 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 6/14/2011  | 13:20 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 5/23/2011  | 2:45  | 2.04 | 8.6      | 140        | 7.6  |       |      |       |      |         |       |     |     |      | 15.6 |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 4/19/2011  | 11:00 | 22.4 | 9.1      | 40         | 2.8  | 43.2  | 7.01 | 70    | 22.4 | 1.03    | 45.28 | 60  | 120 | 0.08 | 8.2  |    |    |    | 2.82 |    |    | 2.6 |    |    |    |      | 13.3 |    |     |        | 2.01  | 1.04   |  |
| 10/27/2010 | 12:45 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 9/9/2010   | 1:15  | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 8/5/2010   | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 7/15/2010  | 1:00  | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 6/4/2010   | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 5/18/2010  | 10:45 | 1.1  | 9.6      | 100        | 9.5  | 54.37 | 7.65 | 138.7 | 21.8 | 1.16    | 18.11 | 15  | 118 | 0    | 8.2  |    |    |    | 10.5 |    |    | 4.0 |    |    |    | 7.58 |      |    |     |        | 0.28  | 0.21   |  |
| 10/12/2009 | 2:00  | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 9/25/2009  | 1:30  | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 8/5/2009   | 12:30 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 7/17/2009  | 12:45 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 6/22/2009  | 9:30  | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 5/6/2009   | 9:30  | 6.13 | 7.8      | 70         | 5.1  | 47    | 7.75 | 75    | 1    | 0.08    | 5     | 5   | 74  | 0.02 | 16   |    |    |    | 9.1  |    |    | 3.3 |    |    |    | 4.3  |      |    |     |        | 1.4   | 0.09   |  |
| 4/29/2009  | 10:30 | 6.13 | 8.2      | 60         | 4.6  |       |      |       |      |         |       |     |     |      | 16.9 |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 10/15/2008 | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 9/11/2008  | 12:15 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 8/5/2008   | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 7/29/2008  | 9:00  | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 6/18/2008  | 10:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 5/23/2008  | 10:45 | 1.47 | 8.5      | 110        | 6.7  |       |      |       |      |         |       |     |     |      | 7.7  |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 4/18/2008  | 13:30 | 6.23 | 8.1      | 60         | 6    |       |      |       |      |         |       |     |     |      | 12.8 |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 10/24/2007 | 13:30 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |
| 9/11/2007  | 12:00 | 0    |          |            |      |       |      |       |      |         |       |     |     |      |      |    |    |    |      |    |    |     |    |    |    |      |      |    |     |        |       |        |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem  | HCO3 | pH | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO   | Al | As | Cd | Ca | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |
|------------|-------|-------|----------|------------|------|------|----|------|----|---------|-----|-----|-----|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 8/7/2007   | 12:30 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/17/2007  | 12:45 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/15/2007  | 12:30 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/15/2007  | 11:10 | 3     | 7.88     | 180        | 8.2  |      |    |      |    |         |     |     |     |     | 10.5 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/26/2007  | 14:50 | 2.9   | 8.05     | 80         | 8.3  |      |    |      |    |         |     |     |     |     | 11.4 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/17/2006 | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/27/2006  | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/10/2006  | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/21/2006  | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/9/2006   | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/26/2006  | 9:50  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/17/2006  | 14:40 | 14.42 | 7.5      | 60         | 11.6 |      |    |      |    |         |     |     |     |     | 13.8 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/17/2005 | 11:30 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/22/2005  | 1:00  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/30/2005  | 12:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/5/2005   | 8:15  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/25/2005  | 2:00  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/15/2005  | 9:50  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/9/2005   | 1:10  | 5.7   | 8.28     | 80         | 12   |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/19/2005  | 10:20 | 27.1  | 7.9      | 100        | 6    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/8/2004  | 14:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/27/2004  | 8:30  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/23/2004  | 11:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/23/2004  | 11:20 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/22/2004  | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/20/2004  | 10:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/14/2004  | 14:10 | 2.1   | 9.03     | 70         | 9    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/13/2003 | 14:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/17/2003  | 14:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/26/2003  | 9:50  | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/28/2003  | 12:05 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/17/2003  | 14:00 | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/13/2003  | 12:30 | 3.6   | 8.6      | 70         | 8    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/10/2003  | 14:10 | 4     | 8.52     | 900        | 7    |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/6/2002   |       | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/20/2002  |       | 0     |          |            |      |      |    |      |    |         |     |     |     |     |      |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | TDS | PO4  | DO | Al   | As    | Cd    | Ca   | Cu    | Pb   | Mg  | Mn    | Hg     | Mo   | Se    | Na   | Zn    | Oil | Grease | Fe-Tr | Fe-Dist |  |
|------------|-------|-------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|------|----|------|-------|-------|------|-------|------|-----|-------|--------|------|-------|------|-------|-----|--------|-------|---------|--|
| 6/25/2002  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     | 0      |       |         |  |
| 12/29/2001 | 11:15 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 11/27/2001 | 11:10 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 10/30/2001 | 12:40 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 9/28/2001  | 11:25 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 8/28/2001  | 12:10 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 7/23/2001  | 11:20 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 6/29/2001  | 12:35 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 5/30/2001  | 13:00 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 4/26/2001  | 11:25 | 25.8  | 7.6      | 100        | 9   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 3/30/2001  | 9:30  | 64.2  | 7.5      | 200        | 6   | 62   | 7.78 | 121  | 2  | 0.02    | 11  | 5   | 250 | 0.03 |    | 8.12 | 0.002 | 0.005 | 13.6 | 0.009 | 0.05 | 6.6 | 0.061 | 0.0002 | 0.05 | 0.002 | 7.1  | 0.04  |     |        | 7.1   |         |  |
| 2/27/2001  | 11:55 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 1/25/2001  | 11:45 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 12/28/2000 | 14:39 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 11/22/2000 | 9:41  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 10/20/2000 | 8:10  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 9/28/2000  | 8:45  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 8/24/2000  | 7:37  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 7/25/2000  | 2:40  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 6/18/2000  | 9:36  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 5/17/2000  | 16:40 | 10    | 8.2      | 120        | 14  |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 4/25/2000  | 8:40  | 5841  | 8.3      | 100        | 10  |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 3/28/2000  | 11:15 | 78.25 | 7.4      | 100        | 7   | 43   | 7.55 | 109  | 1  | 0.03    | 10  | 5   | 101 | 0.04 |    | 2.17 | 0.002 | 0.005 | 10.6 | 0.046 | 0.05 | 3.0 | 0.015 | 0.0002 | 0.05 | 0.002 | 8.9  | 0.023 |     |        | 1.62  |         |  |
| 2/28/2000  | 9:40  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 1/25/2000  | 9:20  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 12/22/1999 | 8:10  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 11/24/1999 | 10:19 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 10/28/1999 | 10:15 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 9/23/1999  | 8:41  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 8/17/1999  | 9:52  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 7/26/1999  | 9:21  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 6/29/1999  | 12:05 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 5/25/1999  | 9:10  | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 4/21/1999  | 12:31 | 2959  | 8.2      | 80         | 7   |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |
| 3/30/1999  | 13:20 | 6321  | 8.5      | 70         | 5   | 40   | 6.86 | 67   | 1  | 0.05    | 10  | 5   | 89  | 0.03 | 0  | 2.74 | 0.002 | 0.005 | 7.51 | 0.01  | 0.1  | 2.7 | 0.021 | 0.0005 | 0.05 | 0.002 | 5.53 | 0.033 |     |        | 2.39  |         |  |
| 2/10/1999  | 10:15 | 0     |          |            |     |      |      |      |    |         |     |     |     |      |    |      |       |       |      |       |      |     |       |        |      |       |      |       |     |        |       |         |  |

# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TSS | PO4  | DO   | Al     | As     | Cd     | Ca     | Cu     | Pb    | Mg    | Mn      | Hg      | Mo     | Sa   | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dis |  |
|------------|-------|------|----------|------------|-----|------|------|------|----|---------|-----|-----|------|------|--------|--------|--------|--------|--------|-------|-------|---------|---------|--------|------|----|----|-----|--------|-------|--------|--|
| 1/29/1998  | 8:19  | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 9/11/1997  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 8/21/1997  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 7/29/1997  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 6/23/1997  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 5/22/1997  |       | 992  | 8.2      | 400        | 8   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 4/7/1997   |       | 1364 | 8.3      | 400        | 5   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 3/11/1997  |       |      |          |            |     |      | 7.56 | 179  | 2  | -0.02   | 16  | -5  | 140  | 0.02 | 0.41   | -0.002 | -0.005 | 16.4   | -0.005 | -0.05 | 5.4   | 0.005   | -0.0002 | -0.002 | 14.2 |    |    |     |        |       | 0.34   |  |
| 3/11/1997  |       | 877  | 8.7      | 520        | 6   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 2/27/1997  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 1/10/1997  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 12/13/1996 |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 11/26/1996 |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 10/8/1996  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 9/5/1996   |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 8/2/1996   |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 7/16/1996  |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 6/5/1996   |       | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 5/9/1996   |       | 524  | 8.8      | 90         | 11  |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 4/8/1996   |       | 5340 | 8.6      | 60         | 8   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 3/4/1996   | 10:27 | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 2/5/1996   | 12:32 | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 1/4/1996   | 9:38  | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 12/5/1995  | 11:47 | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 11/3/1995  | 9:17  | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 10/2/1995  | 13:53 | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 9/7/1995   | 8:01  | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 8/2/1995   | 13:45 | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 7/10/1995  | 12:38 | 5.1  | 8.5      | 240        | 16  |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 6/7/1995   | 10:43 |      |          |            |     |      | 7.64 | 120  | 1  | 0.05    | 7   | 100 | 0.01 | 0.89 | -0.002 | -0.005 | 12     | -0.005 | -0.05  | 4.2   | 0.006 | -0.0002 | 0.022   | 8.4    |      |    |    |     |        |       | 0.85   |  |
| 6/7/1995   | 10:43 | 3120 | 9.1      | 80         | 9   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 5/2/1995   | 10:44 | 5850 | 8.4      | 40         | 5   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 4/3/1995   | 12:33 | 620  | 8.3      | 70         | 5   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 3/13/1995  | 8:07  |      |          |            |     |      | 7.89 | 110  | -1 | 0.03    | -5  | 110 | 0.03 | 0.86 | -0.001 | -0.005 | 11.5   | 0.005  | -0.05  | 3.5   | 0.007 | -0.0002 | 0.003   | 7.05   |      |    |    |     |        |       | 0.79   |  |
| 3/13/1995  | 8:07  | 975  | 8.4      | 100        | 3   |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |
| 2/6/1995   | 11:24 | 0    |          |            |     |      |      |      |    |         |     |     |      |      |        |        |        |        |        |       |       |         |         |        |      |    |    |     |        |       |        |  |

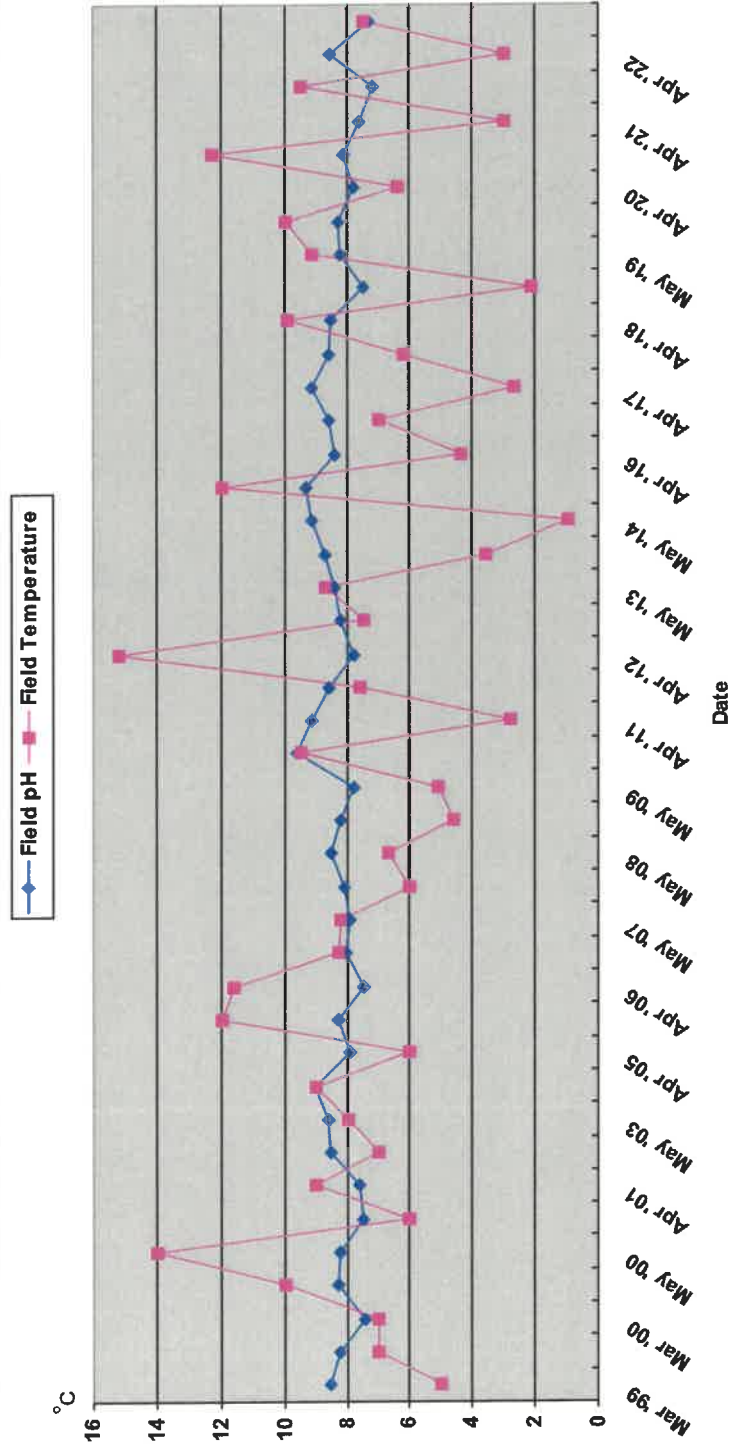
# MONITORING DATA FOR 2022 AHR

SURFACE WATER LOCATION: HN-1

| Date       | Time  | Flow  | Field pH | Field Cond | Tem | HCO3 | pH   | Cond | CI | NO3/NO2 | SO4 | TSS | TDS | PO4 | DO | Al | As | Cd | Ca | Cu | Pb | Mg | Mn | Hg | Mo | Se | Na | Zn | Oil | Grease | Fe-Tr | Fe-Dls |
|------------|-------|-------|----------|------------|-----|------|------|------|----|---------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------|-------|--------|
| 1/3/1995   | 11:24 | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/5/1994  | 12:28 | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/10/1994 | 9:52  | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/4/1994  | 11:05 | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/14/1994  | 10:56 | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/8/1994   | 8:20  | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/12/1994  | 11:28 | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 6/9/1994   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 5/31/1994  | 12:09 | 8     | 8.2      | 210        | 12  |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/30/1994  | 13:50 |       |          |            |     | 48   | 7.90 | 98   |    |         |     | -2  | 84  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/30/1994  | 13:50 | 1100  | 8.6      | 130        | 10  |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/31/1994  | 11:35 | 350   | 7        | 210        | 13  |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/31/1994  | 11:35 |       |          |            |     | 50   | 7.80 | 126  |    |         |     | 4   | 90  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 12/21/1993 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 11/10/1993 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 10/29/1993 |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 9/8/1993   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 8/30/1993  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/28/1993  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 7/1/1993   |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/30/1993  | 13:00 |       |          |            |     | 36   | 8.00 | 67   |    |         |     | 28  | 74  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 4/30/1993  | 13:00 | 15720 | 8.4      | 1900       | 7   |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/19/1993  | 13:00 |       |          |            |     | 72   | 8.00 | 152  |    |         |     | -2  | 104 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 3/19/1993  | 13:00 | 1500  | 8.5      | 90         | 4   |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 2/26/1993  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |
| 1/30/1993  |       | 0     |          |            |     |      |      |      |    |         |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |        |       |        |

# MONITORING CHART FOR 2022 AHR

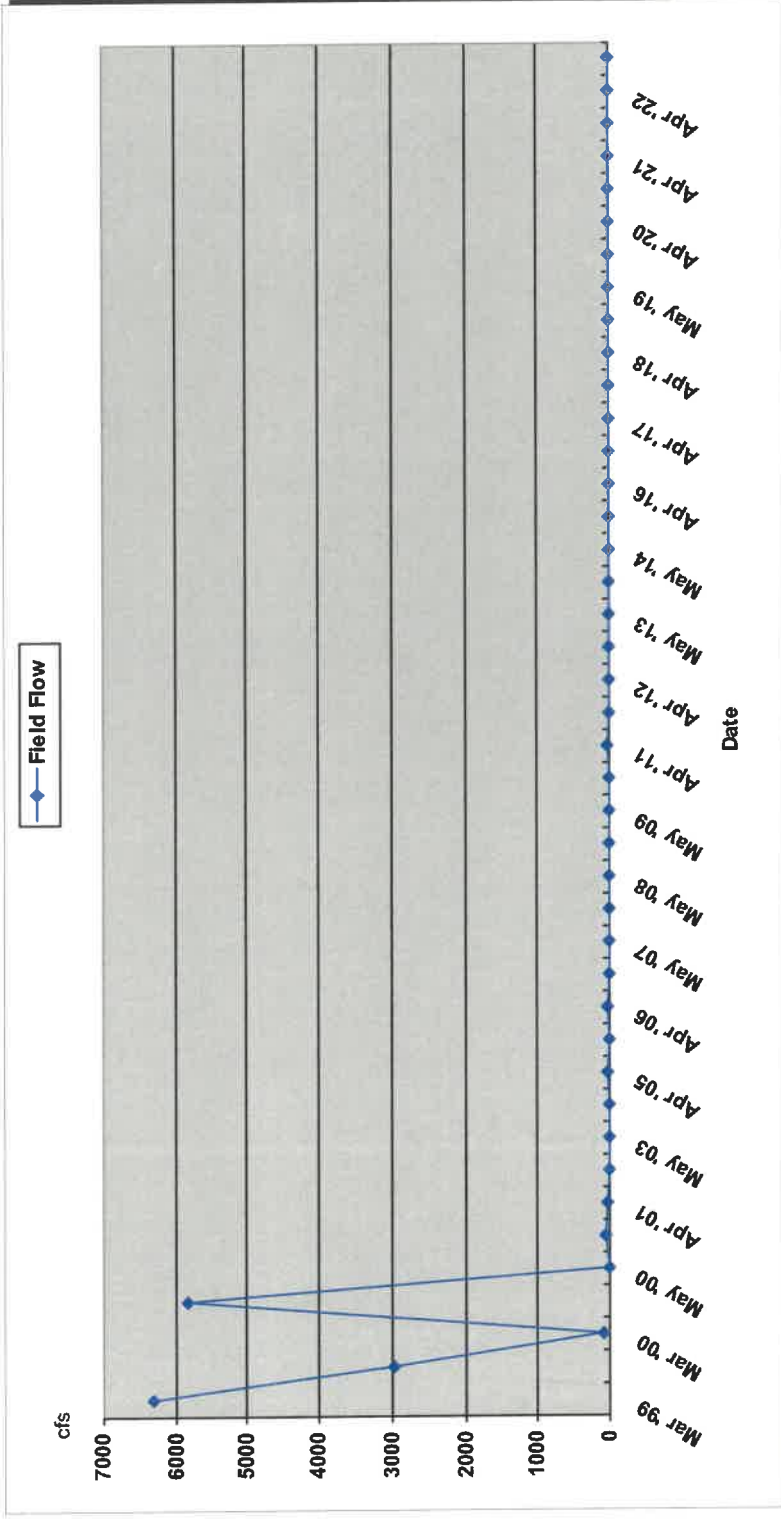
SURFACE WATER LOCATION: HN-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

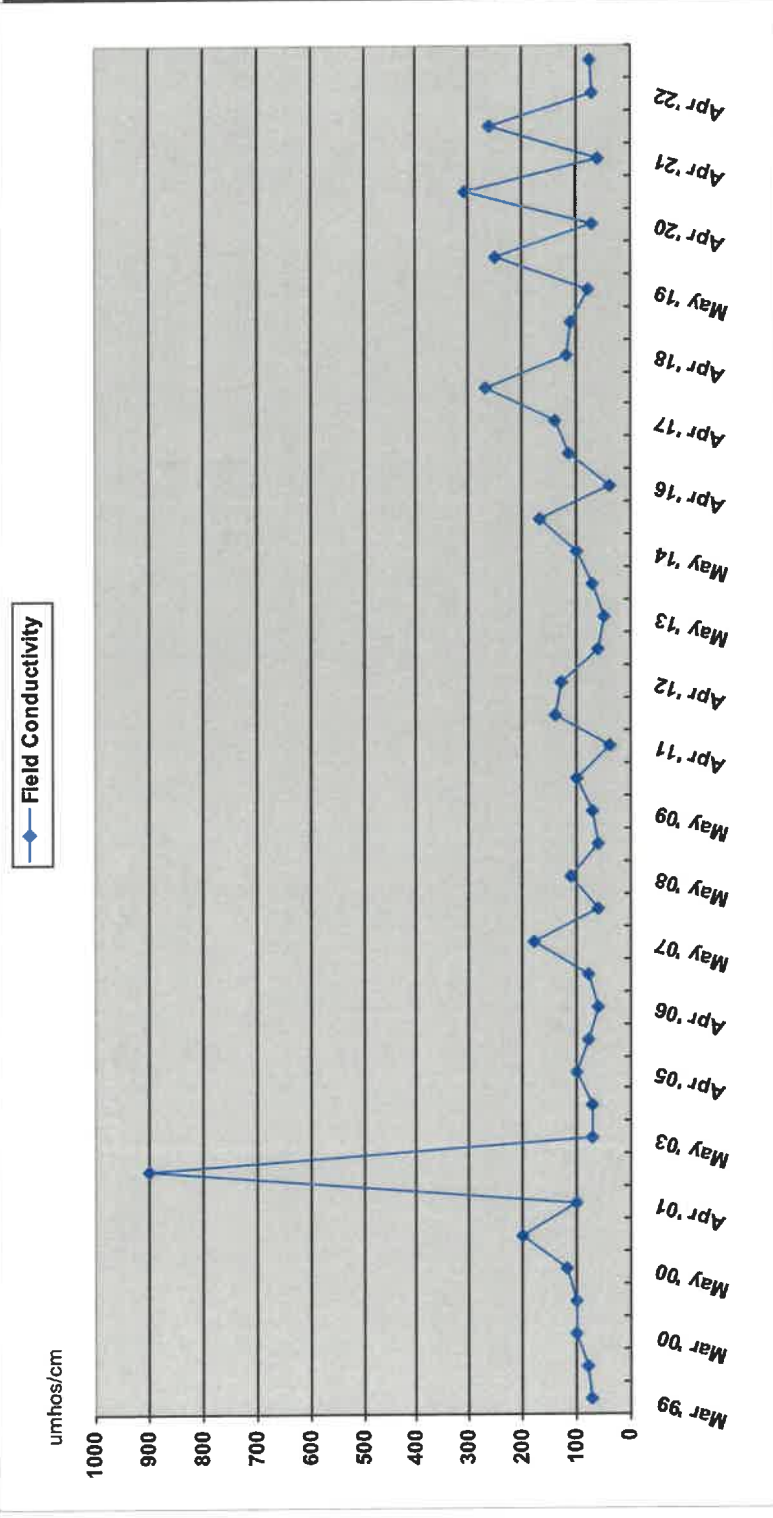
SURFACE WATER LOCATION: HN-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

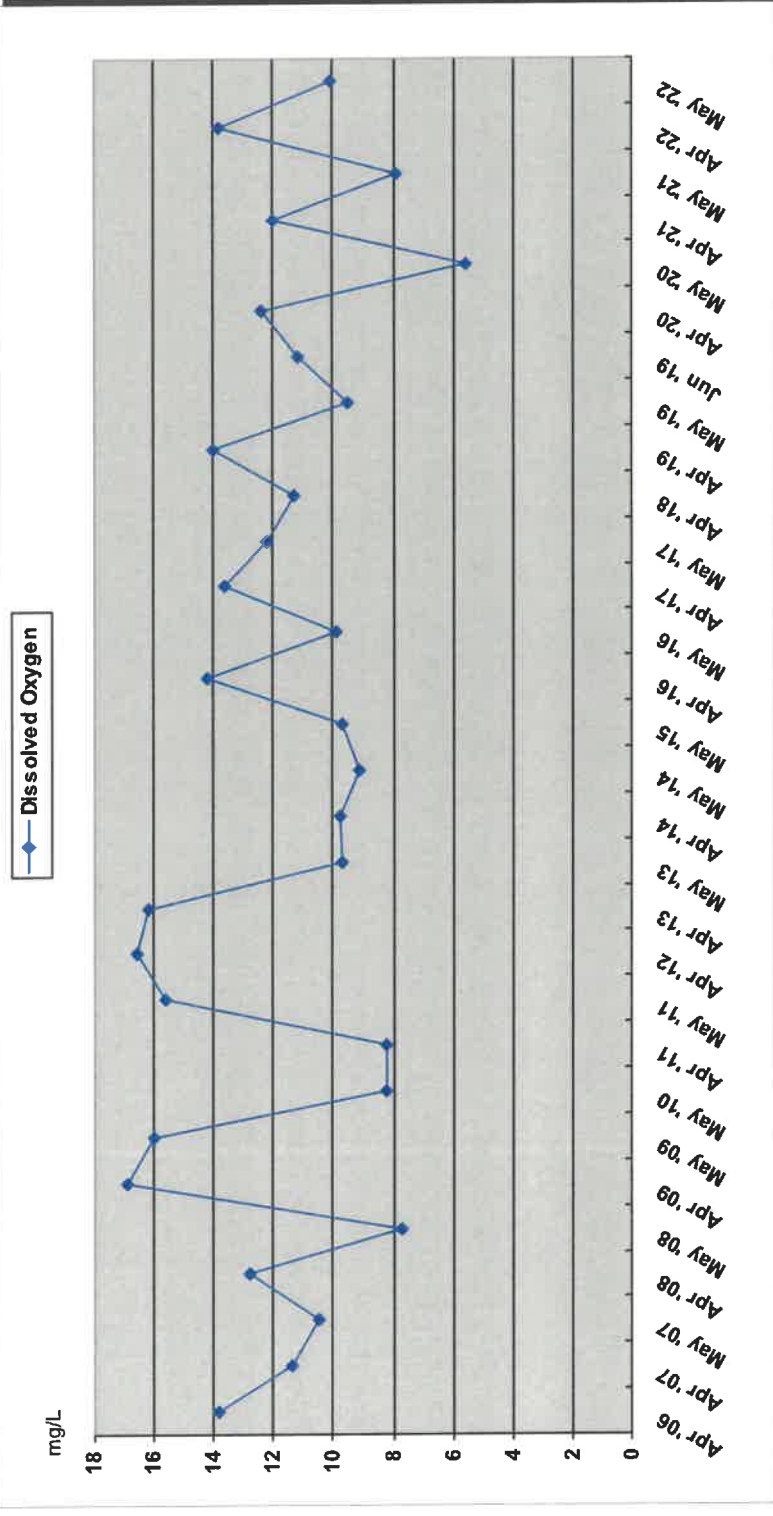
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: HN-1



# MONITORING CHART FOR 2022 AHR

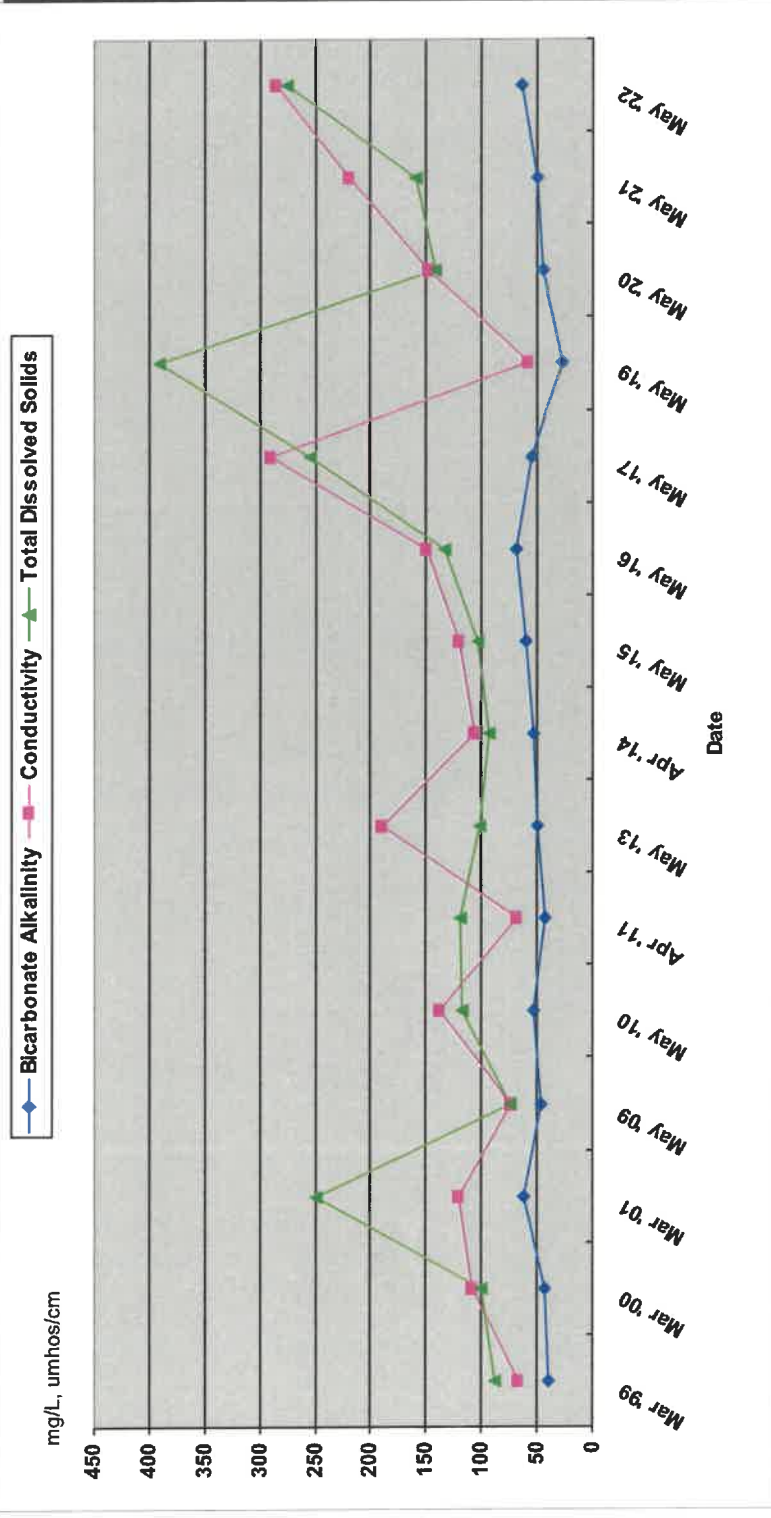
SURFACE WATER LOCATION: HN-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

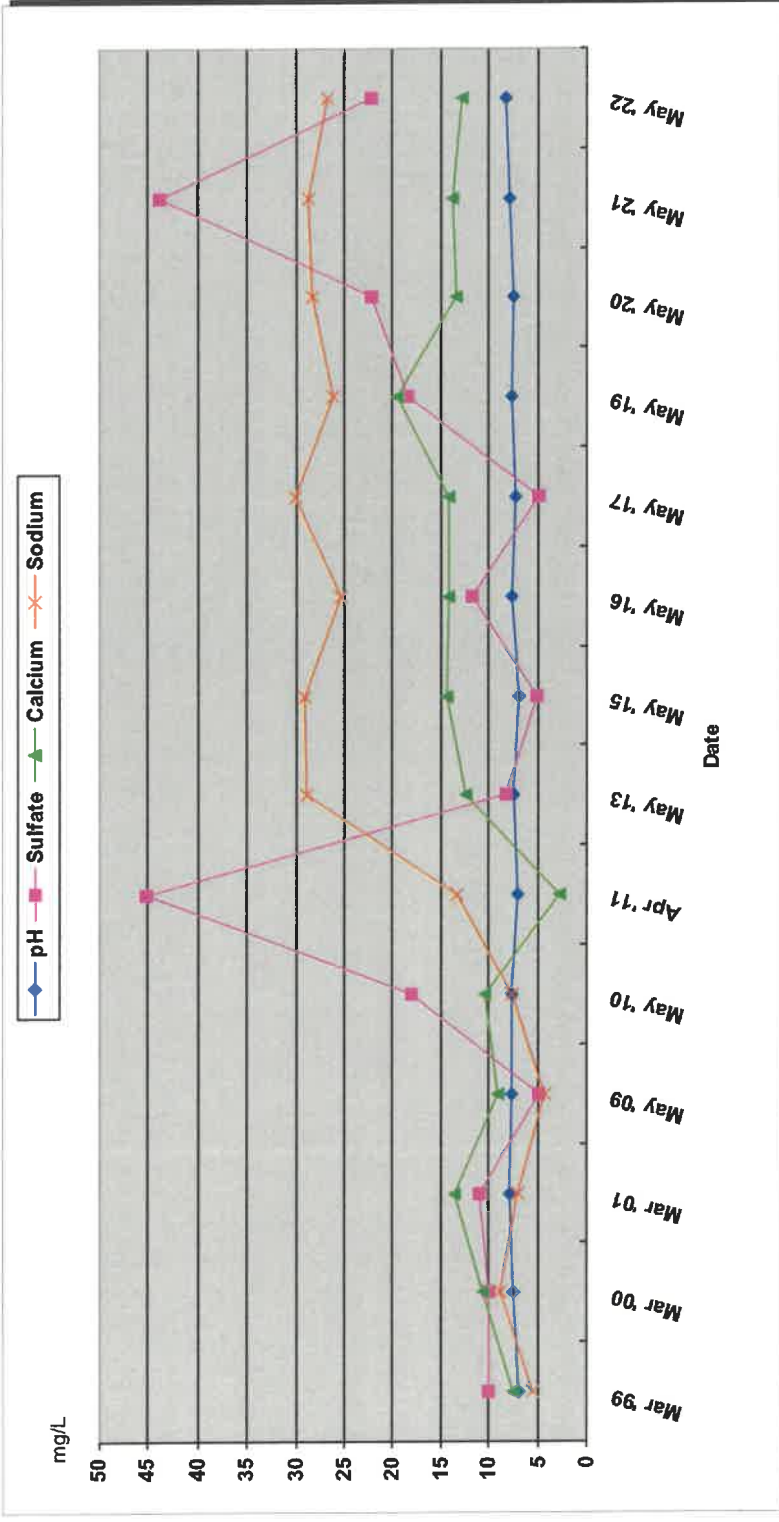
# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: HN-1



# MONITORING CHART FOR 2022 AHR

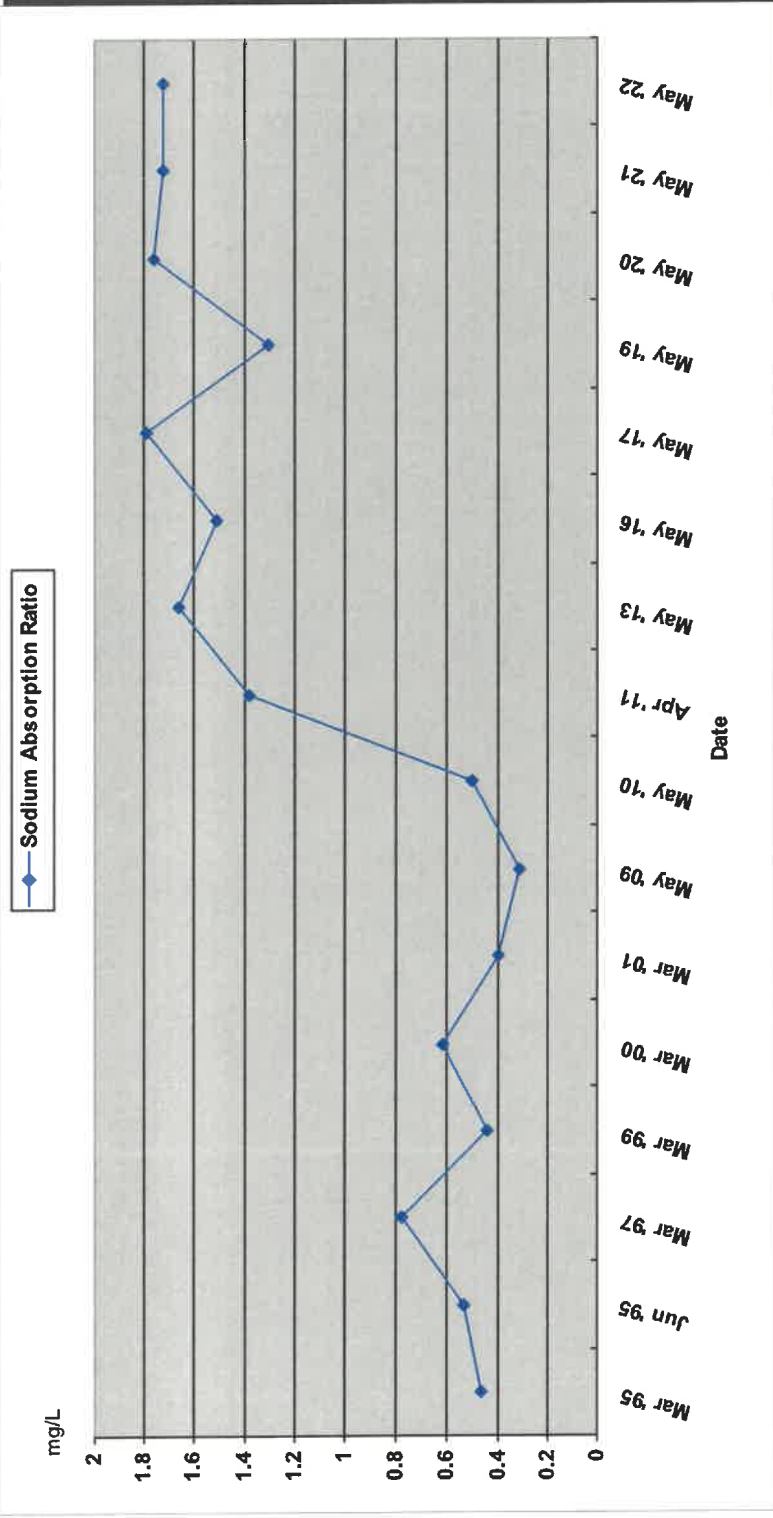
SURFACE WATER LOCATION: HN-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

# MONITORING CHART FOR 2022 AHR

SURFACE WATER LOCATION: HN-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 17-Feb-23

SP-8 DRY SINCE 1998

SP-9 DRY SINCE 2001

## EXHIBIT 2

**H-10 WELL**

**B SEAM – SOMERSET MINE WORKINGS  
HUBBARD CREEK DRAINAGE**

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: H-10

| Date      | Time  | DEPTH  | Field pH | Field Cond | Tem | NH3 | HCO3 | CO3 | pH   | Cond | Cl  | NO3/NO2 | SO4 | TDS  | TSS | PO4  | As    | Cd    | Ca | Fe-Tr | Fe-Dls | Mnd   | Mntr  | Mg | Hg | Se | Na  | Zn    |   |
|-----------|-------|--------|----------|------------|-----|-----|------|-----|------|------|-----|---------|-----|------|-----|------|-------|-------|----|-------|--------|-------|-------|----|----|----|-----|-------|---|
| 9/16/2022 | 14:30 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/24/2022 | 12:30 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 9/27/2021 | 14:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/18/2021 | 13:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 9/14/2020 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/12/2020 | 11:45 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/20/2019 | 12:45 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 9/17/2018 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/15/2018 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 9/12/2017 | 13:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/22/2017 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 9/28/2016 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/20/2016 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 8/18/2015 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 8/18/2015 | 13:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/16/2015 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/10/2015 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 9/11/2014 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/24/2014 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 7/18/2013 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/18/2013 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 8/2/2012  | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/19/2012 | 12:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 7/25/2011 | 9:00  | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/23/2011 | 8:00  | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 8/6/2010  | 13:30 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 6/15/2010 | 10:00 | 0      |          |            |     |     |      |     |      |      |     |         |     |      |     |      |       |       |    |       |        |       |       |    |    |    |     |       |   |
| 8/4/2009  | 10:00 | 279.25 | 7.7      | 3900       | 24  | 10  | 2300 | 1   | 7.27 | 4200 | 280 | 0.34    | 5   | 3200 |     | 0.23 | 0.006 | 0.005 | 49 | 66    | 8.5    | 0.430 | 1.1   |    |    |    | 950 | 0.047 |   |
| 6/16/2009 | 1:00  | 280.3  | 7.1      | 3900       | 20  | 10  | 2400 | 1   | 7.45 | 3900 | 270 | 0.02    | 5   | 3100 |     | 0.24 | 0.01  | 0.005 | 53 | 39    | 9.4    | 0.504 | 0.852 |    |    |    | 960 | 0.038 |   |
| 8/8/2008  | 10:00 | 0      | 0        | 0          | 0   | 0   | 0    | 0   | 0    | 0    | 0   | 0       | 0   | 0    | 0   | 0    | 0     | 0     | 0  | 0     | 0      | 0     | 0     | 0  | 0  | 0  | 0   | 0     | 0 |
| 8/1/2008  | 10:00 | 0      | 0        | 0          | 0   | 0   | 0    | 0   | 0    | 0    | 0   | 0       | 0   | 0    | 0   | 0    | 0     | 0     | 0  | 0     | 0      | 0     | 0     | 0  | 0  | 0  | 0   | 0     | 0 |
| 6/19/2008 | 11:00 | 0      | 0        | 0          | 0   | 0   | 0    | 0   | 0    | 0    | 0   | 0       | 0   | 0    | 0   | 0    | 0     | 0     | 0  | 0     | 0      | 0     | 0     | 0  | 0  | 0  | 0   | 0     | 0 |
| 6/18/2008 | 10:00 | 0      | 0        | 0          | 0   | 0   | 0    | 0   | 0    | 0    | 0   | 0       | 0   | 0    | 0   | 0    | 0     | 0     | 0  | 0     | 0      | 0     | 0     | 0  | 0  | 0  | 0   | 0     | 0 |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: H-10

| Date       | Time  | DEPTH  | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3  | pH   | Cond | Cl  | NO3/NO2 | SO4 | TDS  | TSS | PO4   | As     | Cd     | Ca     | Fe-Tr | Fe-Dis | Mnd   | Mntr  | Mg   | Hg      | Se     | Na   | Zn |
|------------|-------|--------|----------|------------|-----|------|------|------|------|------|-----|---------|-----|------|-----|-------|--------|--------|--------|-------|--------|-------|-------|------|---------|--------|------|----|
| 8/10/2006  | 10:00 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 6/9/2006   | 12:00 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/17/2005 | 11:45 | 0      |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 8/6/2005   | 10:00 | 0      |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 8/23/2004  | 12:00 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 6/22/2004  | 14:30 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 8/26/2003  | 11:15 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 6/17/2003  |       | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 9/23/2002  |       | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/30/2001 | 13:55 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 4/26/2001  | 14:15 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/2/2000  | 13:39 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 4/26/2000  | 14:34 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/22/1999 | 13:10 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/16/1999 | 15:10 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/12/1999 | 16:15 | 0      | 0        | 0          | 0   |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 4/21/1999  | 20:15 | 307    | 7.8      | 4500       | 20  |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/23/1997 |       | 307    |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/23/1997 |       |        |          |            |     | 2.9  | 2503 | 37   | 8.46 | 4440 | 276 | 0.03    | 2.4 | 2753 |     | 0.04  | -0.002 | -0.005 | 6.53   | 3.59  | 0.44   | 0.018 | 0.033 | 3.15 | -0.0002 | -0.002 | 1190 |    |
| 4/29/1997  |       | 307    | 7.7      | 4700       |     | 20   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/22/1996 |       |        |          |            |     | 3.2  | 2520 | -1   | 7.66 | 4290 | 300 | -0.02   | 5.8 | 2740 |     | 0.03  | 0.004  | -0.005 | -0.005 | 18.5  | 0.06   | 0.014 | 0.16  | 2.9  | -0.0002 | -0.002 | 1130 |    |
| 10/22/1996 |       | 307.9  | 7.9      | 4600       |     | 13   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 4/25/1996  |       | 308.1  | 8        | 4200       |     | 20   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/10/1995 | 7:10  |        |          |            |     | 2.7  | 2380 | 120  | 8.77 | 4400 | 290 | 0.14    |     | 2800 |     | 0.04  | -0.002 | -0.005 | 6.2    | 3.11  | 0.02   | 0.017 | 0.03  | 2.6  | -0.0002 | -0.002 | 1100 |    |
| 10/10/1995 | 7:10  | 308.5  | 7.8      | 4800       |     | 15   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 4/6/1995   | 10:25 | 308.25 | 7.8      | 4500       |     | 20   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 10/11/1994 | 10:42 |        |          |            |     | 2.56 | 2660 | -0.5 | 8.39 | 4690 | 300 | 0.26    |     | 2840 |     | 0.08  | 0.005  | 0.005  | 7.2    | 11.3  | 0.06   | 0.030 | 0.12  | 3.2  | 0.0003  | 0.026  | 1100 |    |
| 10/11/1994 | 10:42 | 308.5  | 7.6      | 4800       |     | 19   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 4/30/1994  | 10:12 |        |          |            |     | 2.51 | 1922 | 0    | 7.80 | 4510 | 289 |         |     | 2816 |     | 0.017 | 0.005  | -0.005 | 6      | 3.6   | 0.3    | 0.020 |       | 3    | -0.0002 | 0.001  | 1010 |    |
| 4/30/1994  | 10:12 | 308.67 | 8.3      | 4800       |     | 19   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 11/10/1993 | 11:20 |        |          |            |     |      |      |      |      |      |     |         |     |      | 10  |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 11/10/1993 | 11:20 |        |          | 5400       |     | 19   |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
| 8/30/1993  | 8:00  |        |          |            |     | 3.14 | 2080 | 0    | 8.20 | 4430 | 301 | 0.13    |     | 2818 |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      | 132 |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |
|            |       |        |          |            |     |      |      |      |      |      |     |         |     |      |     |       |        |        |        |       |        |       |       |      |         |        |      |    |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: H-10

| Date      | Time  | DEPTH | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3 | pH   | Cond | Cl  | NO3/NO2 | SO4 | TDS  | TSS | PO4    | As    | Cd     | Ca | Fe-Tr | Fe-Dis | Mnd   | Mntr | Mg | Hg      | Se     | Na   | Zn   |
|-----------|-------|-------|----------|------------|-----|------|------|-----|------|------|-----|---------|-----|------|-----|--------|-------|--------|----|-------|--------|-------|------|----|---------|--------|------|------|
| 8/30/1993 | 8:00  | 307   | 8.9      | 5000       |     | 18   |      |     |      |      |     |         |     | 2774 | 24  | -0.005 | 0.001 | -0.005 | 6  | 4.69  | 0.2    | 0.030 |      | 3  | -0.0042 | -0.001 | 1090 | 0.01 |
| 6/30/1993 | 10:18 |       |          |            |     | 1.91 | 2250 | 0   | 7.80 | 4660 | 312 | -0.02   |     |      |     |        |       |        |    |       |        |       |      |    |         |        |      |      |
| 6/30/1993 | 10:18 | 307   | 7.1      |            |     |      |      |     |      |      |     |         |     |      |     |        |       |        |    |       |        |       |      |    |         |        |      |      |

BC-1 WELL  
LOWER BEAR CREEK CANYON  
ALLUVIUM/COLLUVIUM

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: BC-1

| Date       | Time  | DEPTH | Field pH | Field Cond | Temp | NH3   | HCO3   | CO3 | pH   | Cond | Cl     | NO3/NO2 | SO4    | TDS  | TSS  | PO4   | As    | Cd   | Ca    | Fe-Tr | Fe-Dis | Mnd   | Mg | Hg | Se | Na    | Zn    |
|------------|-------|-------|----------|------------|------|-------|--------|-----|------|------|--------|---------|--------|------|------|-------|-------|------|-------|-------|--------|-------|----|----|----|-------|-------|
| 9/19/2022  | 12:25 | 11.5  | 8.5      | 2500       | 15   | 0.15  | 870    | 123 | 8.20 | 2476 | 117    | 0.024   | 109.9  | 0.09 | 0    | 0.002 | 0.01  | 55.7 | 0.09  | 0.017 | 0.050  | 0.062 |    |    |    | 203   | 0.035 |
| 6/27/2022  | 10:50 | 7     | 7.3      | 745        | 15   | 0.129 | 387    | 0   | 7.27 | 962  | 125    | 0.072   | 137.7  | 544  | 0    | 0.002 | 0.01  | 53.8 | 0.093 | 0.018 | 0.052  | 0.066 |    |    |    | 196   | 0.038 |
| 9/27/2021  | 12:30 | 13    | 8.1      | 2700       | 14   | 0.262 | 254    | 0   | 8.49 | 1458 | 172.45 | 0.213   | 127.6  | 1294 | 0    | 0.003 | 0.01  | 57.1 | 0.114 | 0.01  | 0.061  | 0.074 |    |    |    | 267   | 0.044 |
| 6/21/2021  | 12:30 | 7     | 7.3      | 786        | 15   | 0.162 | 219    | 0   | 7.36 | 1125 | 103.12 | 0.031   | 223.5  | 802  | 0    | 0.003 | 0.01  | 52.5 | 0.081 | 0.011 | 0.057  | 0.077 |    |    |    | 205   | 0.036 |
| 9/16/2020  | 13:05 | 12    | 8.3      | 2500       | 16   | 0.234 | 828    | 0   | 7.74 | 1320 | 265.88 | 0.068   | 130    | 1152 | 0    | 0.002 | 0.01  | 56.5 | 0.068 | 0.011 | 0.052  | 0.088 |    |    |    | 226   | 0.042 |
| 6/16/2020  | 12:00 | 7.5   | 7.2      | 1090       | 16   | 0.29  | 314    | 0   | 7.46 | 830  | 106.35 | 0.036   | 176.99 | 788  | 0    | 0.002 | 0.01  | 53.1 | 0.088 | 0.01  | 0.059  | 0.082 |    |    |    | 211   | 0.04  |
| 9/23/2019  | 14:30 | 11    | 8.1      | 2500       | 15   | 0.126 | 223.6  | 0   | 7.67 | 1295 | 141.8  | 0.04    | 135.83 | 1258 | 0    | 0.002 | 0.01  | 62.1 | 0.126 | 0.01  | 0.056  | 0.071 |    |    |    | 232   | 0.038 |
| 6/24/2019  | 13:00 | 6.5   | 8        | 1210       | 13   | 0.102 | 288    | 0   | 7.32 | 868  | 85.33  | 0       | 188.3  | 814  | 0    | 0.002 | 0.01  | 56.9 | 0.133 | 0.009 | 0.064  | 0.087 |    |    |    | 247   | 0.041 |
| 9/17/2018  | 12:25 | 12    | 8.8      | 2300       | 16   | 0.115 | 367.8  | 0   | 8.14 | 952  | 107.68 | 0.11    | 152.29 | 1342 | 0    | 0.002 | 0.01  | 55.6 | 1.06  | 0.061 | 0.046  | 0.164 |    |    |    | 289   | 0.037 |
| 6/18/2018  | 12:50 | 9     | 8.2      | 1700       | 15   | 0.103 | 385.91 | 0   | 7.61 | 1019 | 107.68 | 0.14    | 207.14 | 1216 | 0    | 0.002 | 0.01  | 54.3 | 1.39  | 0.078 | 0.053  | 0.182 |    |    |    | 327   | 0.041 |
| 9/13/2017  | 11:50 | 11    | 8.4      | 400        | 15   | 0.083 | 353.4  | 0   | 8.16 | 603  | 119.05 | 0.11    | 196.33 | 736  | 0    | 0.002 | 0.01  | 46.7 | 1.16  | 0.062 | 0.049  | 0.166 |    |    |    | 291   | 0.036 |
| 6/27/2017  | 11:40 | 7     | 8.2      | 1280       | 15   | 0.096 | 206.25 | 0   | 7.32 | 786  | 85.36  | 0       | 211.56 | 742  | 0    | 0.002 | 0.01  | 36.7 | 0.674 | 0.176 | 0.077  | 0.098 |    |    |    | 219   | 0.038 |
| 9/28/2016  | 10:20 | 10.5  | 8.6      | 2500       | 15   | 0.112 | 354.74 | 0   | 8.01 | 1370 | 80.19  | 0       | 201.68 | 1292 | 0    | 0.002 | 0.01  | 47.3 | 1.67  | 0.203 | 0.086  | 0.126 |    |    |    | 266   | 0.044 |
| 6/20/2016  | 10:15 | 7.5   | 8        | 580        | 14   | 0.106 | 284.48 | 0   | 7.84 | 579  | 106.35 | 0       | 274.54 | 850  | 0    | 0.002 | 0.01  | 50.1 | 1.03  | 0.063 | 0.044  | 0.145 |    |    |    | 263   | 0.042 |
| 8/18/2015  | 9:30  | 8.5   | 7.7      | 1250       | 15   | 0.145 | 355.48 | 0   | 7.73 | 1392 | 62.13  | 0       | 288.51 | 1137 | 0    | 0.002 | 0.01  | 48.4 | 2.63  | 0.058 | 0.039  | 0.126 |    |    |    | 274   | 0.038 |
| 6/18/2015  | 14:00 | 6.5   | 8.4      | 1170       | 13   |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |
| 9/11/2014  | 8:30  | 11.25 | 8.4      | 750        | 14   | 0.148 | 591    | 0   | 7.82 | 2020 | 138.3  | 0.64    | 208.27 | 1885 | 0    | 0.003 | 0.01  | 24.6 | 0.87  | 0.13  | 0.030  | 0.04  |    |    |    | 187.2 | 0.01  |
| 6/25/2014  | 10:00 | 6.75  | 8.3      | 1010       | 16   | 0.169 | 361    | 0   | 7.85 | 1308 | 58.71  | 0       | 226.07 | 1216 | 0    | 0.002 | 0.01  | 47.1 | 4.19  | 0.062 | 0.043  | 0.133 |    |    |    | 261   | 0.031 |
| 7/18/2013  | 12:00 | 9.25  | 7        | 120        | 14   | 0.189 | 355.91 | 0   | 7.83 | 1278 | 56.44  | 0.3     | 238.14 | 1158 | 0.08 | 0.003 | 0.01  | 44.6 | 4.49  | 0.054 | 0.050  | 0.15  |    |    |    | 256.5 | 0.03  |
| 6/18/2013  | 12:00 | 7     | 8.1      | 1450       | 11   |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |
| 8/2/2012   | 13:00 |       | 8.8      | 1950       | 13   | 0.35  | 244.29 | 0   | 7.90 | 1444 | 53.34  | 0.3     | 146.74 | 1391 | 0.08 | 0.006 | 0.01  | 21.4 | 53    | 0.08  | 0.010  | 0.61  | 0  | 0  | 0  | 196.6 | 0.22  |
| 6/19/2012  | 13:00 | 8     | 7.6      | 1350       | 11   |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |
| 7/26/2011  | 9:00  | 7.5   | 7.9      | 1130       | 15   | 0.17  | 59.53  | 0   | 7.32 | 1048 | 4.96   | 0.22    | 256.43 | 833  | 0.06 | 0.006 | 0.01  | 54.4 | 2.92  | 0.02  | 0.080  | 0.15  |    |    |    | 248.8 | 0.05  |
| 6/23/2011  | 9:00  | 7     | 7.9      | 1110       | 11   |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |
| 8/5/2010   | 13:00 | 9     | 8.8      | 1390       | 14   | 0.02  | 569.16 | 0   | 6.90 | 1504 | 37.44  | 0.49    | 241.61 | 1022 | 0.08 | 0.005 | 0.01  | 99.4 | 63.8  | 0.07  | 0.080  | 0.99  |    |    |    | 119   | 0.08  |
| 6/16/2010  | 10:30 | 6     | 8.8      | 1370       | 15   | 0.456 | 382.13 | 0   | 7.25 | 1600 | 9.33   | 0       | 275.36 | 990  | 0    | 0.099 | 0.005 | 50.1 | 14.53 | 0.01  | 0.007  | 0.23  |    |    |    | 244   | 0.03  |
| 8/4/2009   | 9:30  | 8.6   | 8.2      | 620        | 16   | 0.38  | 810    | 1   | 7.53 | 1900 | 85     | 0.02    | 250    | 1200 | 0.01 | 0.002 | 0.005 | 63   | 50    | 0.03  | 0.110  | 0.36  |    |    |    | 370   | 0.005 |
| 6/16/2009  | 9:00  | 6.1   | 7.5      | 1230       | 14   | 0.27  | 520    | 1   | 7.62 | 1500 | 37     | 0.02    | 310    | 450  | 0.01 | 0.001 | 0.005 | 67   | 3.3   | 0.03  | 0.143  | 0.192 |    |    |    | 220   | 0.005 |
| 8/28/2008  | 15:00 | 9.5   | 8.3      | 1880       | 17   | 0.79  | 1000   | 1   | 7.93 | 2300 | 130    | 0.19    | 210    | 1100 | 0.04 | 0.01  | 0.005 | 37   | 33    | 0.01  | 0.023  | 0.267 |    |    |    | 470   | 0.005 |
| 8/19/2006  | 10:00 | 11.5  | 8.88     | 2100       | 15   | 0.89  | 930    | 1   | 8.11 | 2200 | 140    | 0.02    | 260    | 1700 | 0.01 | 0.002 | 0.005 | 42   | 92    | 0.06  | 0.053  | 0.568 |    |    |    | 490   | 0.005 |
| 6/9/2006   | 12:00 | 8     |          | 690        | 15   |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |
| 10/17/2005 | 12:30 | 0     | 7.21     |            |      |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |
| 8/5/2005   | 9:20  | 9.5   | 6.8      | 1510       | 14   |       |        |     |      |      |        |         |        |      |      |       |       |      |       |       |        |       |    |    |    |       |       |

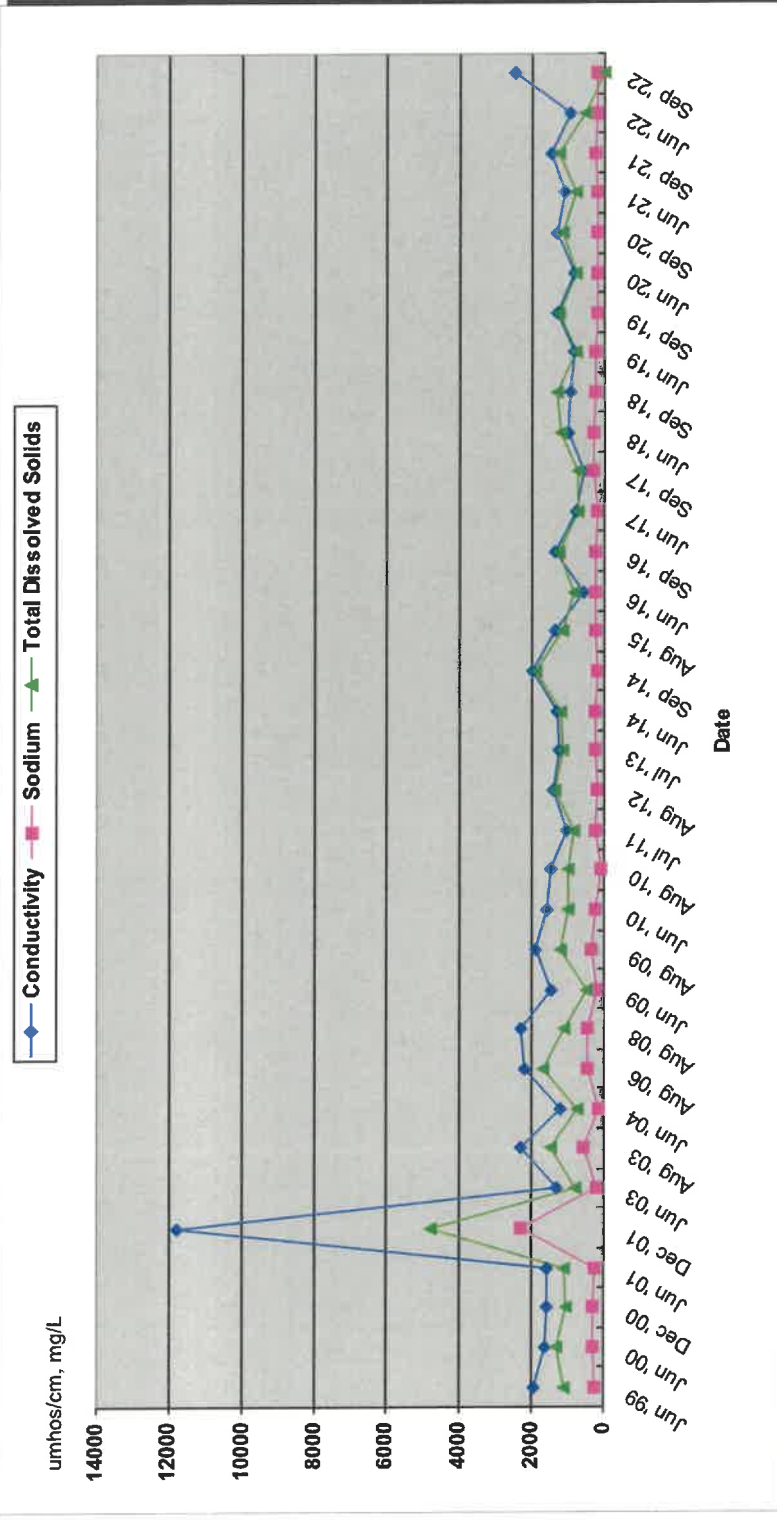
# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: BC-1

| Date       | Time  | DEPTH | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3 | pH   | Cond  | Cl   | NO3/NO2 | SO4 | TDS  | TSS  | PO4  | As    | Cd    | Ca   | Fe-Tr | Fe-Dls | Mnd   | Mntr  | Mg   | Hg     | Se    | Na   | Zn    |
|------------|-------|-------|----------|------------|-----|------|------|-----|------|-------|------|---------|-----|------|------|------|-------|-------|------|-------|--------|-------|-------|------|--------|-------|------|-------|
| 8/23/2004  | 11:50 | 11    | 0        | 0          | 0   |      |      |     |      |       |      |         |     |      |      |      |       |       |      |       |        |       |       |      |        |       |      |       |
| 6/16/2004  | 12:15 | 7.5   | 7.65     | 1010       | 16  | 0.34 | 480  | 1   | 7.54 | 1200  | 29   | 0.02    | 180 | 720  |      | 0.01 | 0.002 | 0.005 | 67   | 11    | 0.01   | 0.051 | 0.292 |      |        |       | 150  | 0.005 |
| 8/28/2003  | 10:30 | 10.9  | 8.59     | 1000       | 16  | 0.49 | 1100 | 1   | 7.99 | 2300  | 170  | 0.02    | 160 | 1500 |      | 0.01 | 0.002 | 0.005 | 24   | 56    | 0.04   | 0.036 | 0.329 |      |        |       | 580  | 0.01  |
| 6/19/2003  | 13:30 | 0     | 8.37     | 1600       | 17  | 0.17 | 540  | 1   | 7.66 | 1300  | 46   | 0.08    | 180 | 790  |      | 0.01 | 0.002 | 0.005 | 53   | 20    | 0.02   | 0.143 | 0.284 |      |        |       | 190  | 0.015 |
| 9/6/2002   | 10:75 |       | 0        | 0          | 0   |      |      |     |      |       |      |         |     |      |      |      |       |       |      |       |        |       |       |      |        |       |      |       |
| 6/25/2002  | 9:25  |       | 6.1      | 2000       | 15  |      |      |     |      |       |      |         |     |      |      |      |       |       |      |       |        |       |       |      |        |       |      |       |
| 12/19/2001 | 13:00 | 0     | 7.1      | 10000      | 8   | 1.77 | 2700 | 1   | 7.70 | 11800 | 1400 | 0.08    | 100 | 4800 | 15   | 0.01 | 0.002 | 0.005 | 34.2 | 0.28  | 0.02   | 0.005 | 0.006 | 8.7  | 0.0002 | 0.002 | 2320 | 0.005 |
| 6/29/2001  | 10:50 | 0     | 7.8      | 1500       | 0   | 0.39 | 760  | 1   | 8.00 | 1604  | 67   | 0.02    | 290 | 1100 | 2700 | 0.01 | 0.002 | 0.005 | 70.3 | 55.2  | 0.01   | 0.144 | 1.75  | 36.5 | 0.0002 | 0.002 | 255  | 0.008 |
| 12/28/2000 | 13:45 | 0     | 7.3      | 1200       | 12  | 1.14 | 616  | 1   | 7.60 | 1608  | 63   | 0.02    | 269 | 1036 | 594  | 0.01 | 0.002 | 0.005 | 60.2 | 61.4  | 0.01   | 0.240 | 0.71  | 33.7 | 0.0002 | 0.002 | 340  | 0.016 |
| 6/29/2000  | 13:51 | 0     | 8        | 1500       | 12  | 0.91 | 630  | 1   | 8.02 | 1650  | 77   | 0.03    | 300 | 1340 | 5990 | 0.02 | 0.002 | 0.005 | 34.6 | 100   | 0.01   | 1.450 | 0.073 | 19.8 | 0.0002 | 0.002 | 320  | 0.005 |
| 12/28/1999 | 13:45 | 6.6   | 7.6      | 1500       | 7   | 1.14 | 616  | 1   |      |       |      |         |     |      |      |      |       |       |      |       |        |       |       |      |        |       |      |       |
| 9/22/1999  | 3:14  | 6.3   | 7.6      | 1500       | 0   |      |      |     |      |       |      |         |     |      |      |      |       |       |      |       |        |       |       |      |        |       |      |       |
| 6/29/1999  | 8:15  | 6.6   | 7.7      | 1400       | 0   | 0.57 | 786  | 1   | 8.16 | 1970  | 163  | 0.03    | 263 | 1110 | 2675 | 0.02 | 0.005 | 0.005 | 15.8 | 41.8  | 0.01   | 0.086 | 0.706 | 9.9  | 0.0002 | 0.002 | 280  | 0.005 |
| 3/28/1999  | 7:26  | 6.5   | 7.8      | 1200       | 8   |      |      |     |      |       |      |         |     |      |      |      |       |       |      |       |        |       |       |      |        |       |      |       |

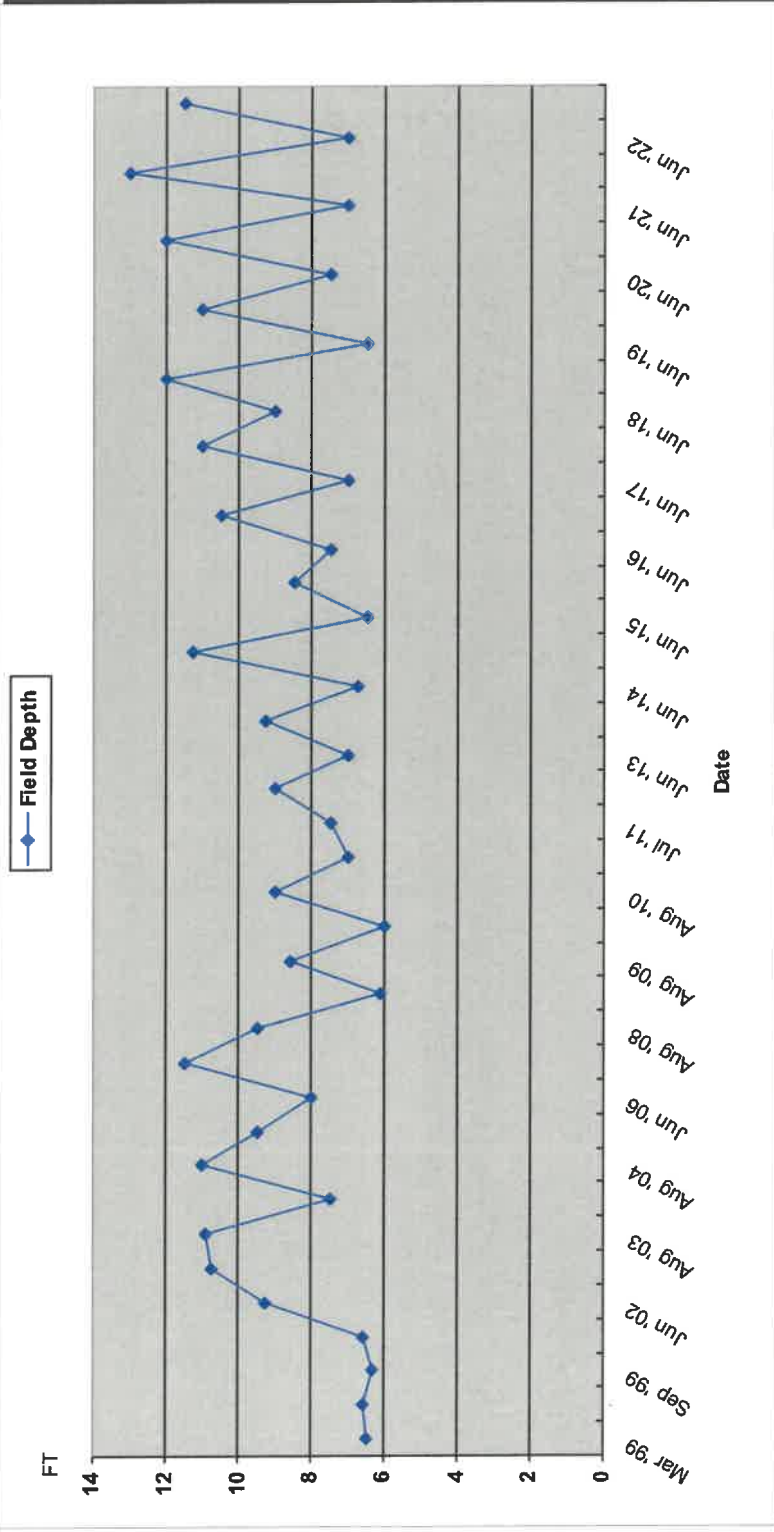
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: BC-1



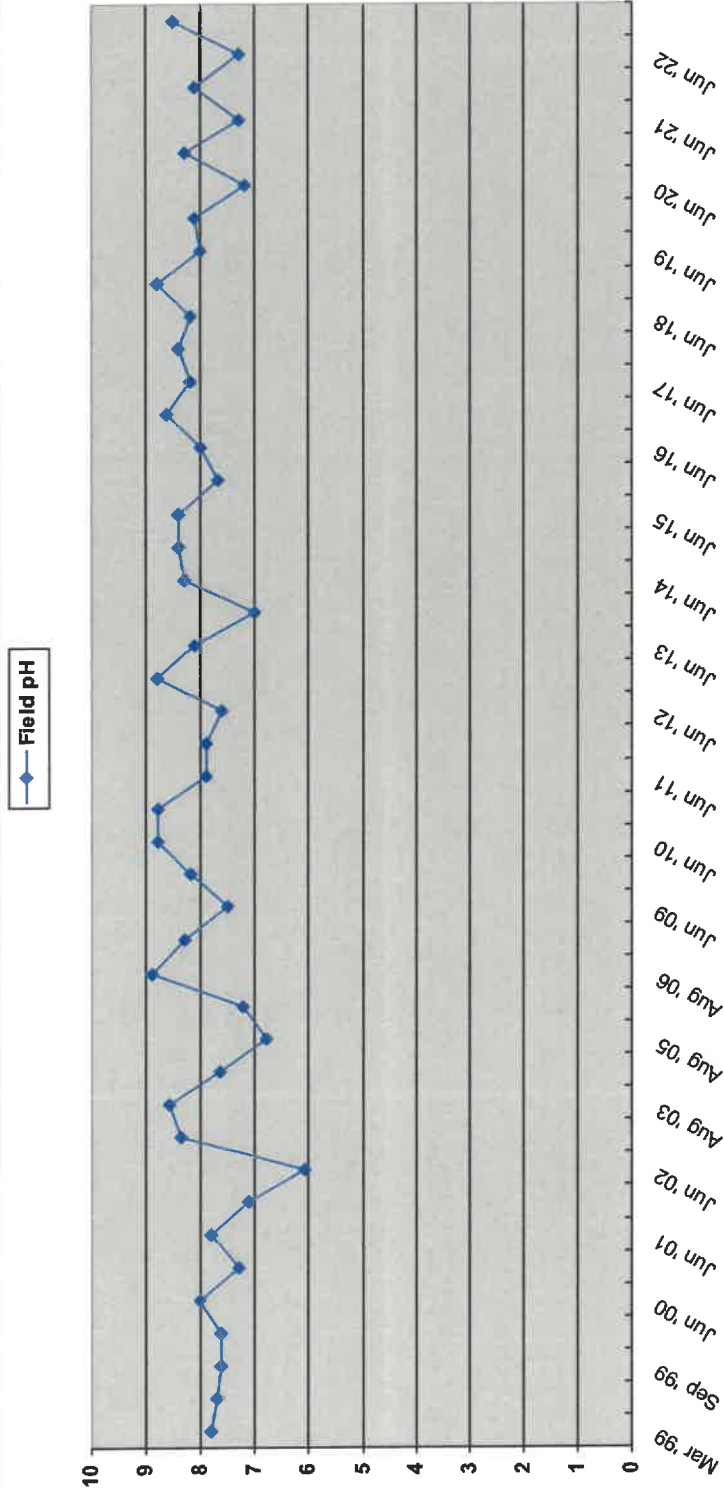
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: BC-1



# MONITORING CHART FOF2022 AHR

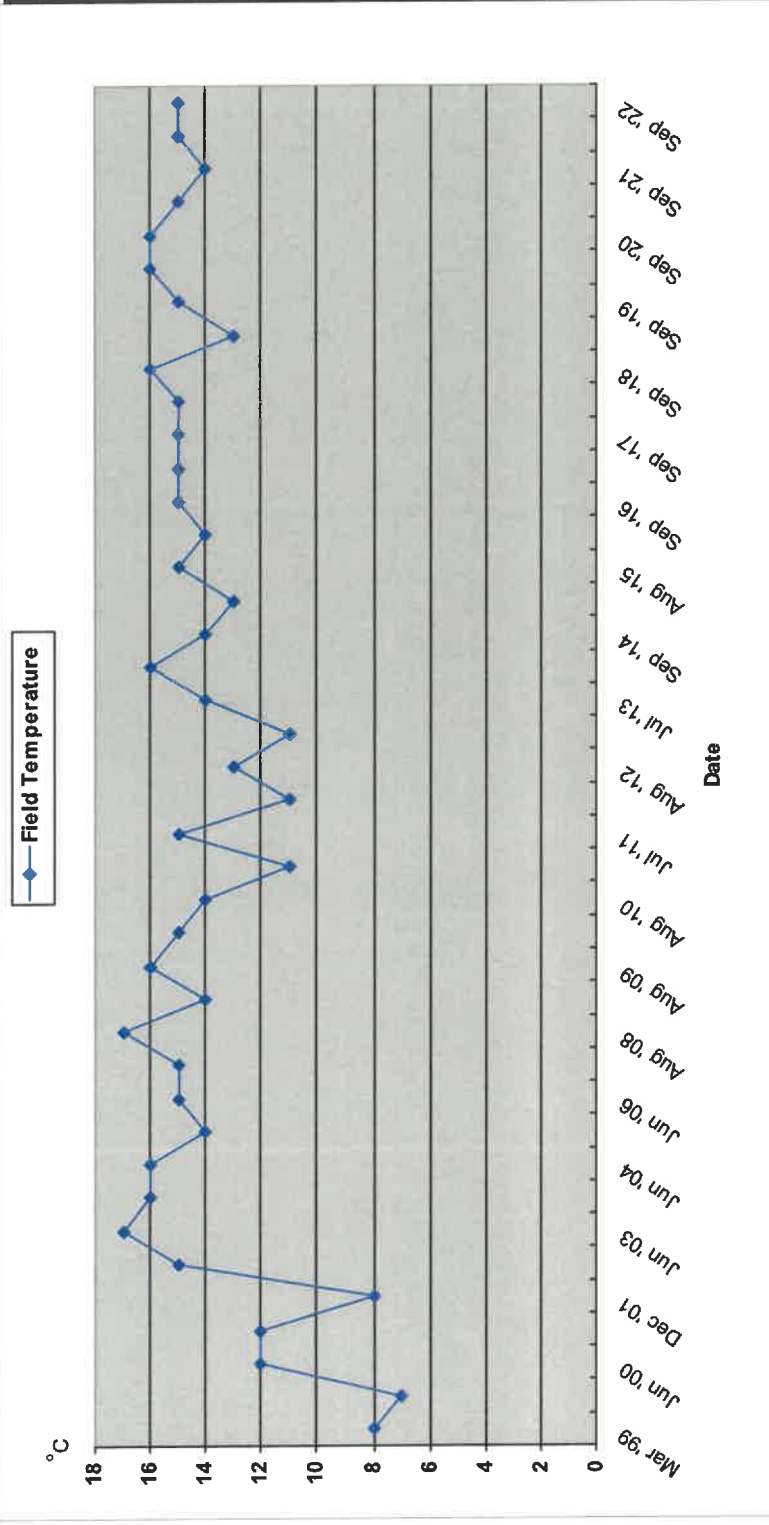
GROUND WATER LOCATION: BC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

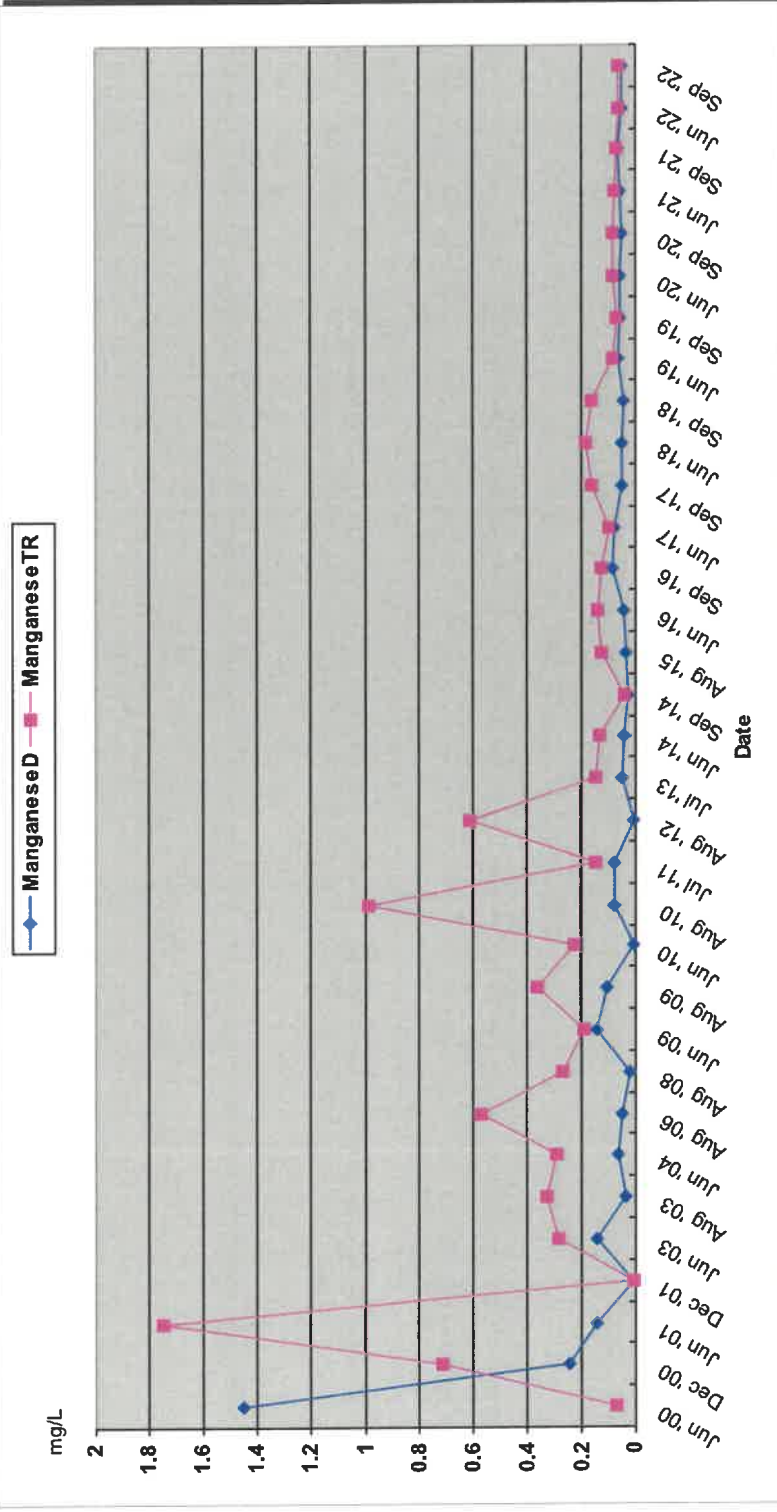
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: BC-1



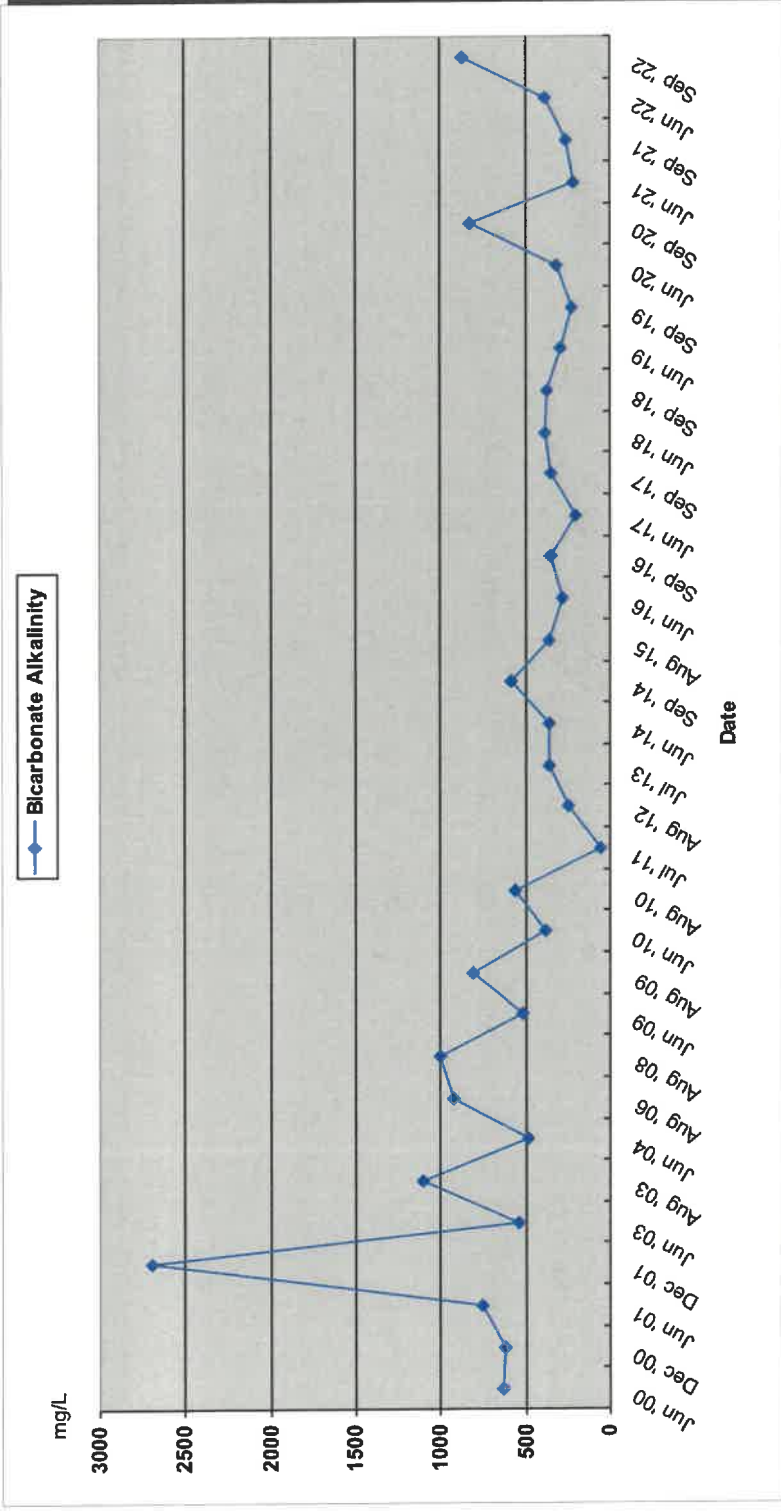
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: BC-1



# MONITORING CHART FOR 2022 AHR

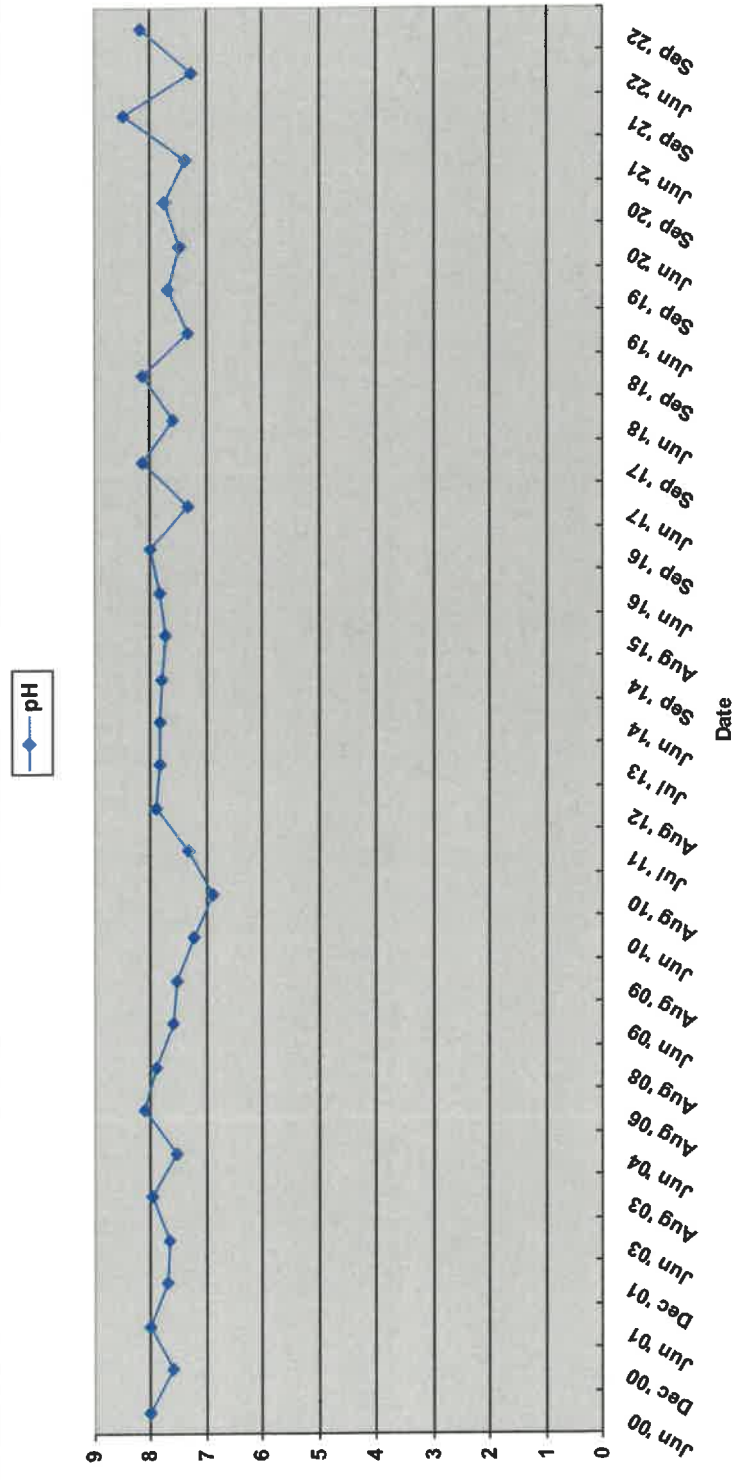
GROUND WATER LOCATION: BC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

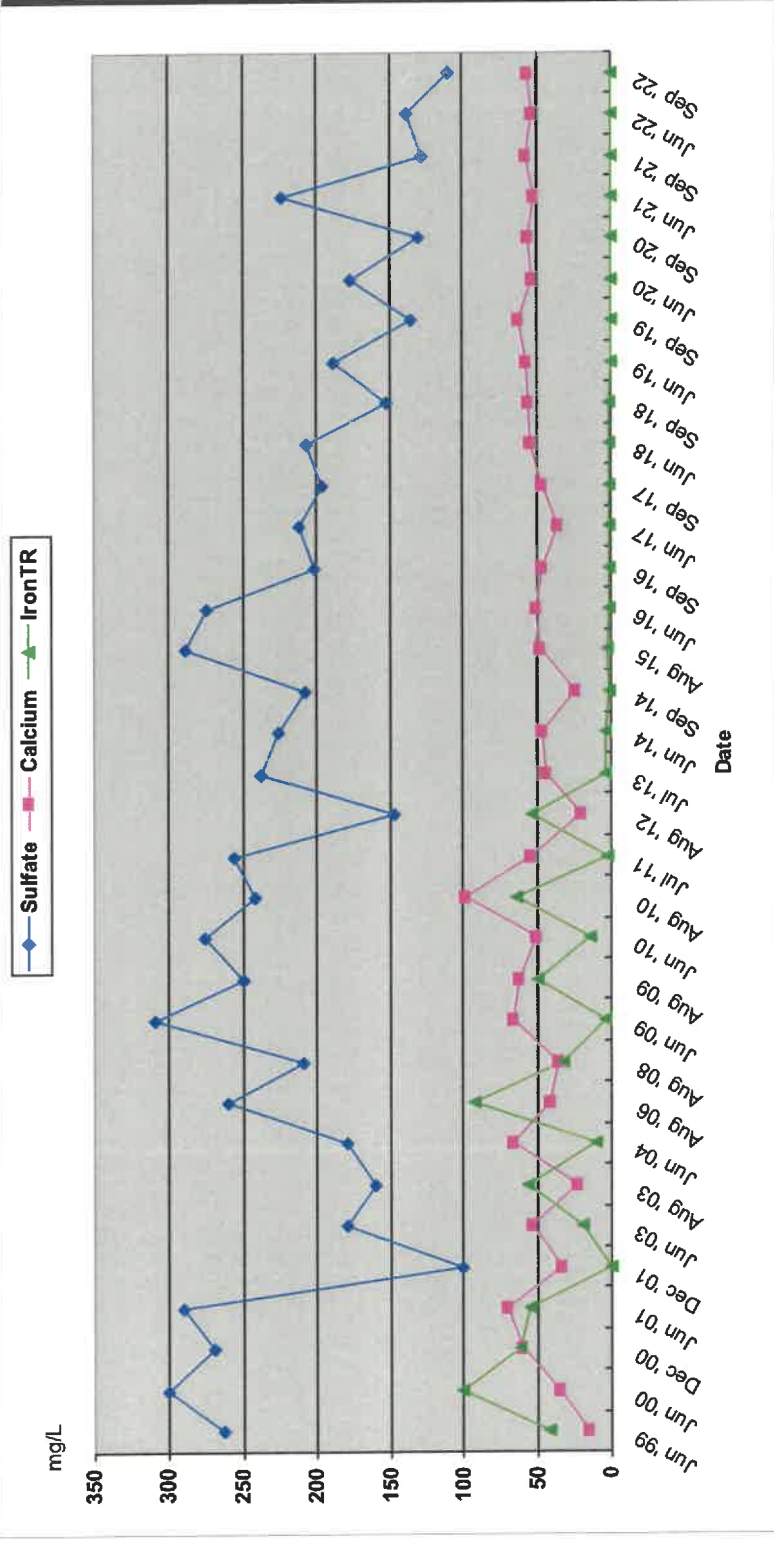
# MONITORING CHART FOR 2022AHR

GROUND WATER LOCATION: BC-1



# MONITORING CHART FOR 2022 AHR

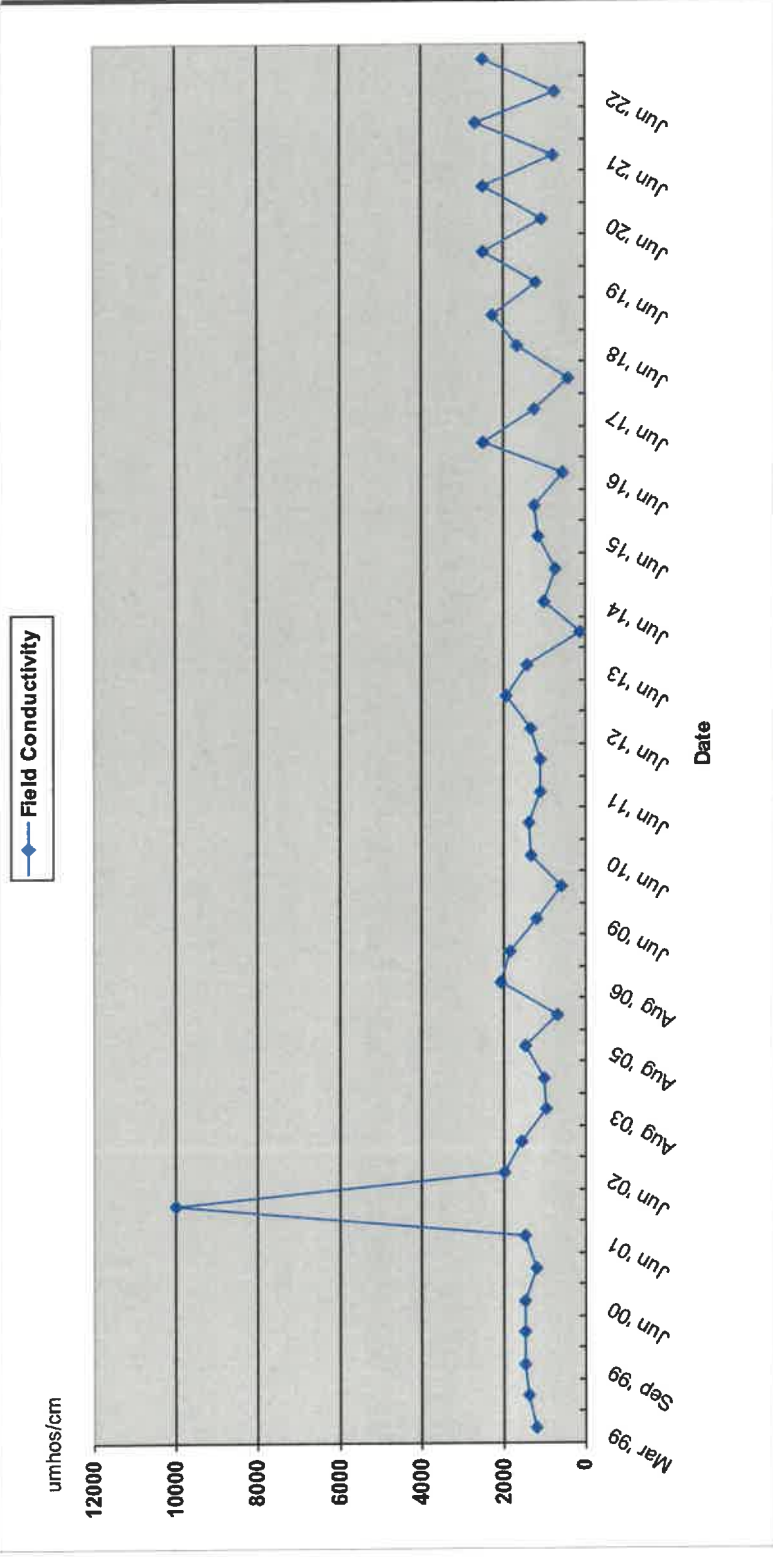
GROUND WATER LOCATION: BC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

# MONITORING CHART FOR 2022 AHR

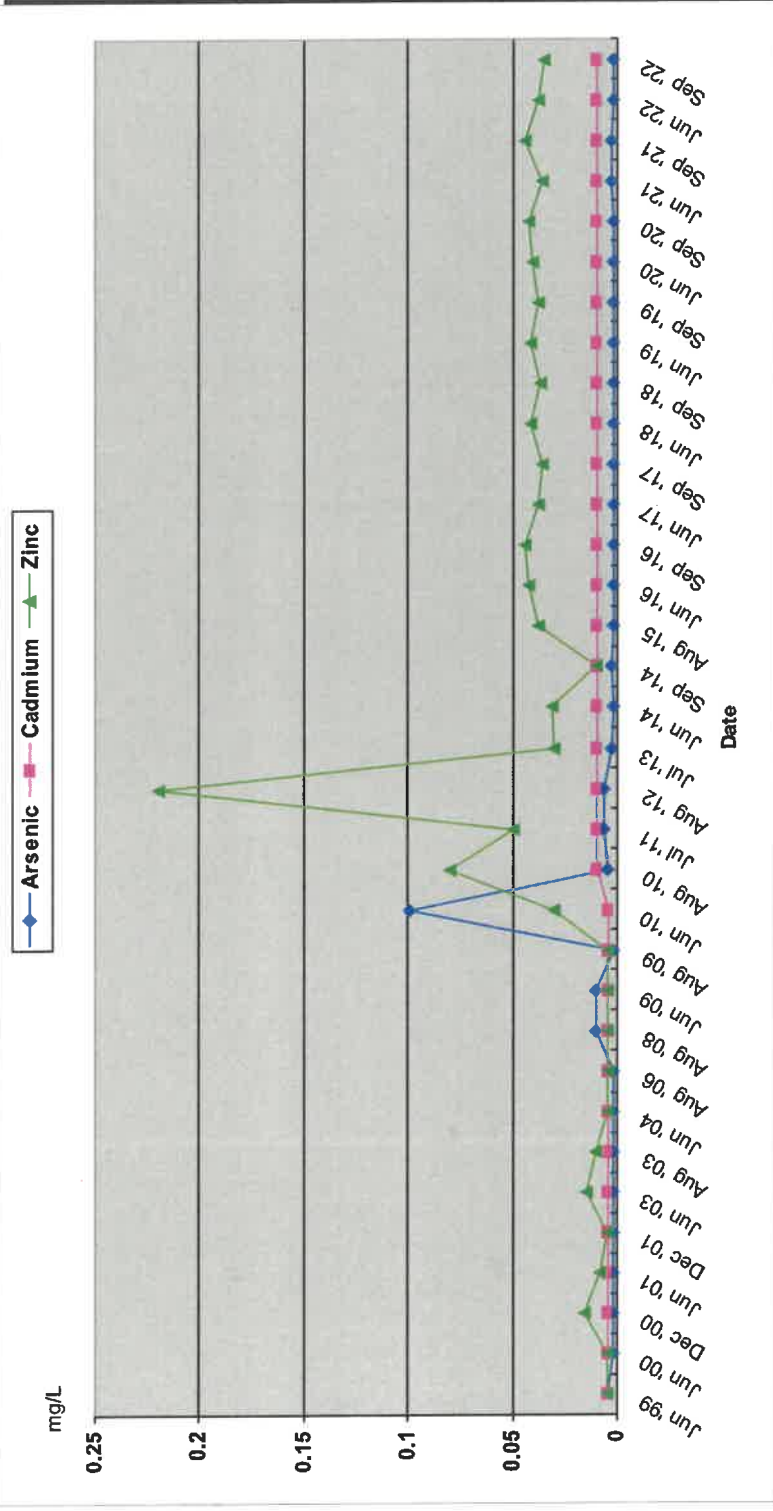
GROUND WATER LOCATION: BC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

# MONITORING CHART FOR 2022 AHR

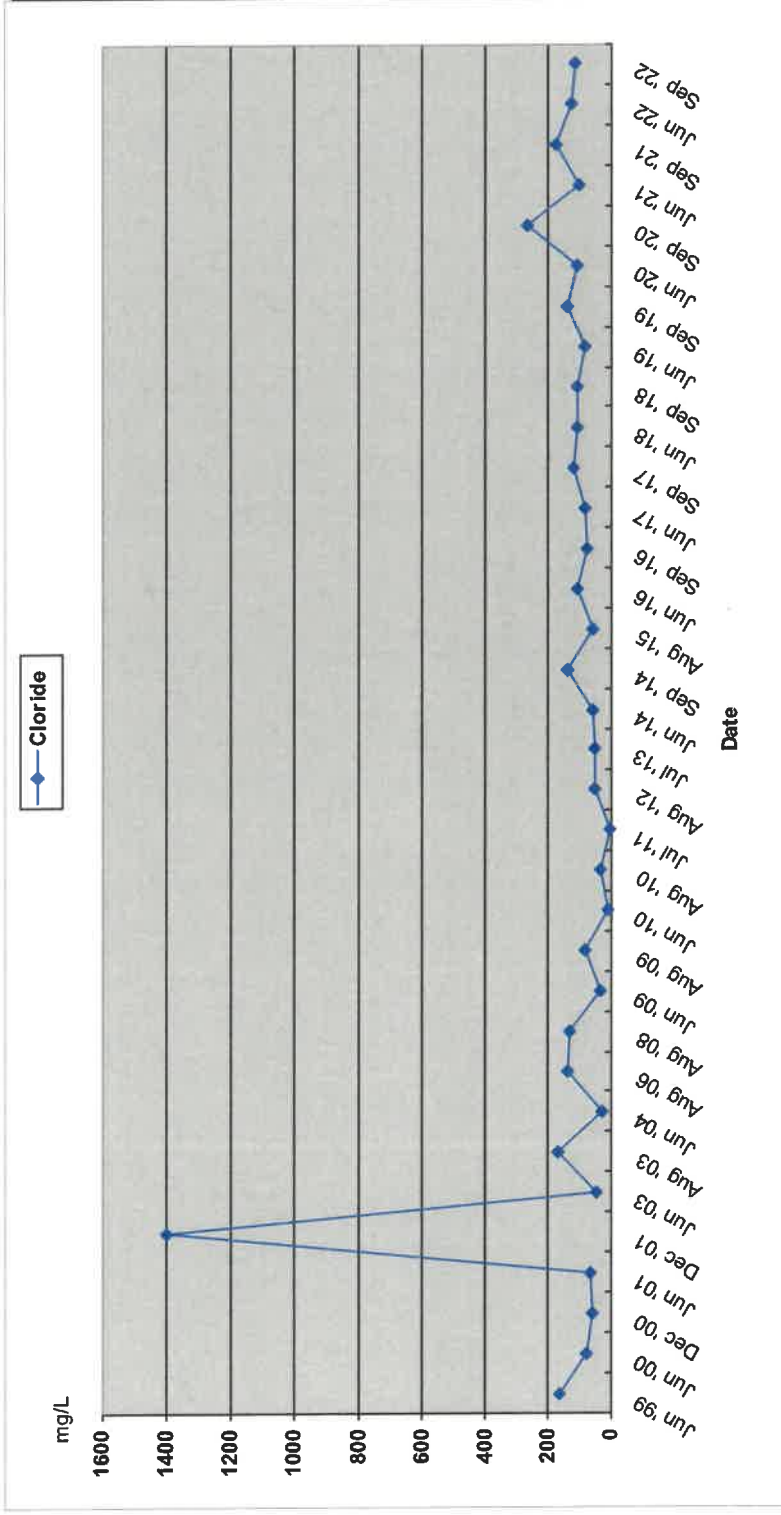
GROUND WATER LOCATION: BC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: BC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

EC-14 WELL  
UPPER ELK CREEK CANYON  
ALLUVIUM / COLLUVIUM

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: EC-14

| Date      | Time  | DEPTH | Field pH | Field Cond | Temp | NH3   | HCO3   | CO3 | pH   | Cond | Cl     | NO3/NO2 | SO4    | TDS  | TSS  | PO4   | As    | Cd    | Ca    | Fe-Tr | Fe-Dls | Mnd   | Mg | Hg | Se | Na    | Zn    |
|-----------|-------|-------|----------|------------|------|-------|--------|-----|------|------|--------|---------|--------|------|------|-------|-------|-------|-------|-------|--------|-------|----|----|----|-------|-------|
| 9/19/2022 | 12:00 | 12.5  | 7.5      | 1395       | 11   | 0.024 | 487    | 0   | 7.42 | 980  | 24.99  | 0.02    | 93.43  | 1224 | 0    | 0.002 | 0.01  | 102.8 | 0.956 | 0.028 | 0.080  | 0.118 |    |    |    | 236   | 0.019 |
| 6/27/2022 | 10:20 | 12    | 7.3      | 1065       | 10   | 0.093 | 523    | 0   | 7.26 | 983  | 200    | 0.038   | 80.67  | 112  | 0    | 0.002 | 0.01  | 101.3 | 0.944 | 0.032 | 0.078  | 0.123 |    |    |    | 231   | 0.024 |
| 9/27/2021 | 12:15 | 12.5  | 7.1      | 920        | 8    | 0.215 | 406    | 0   | 7.59 | 995  | 137.47 | 0.072   | 267.26 | 798  | 0    | 0.002 | 0.01  | 123.5 | 1.38  | 0.122 | 0.106  | 0.158 |    |    |    | 286   | 0.036 |
| 6/21/2021 | 12:15 | 12    | 7.3      | 915        | 11   | 0.133 | 428    | 0   | 7.45 | 1179 | 262.38 | 0.033   | 93.02  | 846  | 0    | 0.002 | 0.01  | 108.2 | 1.09  | 0.116 | 0.095  | 0.146 |    |    |    | 259   | 0.029 |
| 9/16/2020 | 13:30 | 12.5  | 7.2      | 1570       | 15   | 0.189 | 380    | 0   | 7.68 | 989  | 194.98 | 0.018   | 76.56  | 932  | 0    | 0.002 | 0.01  | 121.3 | 1.16  | 0.119 | 0.098  | 0.164 |    |    |    | 289   | 0.039 |
| 6/16/2020 | 12:30 | 12    | 7.1      | 1300       | 15   | 0.112 | 432    | 0   | 7.38 | 1196 | 265.88 | 0.026   | 87.87  | 1096 | 0    | 0.002 | 0.01  | 116.3 | 1.28  | 0.112 | 0.101  | 0.178 |    |    |    | 263   | 0.035 |
| 9/23/2019 | 13:15 | 12.5  | 7.5      | 1440       | 13   | 0.073 | 190    | 0   | 7.45 | 671  | 142.7  | 0.08    | 87.26  | 566  | 0    | 0.002 | 0.01  | 48.3  | 1.34  | 0.123 | 0.082  | 0.138 |    |    |    | 202   | 0.033 |
| 6/24/2019 | 12:30 | 11    | 7.8      | 1450       | 11   | 0.096 | 426    | 0   | 7.54 | 938  | 113.68 | 0.12    | 105.55 | 882  | 0    | 0.002 | 0.01  | 81.3  | 1.67  | 0.154 | 0.094  | 0.168 |    |    |    | 202   | 0.038 |
| 9/17/2018 | 11:45 | 13    | 7.1      | 1400       | 14   | 0.078 | 301.25 | 0   | 7.33 | 732  | 116.78 | 0.18    | 104.96 | 1222 | 0    | 0.002 | 0.01  | 79.2  | 3.03  | 0.038 | 0.038  | 0.751 |    |    |    | 164   | 0.033 |
| 6/18/2018 | 12:15 | 12    | 8.4      | 1380       | 13   | 0.082 | 303.24 | 0   | 7.64 | 812  | 116.78 | 0.29    | 83.55  | 861  | 0    | 0.002 | 0.01  | 77.5  | 3.97  | 0.049 | 0.042  | 1.005 |    |    |    | 187   | 0.031 |
| 9/13/2017 | 12:05 | 12.75 | 7.9      | 1530       | 12   | 0.077 | 283.33 | 0   | 7.44 | 370  | 32.94  | 0.21    | 88.91  | 460  | 0    | 0.002 | 0.01  | 67.3  | 3.18  | 0.39  | 0.038  | 0.98  |    |    |    | 117   | 0.027 |
| 6/27/2017 | 11:00 | 12    | 8.2      | 1440       | 13   | 0.064 | 246.36 | 0   | 7.41 | 748  | 170.43 | 0.19    | 87.43  | 686  | 0    | 0.002 | 0.01  | 51.8  | 2.23  | 0.203 | 0.089  | 0.129 |    |    |    | 149   | 0.033 |
| 9/28/2016 | 12:00 | 12    | 7.5      | 1630       | 13   | 0.076 | 309.37 | 0   | 8.05 | 817  | 48.39  | 0.29    | 193.45 | 706  | 0    | 0.002 | 0.01  | 72.3  | 16.5  | 0.247 | 0.092  | 0.354 |    |    |    | 155   | 0.033 |
| 6/20/2016 | 9:45  | 11.5  | 8        | 560        | 12   | 0.078 | 302.26 | 0   | 8.01 | 605  | 35.45  | 0.22    | 103.72 | 656  | 0    | 0.002 | 0.01  | 71.3  | 5.43  | 0.041 | 0.052  | 1.13  |    |    |    | 139   | 0.031 |
| 8/19/2015 | 10:45 | 12    | 7.9      | 1060       | 13   | 0.082 | 269.43 | 0   | 7.87 | 719  | 16.44  | 0.38    | 145.96 | 694  | 0    | 0.003 | 0.01  | 69.1  | 22.8  | 0.049 | 0.042  | 1.64  |    |    |    | 148   | 0.025 |
| 9/11/2014 | 9:00  | 12.6  | 8.2      | 670        | 12   | 0.104 | 379    | 0   | 7.55 | 854  | 46.12  | 0.4     | 111.9  | 763  | 0    | 0.003 | 0.01  | 77.6  | 6.42  | 0.09  | 0.010  | 0.17  |    |    |    | 145.2 | 0.03  |
| 6/25/2014 | 9:00  | 12    | 8.4      | 660        | 12   | 0.091 | 271    | 0   | 7.72 | 680  | 16.4   | 0.51    | 103.58 | 572  | 0    | 0.005 | 0.01  | 88.6  | 39.7  | 0.046 | 0.046  | 1.97  |    |    |    | 197   | 0.019 |
| 7/18/2013 | 12:00 | 13    | 7.7      | 580        | 10   | 0.088 | 257.18 | 0   | 7.59 | 694  | 22.13  | 0.48    | 108.36 | 527  | 0.08 | 0.006 | 0.01  | 81.3  | 44.8  | 0.038 | 0.050  | 2.62  |    |    |    | 188.3 | 0.02  |
| 6/18/2013 | 12:00 | 14    | 7.6      | 630        | 12   |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |    |    |    |       |       |
| 8/2/2012  | 13:30 | 14    | 7        | 760        | 9    | 0.22  | 333.4  | 0   | 7.21 | 650  | 98.51  | 0.41    | 38.87  | 556  | 0.08 | 0.003 | 0.01  | 75.2  | 180   | 0.04  | 0.010  | 8.98  |    |    |    | 76.2  | 0.51  |
| 6/19/2012 | 13:30 | 12    | 7.3      | 780        | 8    |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |    |    |    |       |       |
| 7/26/2011 | 9:00  | 14    | 7.9      | 1050       | 10   | 0.12  | 80.31  | 0   | 7.37 | 955  | 4.98   | 0.19    | 112.36 | 1086 | 0.08 | 0.01  | 0.01  | 68.1  | 17.66 | 0.14  | 0.010  | 0.46  |    |    |    | 212   | 0.03  |
| 6/23/2011 | 9:00  | 14    | 8        | 920        | 10   |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |    |    |    |       |       |
| 8/5/2010  | 6:45  | 14    | 9.3      | 1090       | 8    | 0.02  | 484.84 | 0   | 7.41 | 1161 | 27.23  | 1.46    | 120.19 | 798  | 0.08 | 0.007 | 0.01  | 25.06 | 36.8  | 0.02  | 0.010  | 1.18  |    |    |    | 160   | 0.02  |
| 6/15/2010 | 8:30  | 12.9  | 9.2      | 1050       | 9    | 0.124 | 518.57 | 0   | 7.33 | 1277 | 9.43   | 9.97    | 109.07 | 980  | 0    | 0.072 | 0.006 | 70.6  | 56.5  | 0.42  | 0.003  | 1.16  |    |    |    | 258.8 | 0.03  |
| 8/4/2009  | 14:00 | 14    | 8.2      | 940        | 12   | 0.2   | 720    | 1   | 7.29 | 1100 | 8      | 0.05    | 110    | 820  | 0.01 | 0.002 | 0.005 | 130   | 72    | 0.01  | 0.008  | 1.5   |    |    |    | 180   | 0.007 |
| 6/17/2009 | 14:00 | 13.3  | 7.6      | 1080       | 9    | 0.05  | 530    | 1   | 7.40 | 1000 | 14     | 0.02    | 88     | 650  | 0.01 | 0.01  | 0.005 | 100   | 34    | 0.03  | 0.005  | 0.749 |    |    |    | 140   | 0.006 |
| 8/11/2008 | 9:00  | 14    | 7.4      | 1080       | 10   | 0.52  | 750    | 1   | 7.46 | 1300 | 14     | 0.02    | 100    | 970  | 0.02 | 0.01  | 0.005 | 160   | 82    | 0.01  | 0.031  | 2.3   |    |    |    | 190   | 0.005 |
| 6/18/2008 | 14:00 | 12.3  | 8        | 1040       | 7    |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |    |    |    |       |       |
| 8/2/2007  | 14:00 | 14    | 7.48     | 1100       | 6    | 0.33  | 660    | 1   | 7.61 | 1200 | 8      | 0.02    | 120    | 430  | 0.01 | 0.002 | 0.005 | 78    | 22    | 0.01  | 0.005  | 0.316 |    |    |    | 190   | 0.005 |
| 6/19/2007 | 14:00 | 14    | 7.32     | 1200       | 8.5  | 0.46  | 710    | 1   | 7.74 | 1300 | 22     | 0.02    | 120    | 910  | 0.11 | 0.002 | 0.005 | 77    | 48    | 0.01  | 0.005  | 0.571 |    |    |    | 200   | 0.005 |
| 8/10/2006 | 14:00 | 14    | 7.53     | 1190       | 10   | 0.2   | 740    |     | 7.61 | 1300 | 19     | 0.08    | 130    | 1100 | 0.01 | 0.002 | 0.005 | 94    | 85    | 0.01  | 0.005  | 0     |    |    |    | 200   | 0.005 |
| 6/9/2006  | 12:00 | 13.6  | 7.68     | 1090       | 7    |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |    |    |    |       |       |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: EC-14

| Date       | Time  | DEPTH | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TDS | TSS  | PO4   | As    | Cd  | Ca  | Fe-Tr | Fe-Dis | Mnd  | Mntr | Mg | Hg | Se | Na    | Zn    |
|------------|-------|-------|----------|------------|-----|------|------|-----|------|------|----|---------|-----|-----|------|-------|-------|-----|-----|-------|--------|------|------|----|----|----|-------|-------|
| 10/17/2005 | 14:00 | 13.5  | 7.68     | 1070       | 11  | 0.37 | 710  | 1   | 7.57 | 1300 | 18 | 0.61    | 160 | 870 | 0.01 | 0.002 | 0.005 | 90  | 12  | 0.01  | 0.005  | 0.38 |      |    |    |    | 220   | 0.005 |
| 8/5/2005   | 10:00 | 14    | 7.4      | 1060       | 10  |      | 710  |     | 7.57 | 1300 | 18 |         | 160 | 870 | 0.01 | 0.002 | 0.005 | 90  | 12  | 0.01  | 0.005  | 0.38 |      |    |    |    | 220   | 0.006 |
| 6/22/2004  | 14:00 | 12.6  | 7.68     | 1120       | 12  | 0.55 | 1100 | 1   | 7.53 | 1100 | 14 | 0.02    | 170 | 880 | 0.01 | 0.002 | 0.005 | 410 | 460 | 0.01  | 0.005  | 8    |      |    |    |    | 220   | 0.005 |
| 8/28/2003  | 14:00 | 14.5  | 7.85     | 960        | 11  | 0.05 | 1500 | 1   | 7.57 | 1200 | 11 | 0.1     | 150 | 830 | 0.01 | 0.002 | 0.005 | 600 | 990 | 0.04  | 0.011  | 14   |      |    |    |    | 230   | 0.005 |
| 6/17/2003  | 14:00 | 13.75 | 7.02     | 990        | 13  | 0.05 | 800  | 1   | 7.62 | 1300 | 11 | 0.11    | 150 | 850 | 0.01 | 0.002 | 0.005 | 160 | 160 | 0.02  | 0.032  | 2.8  |      |    |    |    | 0.032 | 0.005 |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: EC-14

| Date      | Time  | DEPTH | Field pH | Field Cond | Temp | NH3   | HCO3   | CO3 | pH   | Cond | Cl     | NO3/NO2 | SO4    | TDS  | TSS  | PO4   | As    | Cd    | Ca    | Fe-Tr | Fe-Dls | Mnd   | Mntr | Mg | Hg | Se | Na    | Zn    |
|-----------|-------|-------|----------|------------|------|-------|--------|-----|------|------|--------|---------|--------|------|------|-------|-------|-------|-------|-------|--------|-------|------|----|----|----|-------|-------|
| 9/19/2022 | 12:00 | 12.5  | 7.5      | 1395       | 11   | 0.024 | 467    | 0   | 7.42 | 960  | 24.99  | 0.02    | 93.43  | 1224 | 0    | 0.002 | 0.01  | 102.8 | 0.956 | 0.028 | 0.080  | 0.118 |      |    |    |    | 236   | 0.019 |
| 6/27/2022 | 10:20 | 12    | 7.3      | 1065       | 10   | 0.093 | 523    | 0   | 7.26 | 983  | 200    | 0.038   | 80.67  | 112  | 0    | 0.002 | 0.01  | 101.3 | 0.944 | 0.032 | 0.078  | 0.123 |      |    |    |    | 231   | 0.024 |
| 9/27/2021 | 12:15 | 12.5  | 7.1      | 920        | 8    | 0.215 | 406    | 0   | 7.59 | 995  | 137.47 | 0.072   | 267.26 | 798  | 0    | 0.002 | 0.01  | 123.5 | 1.38  | 0.122 | 0.106  | 0.158 |      |    |    |    | 266   | 0.036 |
| 6/21/2021 | 12:15 | 12    | 7.3      | 915        | 11   | 0.133 | 428    | 0   | 7.45 | 1179 | 262.38 | 0.033   | 93.02  | 846  | 0    | 0.002 | 0.01  | 108.2 | 1.09  | 0.116 | 0.095  | 0.146 |      |    |    |    | 259   | 0.029 |
| 9/16/2020 | 13:30 | 12.5  | 7.2      | 1570       | 15   | 0.189 | 380    | 0   | 7.68 | 989  | 194.98 | 0.018   | 76.56  | 932  | 0    | 0.002 | 0.01  | 121.3 | 1.16  | 0.119 | 0.098  | 0.164 |      |    |    |    | 269   | 0.039 |
| 6/16/2020 | 12:30 | 12    | 7.1      | 1300       | 15   | 0.112 | 432    | 0   | 7.38 | 1196 | 265.88 | 0.026   | 87.67  | 1096 | 0    | 0.002 | 0.01  | 116.3 | 1.28  | 0.112 | 0.101  | 0.178 |      |    |    |    | 263   | 0.035 |
| 9/23/2019 | 13:15 | 12.5  | 7.5      | 1440       | 13   | 0.073 | 190    | 0   | 7.48 | 671  | 142.7  | 0.08    | 87.26  | 566  | 0    | 0.002 | 0.01  | 48.3  | 1.34  | 0.123 | 0.082  | 0.138 |      |    |    |    | 202   | 0.033 |
| 6/24/2019 | 12:30 | 11    | 7.8      | 1450       | 11   | 0.096 | 426    | 0   | 7.54 | 938  | 113.68 | 0.12    | 105.55 | 882  | 0    | 0.002 | 0.01  | 81.3  | 1.67  | 0.154 | 0.094  | 0.168 |      |    |    |    | 202   | 0.038 |
| 9/17/2018 | 11:45 | 13    | 7.1      | 1400       | 14   | 0.078 | 301.25 | 0   | 7.33 | 732  | 116.78 | 0.18    | 104.96 | 1222 | 0    | 0.002 | 0.01  | 79.2  | 3.03  | 0.038 | 0.038  | 0.751 |      |    |    |    | 164   | 0.033 |
| 6/18/2018 | 12:15 | 12    | 8.4      | 1380       | 13   | 0.082 | 303.24 | 0   | 7.64 | 812  | 116.78 | 0.29    | 83.55  | 861  | 0    | 0.002 | 0.01  | 77.5  | 3.97  | 0.049 | 0.042  | 1.005 |      |    |    |    | 187   | 0.031 |
| 9/13/2017 | 12:05 | 12.75 | 7.9      | 1530       | 12   | 0.077 | 283.33 | 0   | 7.44 | 370  | 32.94  | 0.21    | 88.91  | 480  | 0    | 0.002 | 0.01  | 67.3  | 3.18  | 0.39  | 0.038  | 0.98  |      |    |    |    | 117   | 0.027 |
| 6/27/2017 | 11:00 | 12    | 8.2      | 1440       | 13   | 0.064 | 245.36 | 0   | 7.41 | 748  | 170.43 | 0.19    | 87.43  | 686  | 0    | 0.002 | 0.01  | 51.8  | 2.23  | 0.203 | 0.089  | 0.129 |      |    |    |    | 149   | 0.033 |
| 9/28/2016 | 12:00 | 12    | 7.5      | 1630       | 13   | 0.076 | 309.37 | 0   | 8.05 | 817  | 48.39  | 0.29    | 193.45 | 706  | 0    | 0.002 | 0.01  | 72.3  | 18.5  | 0.247 | 0.092  | 0.354 |      |    |    |    | 155   | 0.033 |
| 6/20/2016 | 9:45  | 11.5  | 8        | 560        | 12   | 0.078 | 302.26 | 0   | 8.01 | 605  | 35.45  | 0.22    | 103.72 | 656  | 0    | 0.002 | 0.01  | 71.3  | 5.43  | 0.041 | 0.052  | 1.13  |      |    |    |    | 139   | 0.031 |
| 8/19/2015 | 10:45 | 12    | 7.9      | 1060       | 13   | 0.082 | 269.43 | 0   | 7.87 | 719  | 16.44  | 0.38    | 145.96 | 694  | 0    | 0.003 | 0.01  | 68.1  | 22.8  | 0.049 | 0.042  | 1.64  |      |    |    |    | 148   | 0.025 |
| 9/11/2014 | 9:00  | 12.6  | 8.2      | 670        | 12   | 0.104 | 378    | 0   | 7.55 | 854  | 46.12  | 0.4     | 111.9  | 763  | 0    | 0.003 | 0.01  | 77.6  | 6.42  | 0.09  | 0.010  | 0.17  |      |    |    |    | 145.2 | 0.03  |
| 6/25/2014 | 9:00  | 12    | 8.4      | 660        | 12   | 0.091 | 271    | 0   | 7.72 | 680  | 16.4   | 0.51    | 103.58 | 572  | 0    | 0.005 | 0.01  | 88.6  | 39.7  | 0.046 | 0.046  | 1.97  |      |    |    |    | 197   | 0.019 |
| 7/18/2013 | 12:00 | 13    | 7.7      | 680        | 10   | 0.088 | 287.18 | 0   | 7.69 | 694  | 22.13  | 0.48    | 108.36 | 527  | 0.08 | 0.006 | 0.01  | 81.3  | 44.8  | 0.038 | 0.050  | 2.62  |      |    |    |    | 188.3 | 0.02  |
| 6/18/2013 | 12:00 | 14    | 7.6      | 630        | 12   |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |      |    |    |    |       |       |
| 8/2/2012  | 13:30 | 14    | 7        | 760        | 9    | 0.22  | 333.4  | 0   | 7.21 | 650  | 98.51  | 0.41    | 38.87  | 556  | 0.08 | 0.003 | 0.01  | 75.2  | 180   | 0.04  | 0.010  | 8.98  |      |    |    |    | 76.2  | 0.51  |
| 6/19/2012 | 13:30 | 12    | 7.3      | 780        | 8    |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |      |    |    |    |       |       |
| 7/26/2011 | 9:00  | 14    | 7.9      | 1050       | 10   | 0.12  | 80.31  | 0   | 7.37 | 955  | 4.96   | 0.19    | 112.36 | 1086 | 0.08 | 0.01  | 0.01  | 68.1  | 17.66 | 0.14  | 0.010  | 0.46  |      |    |    |    | 212   | 0.03  |
| 6/23/2011 | 9:00  | 14    | 8        | 920        | 10   |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |      |    |    |    |       |       |
| 8/5/2010  | 6:45  | 14    | 9.3      | 1090       | 8    | 0.02  | 484.84 | 0   | 7.41 | 1161 | 27.23  | 1.46    | 120.19 | 798  | 0.08 | 0.007 | 0.01  | 25.06 | 36.8  | 0.02  | 0.010  | 1.18  |      |    |    |    | 160   | 0.02  |
| 6/15/2010 | 8:30  | 12.9  | 9.2      | 1050       | 9    | 0.124 | 518.57 | 0   | 7.33 | 1277 | 9.43   | 5.97    | 109.07 | 980  | 0    | 0.072 | 0.006 | 70.6  | 56.5  | 0.42  | 0.003  | 1.16  |      |    |    |    | 258.8 | 0.03  |
| 8/4/2009  | 14:00 | 14    | 8.2      | 940        | 12   | 0.2   | 720    | 1   | 7.29 | 1100 | 8      | 0.05    | 110    | 820  | 0.01 | 0.002 | 0.005 | 130   | 72    | 0.01  | 0.008  | 1.5   |      |    |    |    | 180   | 0.007 |
| 6/17/2009 | 14:00 | 13.3  | 7.6      | 1080       | 9    | 0.05  | 530    | 1   | 7.40 | 1000 | 14     | 0.02    | 88     | 650  | 0.01 | 0.01  | 0.005 | 100   | 34    | 0.03  | 0.005  | 0.749 |      |    |    |    | 140   | 0.005 |
| 8/11/2008 | 9:00  | 14    | 7.4      | 1060       | 10   | 0.52  | 750    | 1   | 7.46 | 1300 | 14     | 0.02    | 100    | 970  | 0.02 | 0.01  | 0.005 | 160   | 82    | 0.01  | 0.031  | 2.3   |      |    |    |    | 190   | 0.005 |
| 6/18/2008 | 14:00 | 12.3  | 8        | 1040       | 7    |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |      |    |    |    |       |       |
| 8/2/2007  | 14:00 | 14    | 7.48     | 1100       | 6    | 0.33  | 660    | 1   | 7.61 | 1200 | 8      | 0.02    | 120    | 430  | 0.01 | 0.002 | 0.005 | 78    | 22    | 0.01  | 0.005  | 0.316 |      |    |    |    | 190   | 0.005 |
| 6/19/2007 | 14:00 | 14    | 7.32     | 1200       | 8.5  | 0.46  | 710    | 1   | 7.74 | 1300 | 22     | 0.02    | 120    | 910  | 0.11 | 0.002 | 0.005 | 77    | 48    | 0.01  | 0.005  | 0.571 |      |    |    |    | 200   | 0.005 |
| 8/10/2006 | 14:00 | 14    | 7.53     | 1190       | 10   | 0.2   | 740    |     | 7.61 | 1300 | 19     | 0.08    | 130    | 1100 | 0.01 | 0.002 | 0.005 | 94    | 85    | 0.01  | 0.005  | 0     |      |    |    |    | 200   | 0.005 |
| 6/9/2006  | 12:00 | 13.6  | 7.68     | 1090       | 7    |       |        |     |      |      |        |         |        |      |      |       |       |       |       |       |        |       |      |    |    |    |       |       |

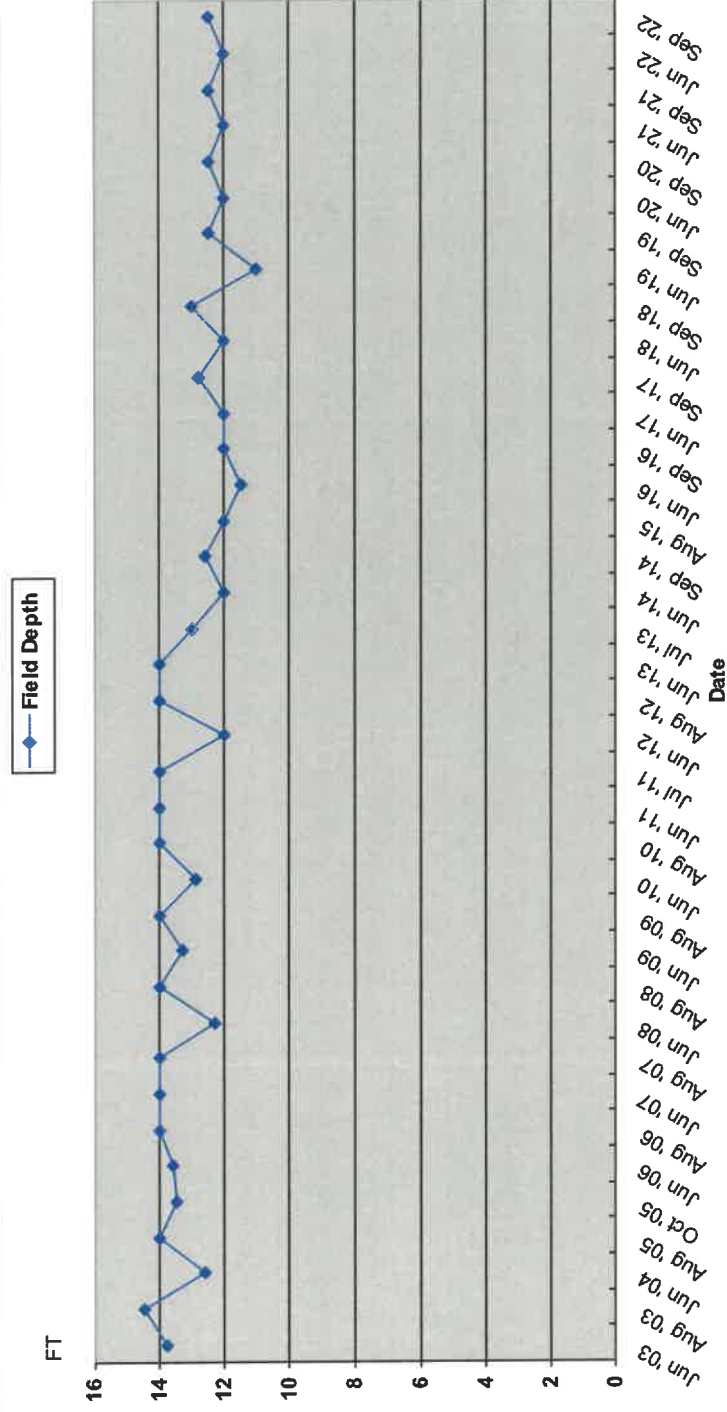
# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: EC-14

| Date       | Time  | DEPTH | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TDS | TSS  | PO4   | As    | Cd  | Ca  | Fe-Tr | Fe-Dls | Mnd  | Mntr | Mg | Hg | Se | Na    | Zn    |
|------------|-------|-------|----------|------------|-----|------|------|-----|------|------|----|---------|-----|-----|------|-------|-------|-----|-----|-------|--------|------|------|----|----|----|-------|-------|
| 10/17/2005 | 14:00 | 13.5  | 7.68     | 1070       | 11  | 0.37 | 710  | 1   | 7.57 | 1300 | 18 | 0.61    | 160 | 870 | 0.01 | 0.002 | 0.005 | 90  | 12  | 0.01  | 0.005  | 0.38 |      |    |    |    | 220   | 0.005 |
| 8/5/2005   | 10:00 | 14    | 7.4      | 1060       | 10  |      | 710  |     | 7.57 | 1300 | 18 |         | 160 | 870 | 0.01 | 0.002 | 0.005 | 90  | 12  | 0.01  | 0.005  | 0.38 |      |    |    |    | 220   | 0.006 |
| 6/22/2004  | 14:00 | 12.6  | 7.68     | 1120       | 12  | 0.55 | 1100 | 1   | 7.53 | 1100 | 14 | 0.02    | 170 | 880 | 0.01 | 0.002 | 0.005 | 410 | 460 | 0.01  | 0.005  | 8    |      |    |    |    | 220   | 0.005 |
| 8/28/2003  | 14:00 | 14.5  | 7.85     | 960        | 11  | 0.05 | 1500 | 1   | 7.57 | 1200 | 11 | 0.1     | 150 | 830 | 0.01 | 0.002 | 0.005 | 600 | 990 | 0.04  | 0.011  | 14   |      |    |    |    | 230   | 0.005 |
| 6/17/2003  | 14:00 | 13.75 | 7.02     | 990        | 13  | 0.05 | 800  | 1   | 7.52 | 1300 | 11 | 0.11    | 150 | 850 | 0.01 | 0.002 | 0.005 | 160 | 160 | 0.02  | 0.032  | 2.8  |      |    |    |    | 0.032 | 0.005 |

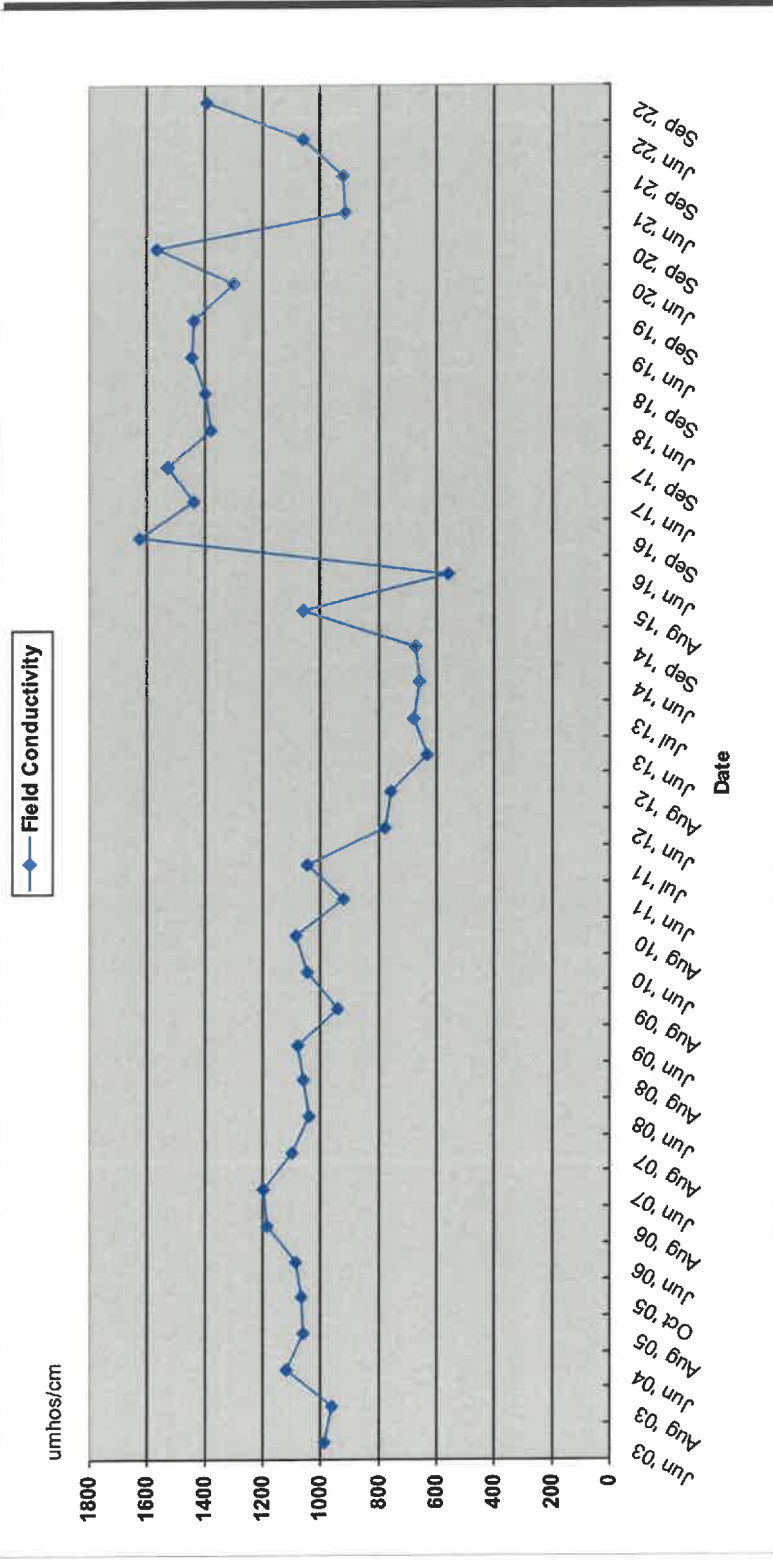
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: EC-14



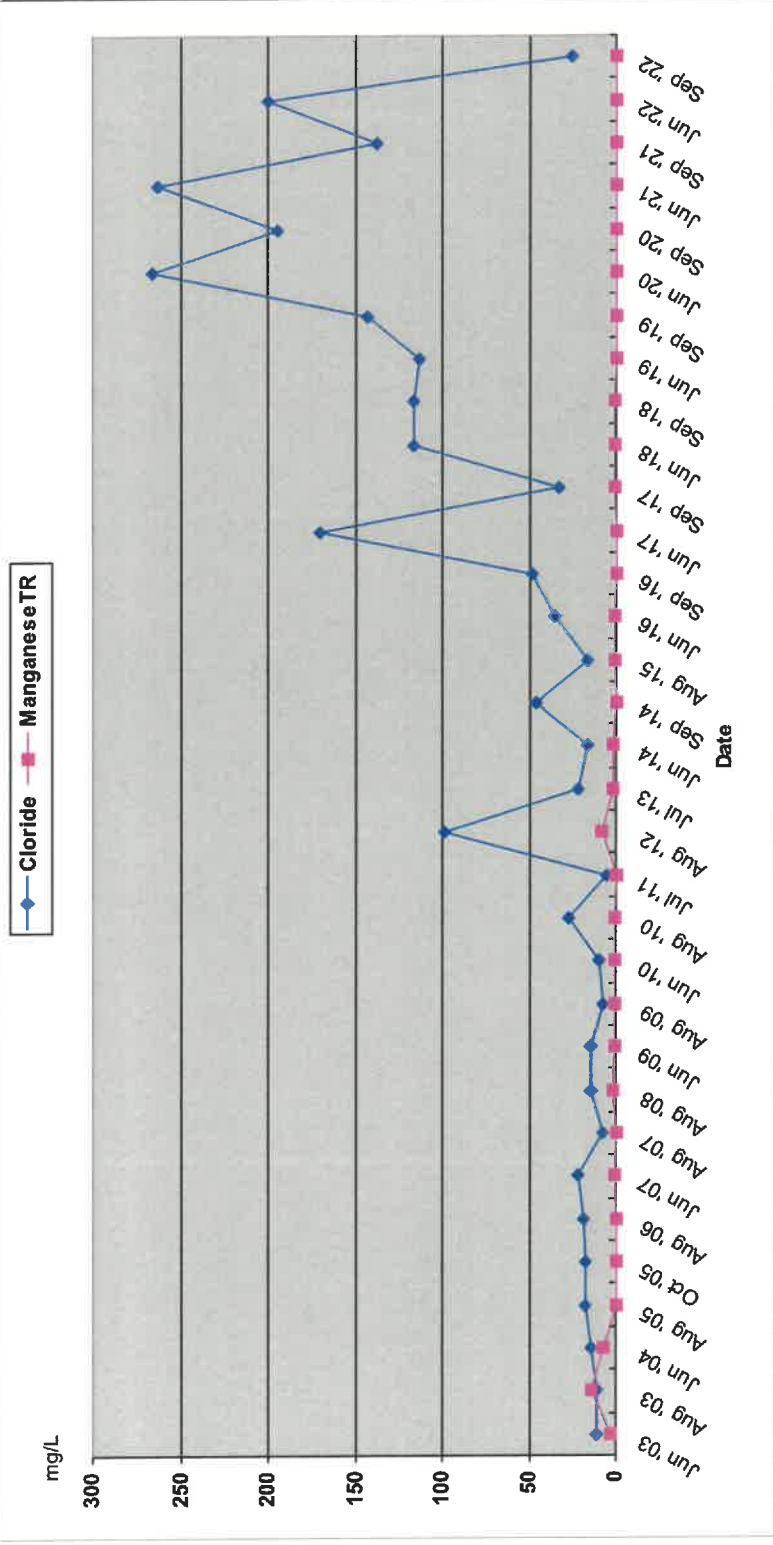
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: EC-14



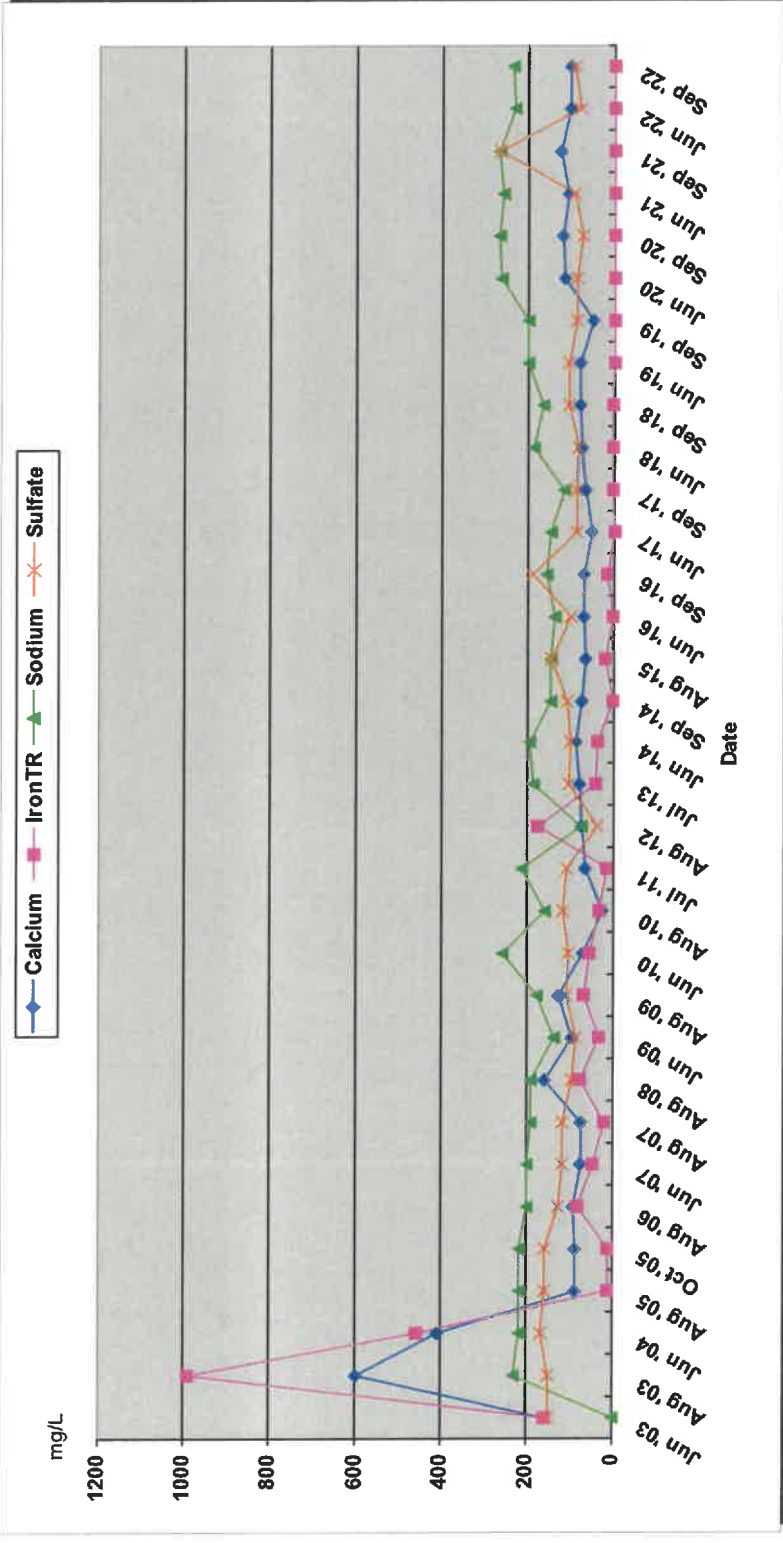
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: EC-14



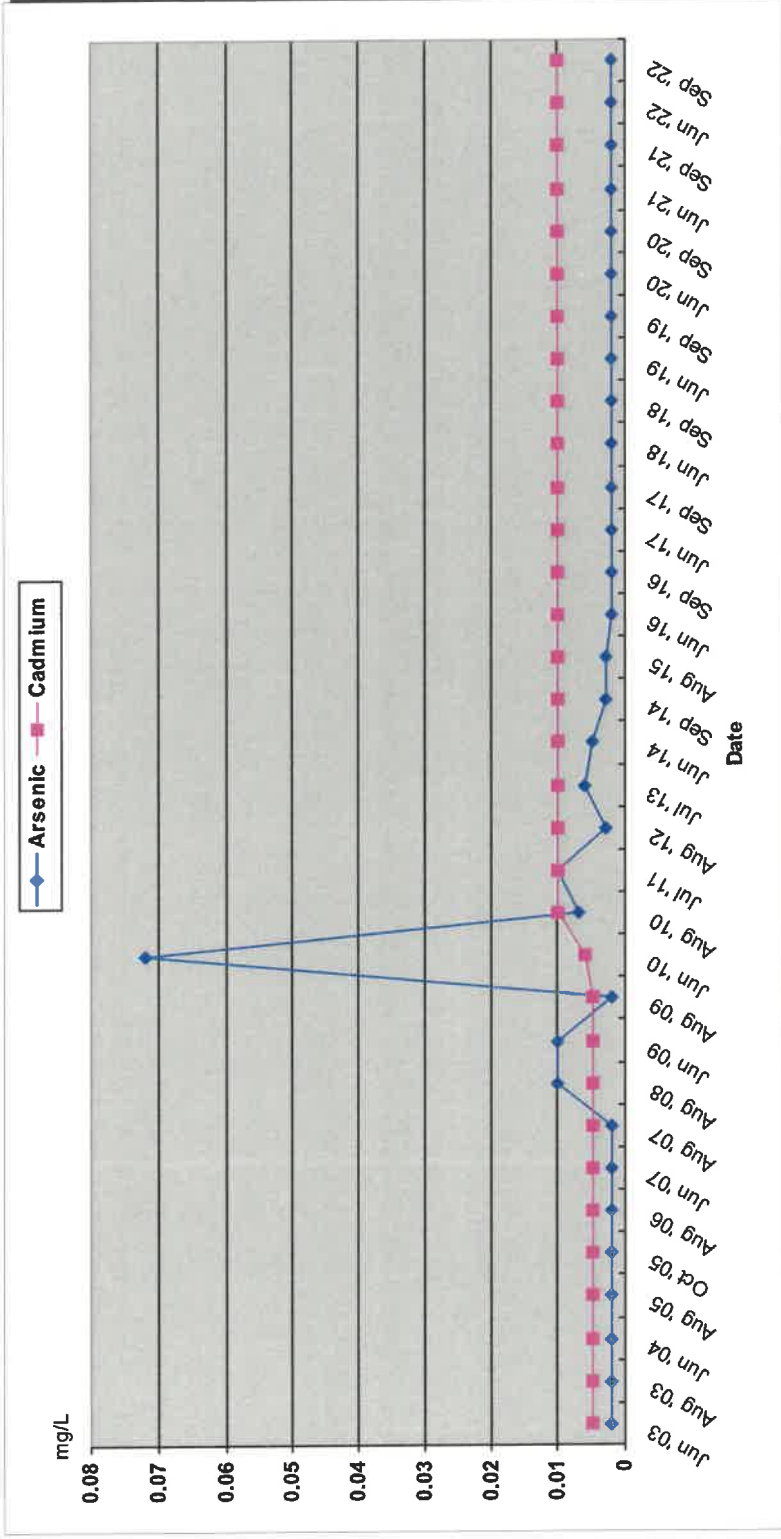
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: EC-14



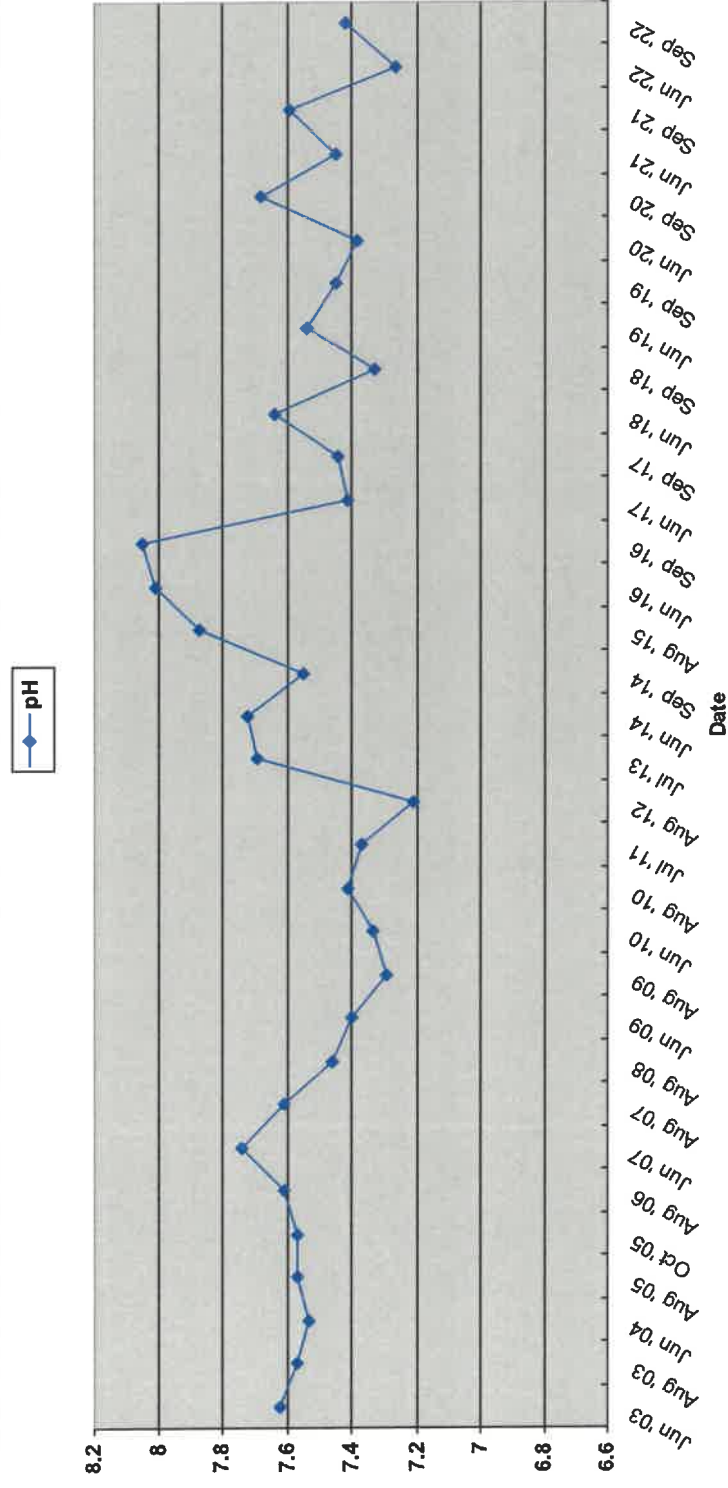
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: EC-14



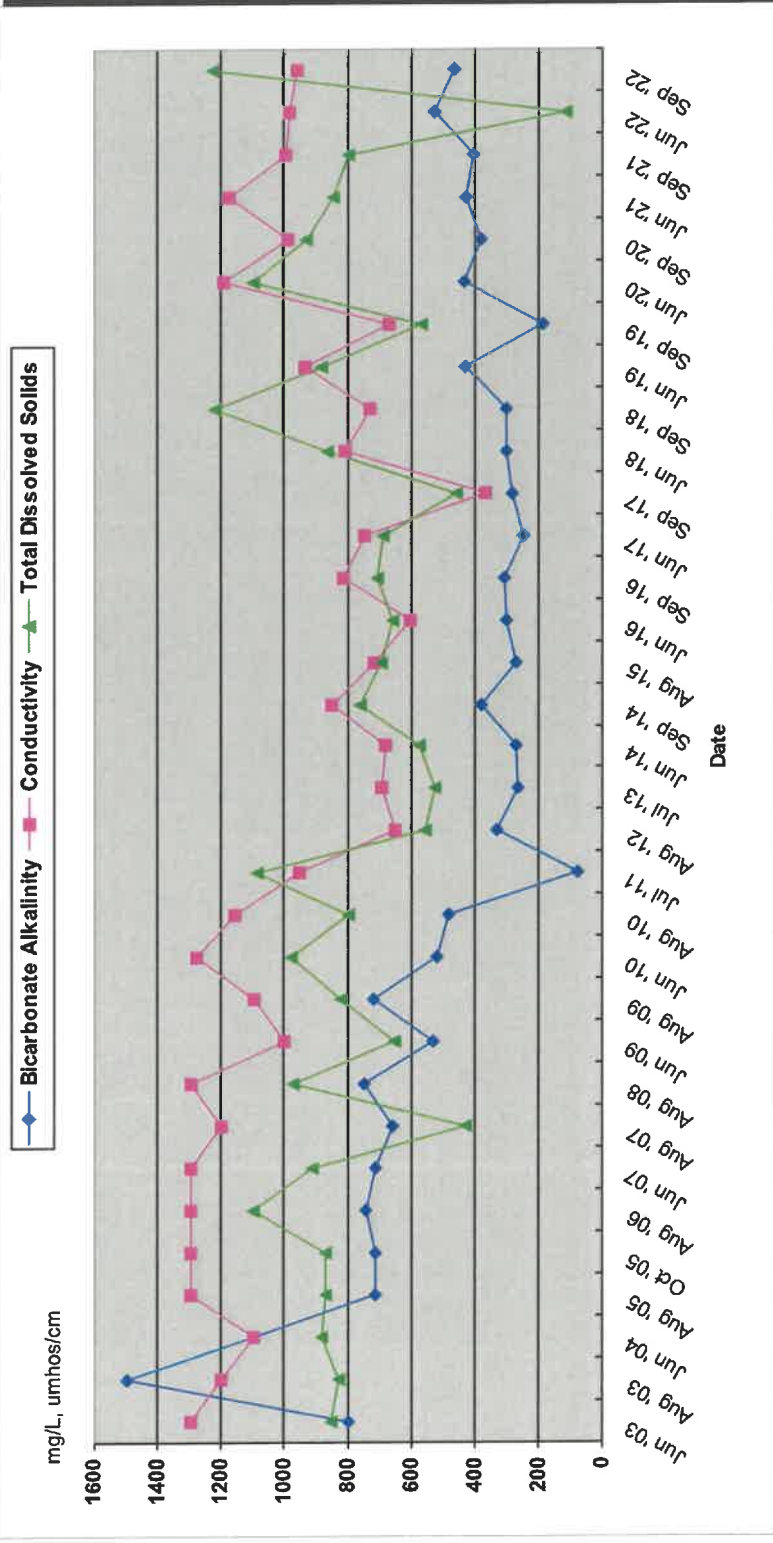
# MONITORING CHART FOI2022 AHR

GROUND WATER LOCATION: EC-14



# MONITORING CHART FOR 2022 AHR

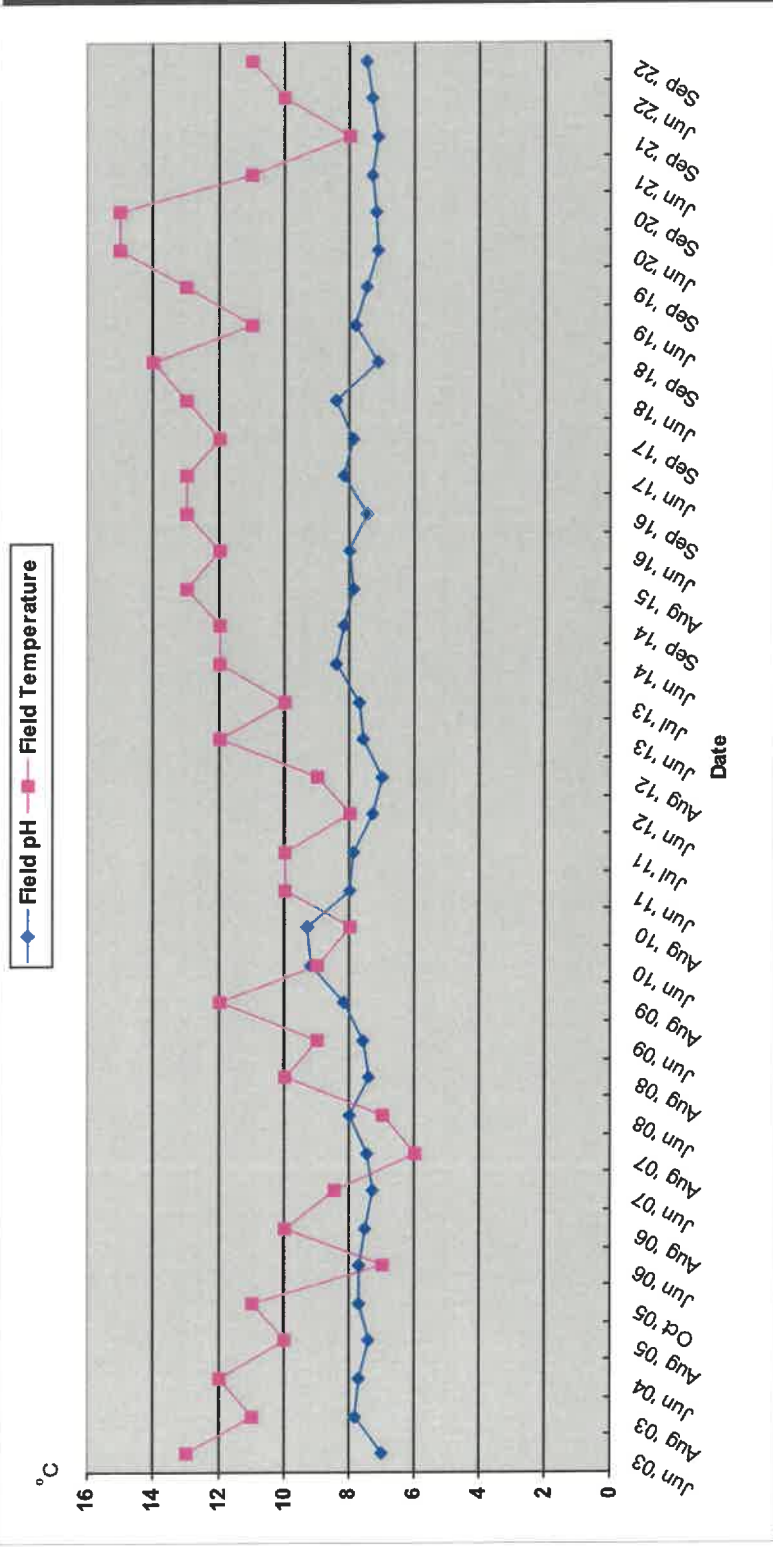
GROUND WATER LOCATION: EC-14



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

# MONITORING CHART FOR 2022 AHR

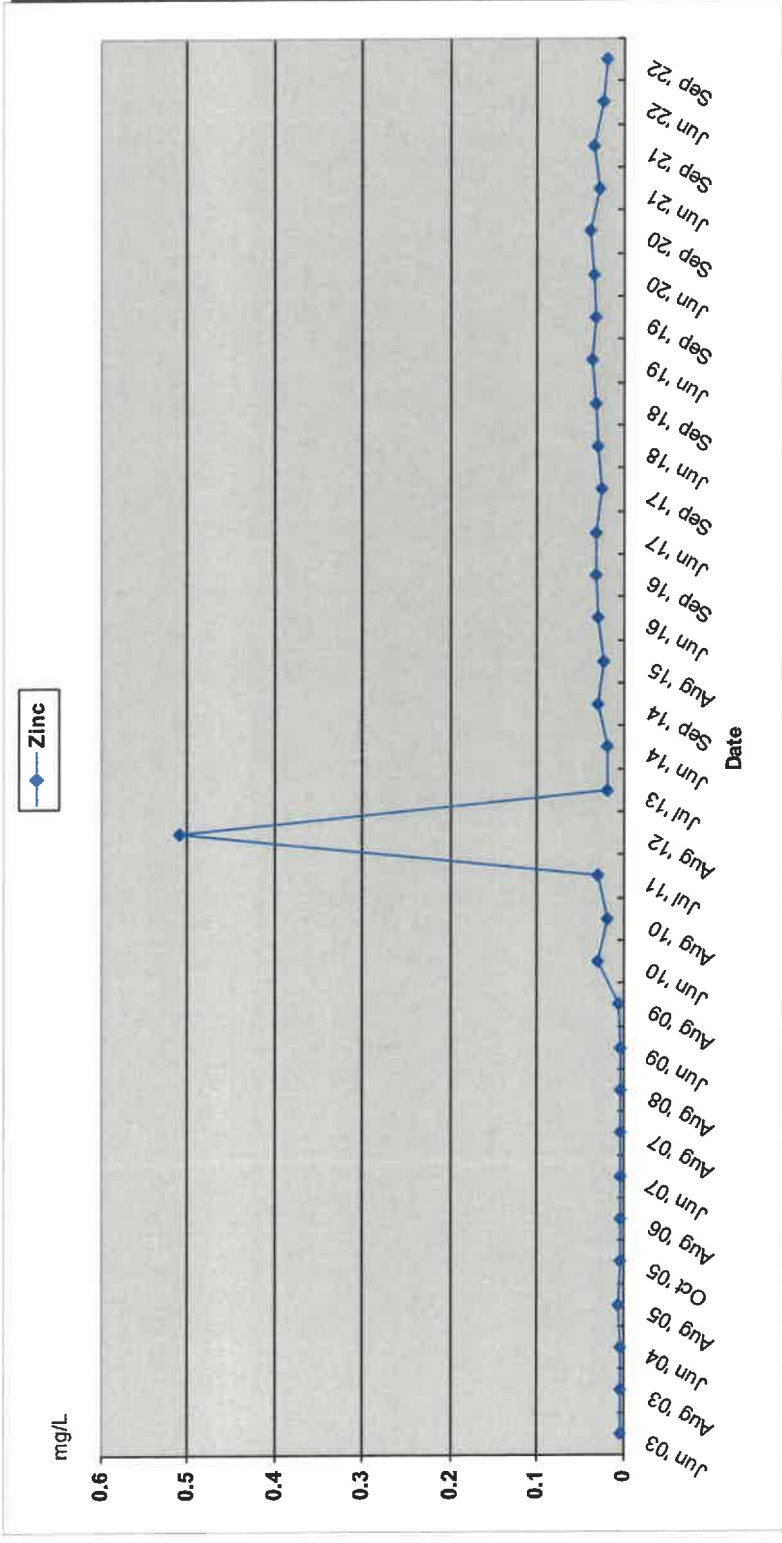
GROUND WATER LOCATION: EC-14



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: EC-14



EC-15 WELL  
MID ELK CREEK CANYON  
ALLUVIUM / COLLUVIUM

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: EC-15

| Date       | Time  | DEPTH | Field pH | Field Cond | Tem | NH3   | HCO3   | CO3    | pH   | Cond | Cl     | NO3/NO2 | SO4    | TDS  | TSS | PO4   | As    | Cd    | Ca    | Fe-Tr | Fe-Dis | Mnd   | Mntr  | Mg | Hg | Se | Na    | Zn    |
|------------|-------|-------|----------|------------|-----|-------|--------|--------|------|------|--------|---------|--------|------|-----|-------|-------|-------|-------|-------|--------|-------|-------|----|----|----|-------|-------|
| 9/16/2022  | 12:30 | 51    | 0        | 0          | 0   | 0     | 0.178  | 400    | 0    | 7.30 | 720    | 0.03    | 28.4   | 352  | 0   | 0.002 | 0.01  | 96.1  | 1.76  | 0.234 | 0.095  | 0.268 |       |    |    |    | 258   | 0.047 |
| 6/27/2022  | 10:35 | 42.5  | 7.3      | 692        | 14  | 0.147 | 364    | 0      | 7.42 | 1070 | 243.81 | 0.097   | 46.51  | 1006 | 0   | 0.002 | 0.01  | 93.4  | 2.38  | 0.267 | 0.103  | 0.361 |       |    |    |    | 247   | 0.052 |
| 9/27/2021  | 9:00  | 52    | 0        | 0          | 0   | 0     | 0.129  | 410    | 0    | 7.37 | 1129   | 0.11    | 68.33  | 1012 | 0   | 0.003 | 0.01  | 96.9  | 2.67  | 0.344 | 0.116  | 0.38  |       |    |    |    | 254   | 0.056 |
| 6/21/2021  | 12:00 | 43.5  | 7.2      | 747        | 14  | 0.147 | 364    | 0      | 7.42 | 1070 | 243.81 | 0.097   | 46.51  | 1006 | 0   | 0.002 | 0.01  | 93.4  | 2.38  | 0.267 | 0.103  | 0.361 |       |    |    |    | 247   | 0.052 |
| 6/16/2020  | 12:15 | 44    | 7.1      | 1140       | 16  | 0.129 | 410    | 0      | 7.37 | 1129 | 248.15 | 0.11    | 68.33  | 1012 | 0   | 0.003 | 0.01  | 96.9  | 2.67  | 0.344 | 0.116  | 0.38  |       |    |    |    | 254   | 0.056 |
| 9/23/2019  | 13:05 | 48    | 7.5      | 1420       | 15  | 0.072 | 139    | 0      | 7.27 | 628  | 121.6  | 0.05    | 62.97  | 564  | 0   | 0.002 | 0.01  | 50.2  | 2.97  | 0.354 | 0.089  | 0.313 |       |    |    |    | 141   | 0.048 |
| 6/24/2019  | 12:45 | 40.5  | 8.1      | 1040       | 13  | 0.149 | 294    | 0      | 7.67 | 634  | 125.18 | 0.09    | 58.57  | 596  | 0   | 0.002 | 0.01  | 67.8  | 3.28  | 0.381 | 0.101  | 0.36  |       |    |    |    | 193   | 0.049 |
| 6/18/2018  | 12:30 | 45.5  | 8.2      | 1580       | 15  | 0.126 | 296.55 | 0      | 7.30 | 790  | 103.43 | 0.26    | 105.73 | 848  | 0   | 0.002 | 0.01  | 76.6  | 5.37  | 0.055 | 0.055  | 0.457 |       |    |    |    | 183   | 0.036 |
| 6/27/2017  | 11:20 | 47    | 8.1      | 1020       | 14  | 0.083 | 216.92 | 0      | 7.29 | 627  | 107.93 | 0.16    | 64.62  | 572  | 0   | 0.002 | 0.01  | 55.1  | 3.67  | 0.351 | 0.093  | 0.312 |       |    |    |    | 141   | 0.042 |
| 9/28/2016  | 12:25 | 49    | 7.4      | 1360       | 16  | 0.088 | 291.59 | 0      | 7.90 | 646  | 37.49  | 0.22    | 48.98  | 578  | 0   | 0.002 | 0.01  | 65.7  | 25.33 | 0.636 | 0.089  | 0.614 |       |    |    |    | 171   | 0.039 |
| 6/20/2016  | 10:00 | 43.5  | 8.2      | 540        | 13  | 0.103 | 273.54 | 0      | 7.89 | 525  | 17.73  | 0.16    | 78.45  | 508  | 0   | 0.002 | 0.01  | 66.2  | 4.56  | 0.051 | 0.038  | 0.405 |       |    |    |    | 164   | 0.033 |
| 8/19/2015  | 10:00 | 48    | 7.8      | 910        | 13  | 0.097 | 233.51 | 233.51 | 7.88 | 708  | 18.53  | 0.29    | 112.5  | 651  | 0   | 0.002 | 0.01  | 64.3  | 7.46  | 0.048 | 0.026  | 0.303 |       |    |    |    | 158   | 0.026 |
| 6/16/2015  | 10:40 | 44.5  | 8        | 1060       |     |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 9/11/2014  | 9:00  | 45    | 7.4      | 840        | 14  | 0.107 | 322    | 0      | 7.42 | 938  | 30.75  | 0.25    | 88.08  | 842  | 0   | 0.002 | 0.01  | 97.2  | 1.9   | 0.08  | 0.010  | 0.06  |       |    |    |    | 129.6 | 0.09  |
| 6/25/2014  | 9:00  | 45.5  | 7.8      | 780        | 17  | 0.111 | 228    | 0      | 7.69 | 694  | 20.03  | 0.36    | 94.11  | 631  | 0   | 0.003 | 0.01  | 85.2  | 10.08 | 0.051 | 0.029  | 0.279 |       |    |    |    | 185   | 0.021 |
| 7/18/2013  | 12:00 | 51    | 7.6      | 770        | 14  | 0.113 | 239.55 | 0      | 7.63 | 724  | 18.66  | 0.33    | 98.51  | 672  | 0   | 0.003 | 0.01  | 84.4  | 9.66  | 0.044 | 0.030  | 0.38  |       |    |    |    | 177.4 | 0.02  |
| 6/18/2013  | 12:00 | 46    | 7.3      | 1450       | 12  |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 8/2/2012   | 12:00 | 51.25 | 0        | 0          | 0   |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 6/19/2012  | 14:00 | 47    | 7        | 830        | 11  |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 7/28/2011  | 9:00  | 49    | 7.8      | 880        | 12  | 0.13  | 56.72  | 0      | 7.26 | 782  | 2.48   | 0.22    | 75.73  | 2280 | 0   | 0.08  | 0.013 | 0.01  | 67.2  | 2.78  | 0.1    | 0.010 | 0.07  |    |    |    | 194   | 0.03  |
| 6/23/2011  | 9:00  | 46    | 7.8      | 1070       | 7   |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 8/5/2010   | 7:00  | 46.5  | 9.1      | 880        | 7   | 0.02  | 371.01 | 0      | 7.07 | 895  | 40.84  | 1.37    | 74.5   | 534  | 0   | 0.08  | 0.004 | 0.01  | 80.3  | 24    | 0.08   | 0.010 | 0.81  |    |    |    | 96.5  | 0.04  |
| 6/15/2010  | 10:00 | 44.75 | 8.9      | 800        | 8   | 0.086 | 383.66 | 0      | 7.02 | 951  | 5.76   | 0       | 62.15  | 650  | 0   | 0.067 | 0.005 | 72.2  | 73    | 0.01  | 0.001  | 2.01  |       |    |    |    | 138   | 0.02  |
| 8/4/2009   | 12:40 | 49.3  | 7.8      | 690        | 19  | 0.6   | 550    | 1      | 7.04 | 810  | 6      | 0.04    | 62     | 660  | 0   | 0.01  | 0.002 | 0.005 | 460   | 280   | 0.01   | 0.021 | 10    |    |    |    | 110   | 0.005 |
| 6/16/2009  | 11:00 | 47    | 7.5      | 800        | 13  | 0.17  | 610    | 1      | 7.58 | 1100 | 11     | 0.02    | 98     | 910  | 0   | 0.02  | 0.01  | 0.005 | 84    | 10    | 0.03   | 0.005 | 0.17  |    |    |    | 150   | 0.005 |
| 8/8/2008   | 10:00 | 48.5  | 7.3      | 800        | 13  | 0.31  | 550    | 1      | 7.11 | 980  | 12     | 0.03    | 66     | 490  | 0   | 0.04  | 0.01  | 0.005 | 140   | 74    | 0.01   | 0.021 | 1.8   |    |    |    | 110   | 0.008 |
| 6/18/2008  | 10:00 | 46    | 7.6      | 800        | 10  |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 8/2/2007   | 10:00 | 48    | 7.08     | 860        | 14  | 0.51  | 560    | 1      | 7.37 | 930  | 6      | 0.07    | 68     | 2800 | 0   | 0.01  | 0.002 | 0.005 | 120   | 69    | 0.03   | 0.005 | 1.2   |    |    |    | 110   | 0.005 |
| 6/19/2007  | 9:30  | 46.5  | 6.94     | 840        | 11  | 0.31  | 530    | 1      | 7.26 | 890  | 10     | 0.02    | 62     | 610  | 0   | 0.03  | 0.002 | 0.005 | 82    | 41    | 0.01   | 0.005 | 0.661 |    |    |    | 110   | 0.005 |
| 8/10/2006  | 22:00 | 49    | 6.97     | 890        | 14  | 0.16  | 660    | 1      | 7.66 | 1000 | 11     | 0.07    | 79     | 760  | 0   | 0.01  | 0.002 | 0.005 | 180   | 160   | 0.01   | 0.005 |       | 76 |    |    | 110   | 0.005 |
| 6/9/2006   | 12:00 | 46    | 7.23     | 860        | 0   |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 10/17/2005 | 2:35  | 48.33 | 0        | 0          | 0   |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |
| 8/5/2005   | 9:20  | 48.2  | 6.73     | 880        | 12  |       |        |        |      |      |        |         |        |      |     |       |       |       |       |       |        |       |       |    |    |    |       |       |

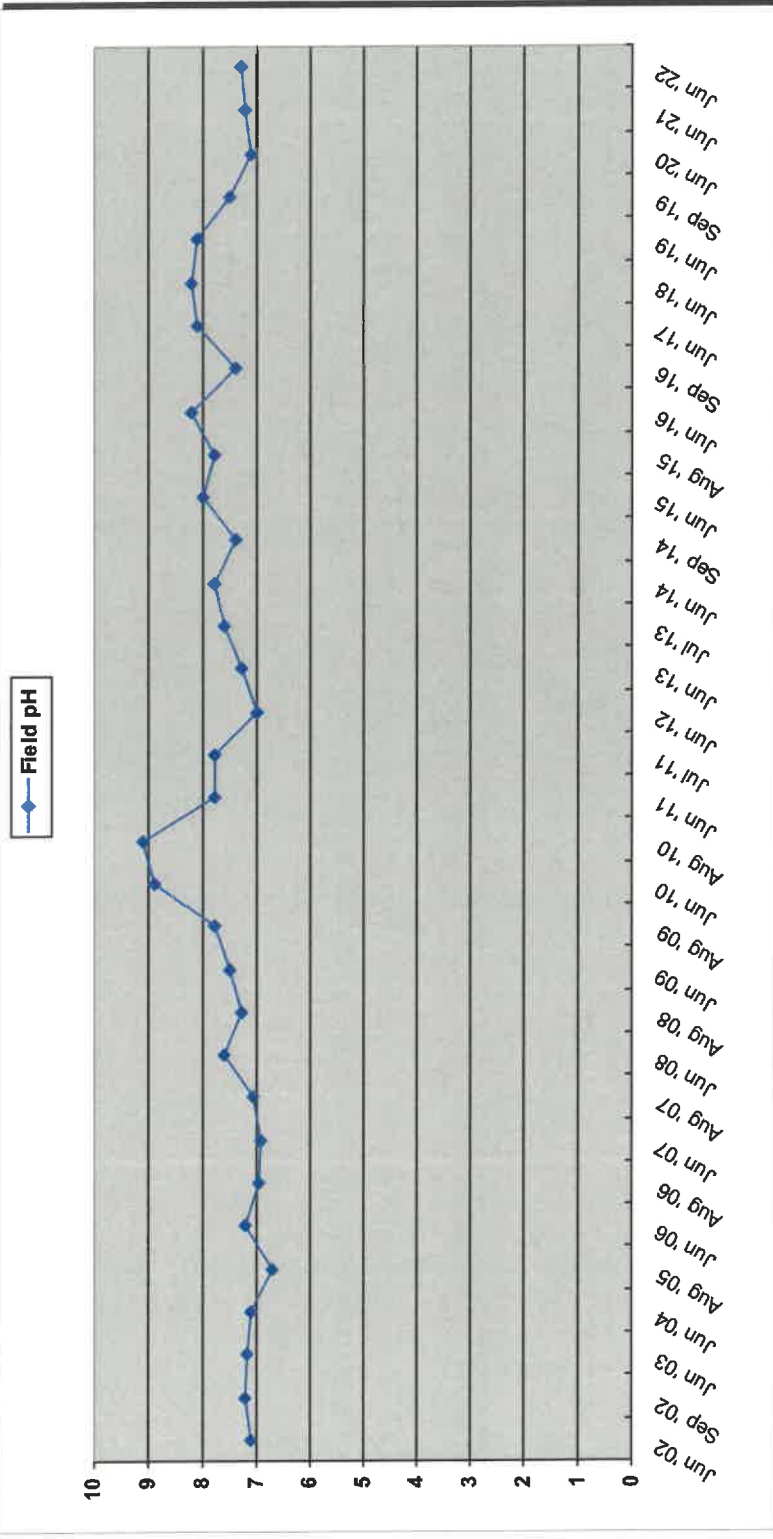
# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: EC-15

| Date      | Time  | DEPTH | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3  | pH   | Cond | Cl | NO3/NO2 | SO4 | TDS | TSS | PO4  | As    | Cd    | Ca  | Fe-Tr | Fe-Dls | Mnd   | Mntr | Mg | Hg | Se | Na  | Zn    |
|-----------|-------|-------|----------|------------|-----|------|------|------|------|------|----|---------|-----|-----|-----|------|-------|-------|-----|-------|--------|-------|------|----|----|----|-----|-------|
| 8/23/2004 | 14:15 | 51.25 | 0        | 0          | 0   |      |      |      |      |      |    |         |     |     |     |      |       |       |     |       |        |       |      |    |    |    |     |       |
| 6/22/2004 | 12:45 | 46    | 7.1      | 929        | 15  | 0.25 | 770  | 1    | 7.29 | 1000 | 12 | 0.13    | 99  | 660 |     | 0.01 | 0.002 | 0.005 | 220 | 76    | 0.01   | 0.005 | 1.8  |    |    |    | 130 | 0.006 |
| 8/26/2003 | 13:00 | 51.25 | 0        | 0          | 0   |      |      |      |      |      |    |         |     |     |     |      |       |       |     |       |        |       |      |    |    |    |     |       |
| 6/19/2003 | 15:00 | 0     | 7.18     | 660        | 15  | 0.05 | 740  | 1    | 7.22 | 1100 | 11 | 0.29    | 120 | 700 |     | 0.01 | 0.002 | 0.005 | 240 | 110   | 0.04   | 0.005 | 2.7  |    |    |    | 110 | 0.005 |
| 9/23/2002 | 7:00  | 46    | 7.2      | 900        | 15  | 0.6  | 1000 | 1200 | 7.56 | 1100 | 26 | 0.39    | 140 | 130 |     | 0.01 | 0.002 | 0.005 | 410 | 210   | 0.01   | 0.005 | 7.5  |    |    |    | 130 |       |
| 6/25/2002 | 7:00  | 46    | 7.1      | 900        | 17  |      |      |      |      |      |    |         |     |     |     |      |       |       |     |       |        |       |      |    |    |    |     |       |

# MONITORING CHART FOI 2022 AHR

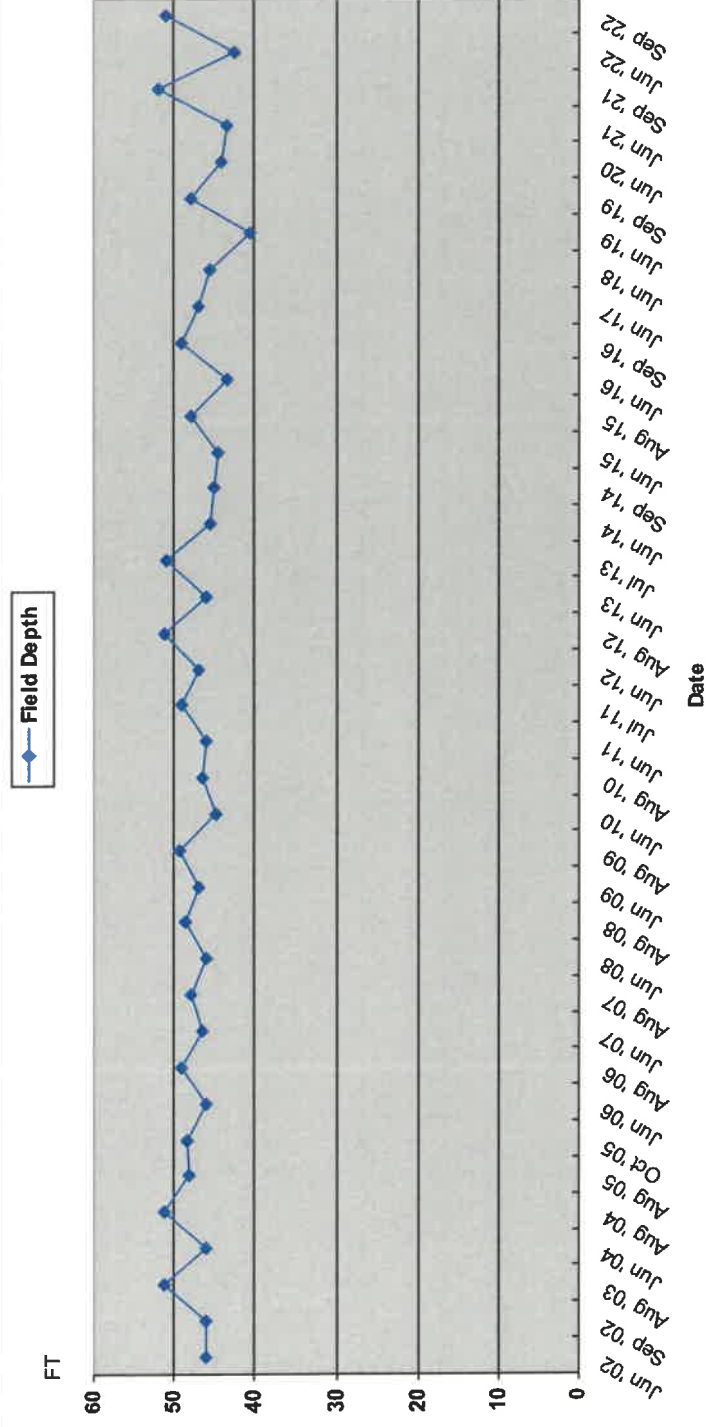
GROUND WATER LOCATION: EC-15



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

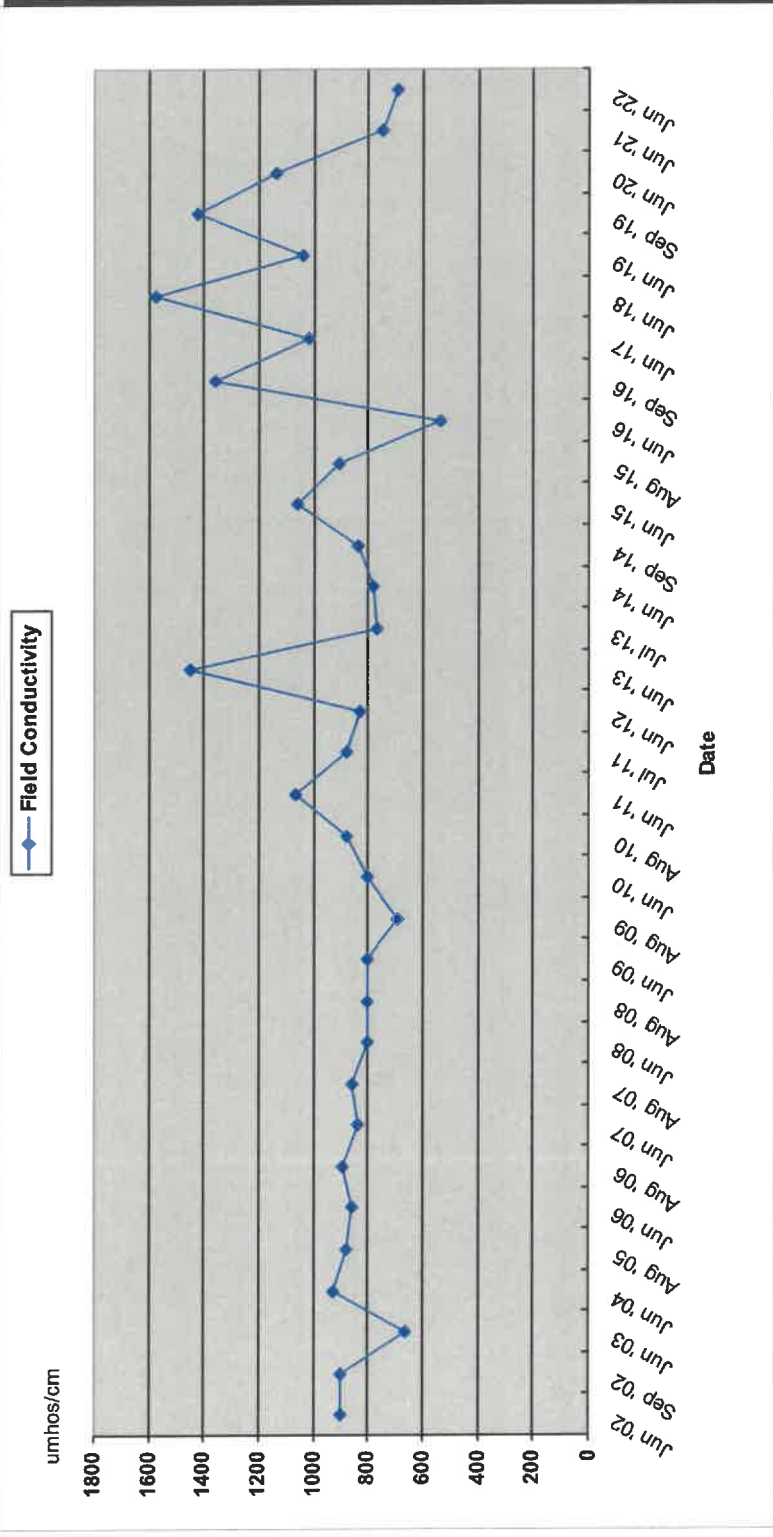
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: EC-15



# MONITORING CHART FOR 2022 AHR

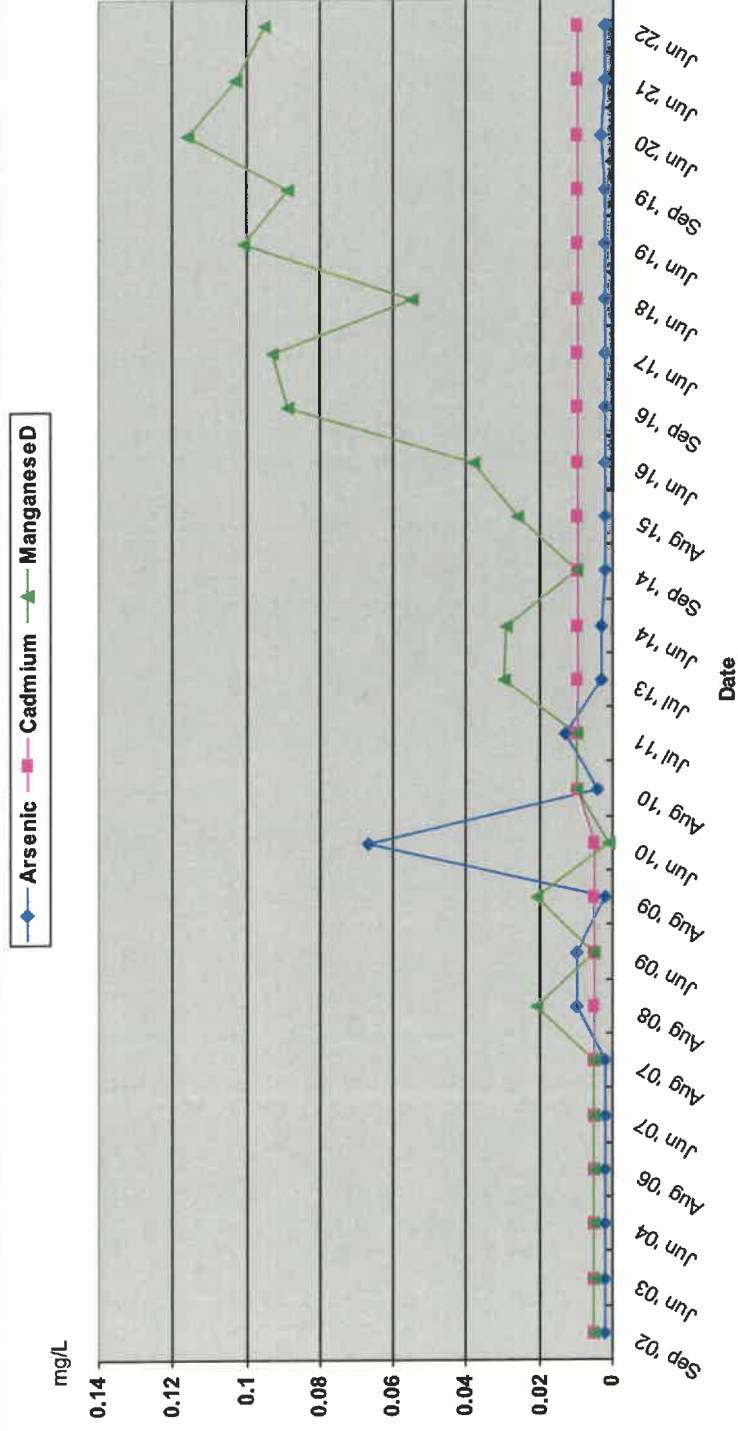
GROUND WATER LOCATION: EC-15



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

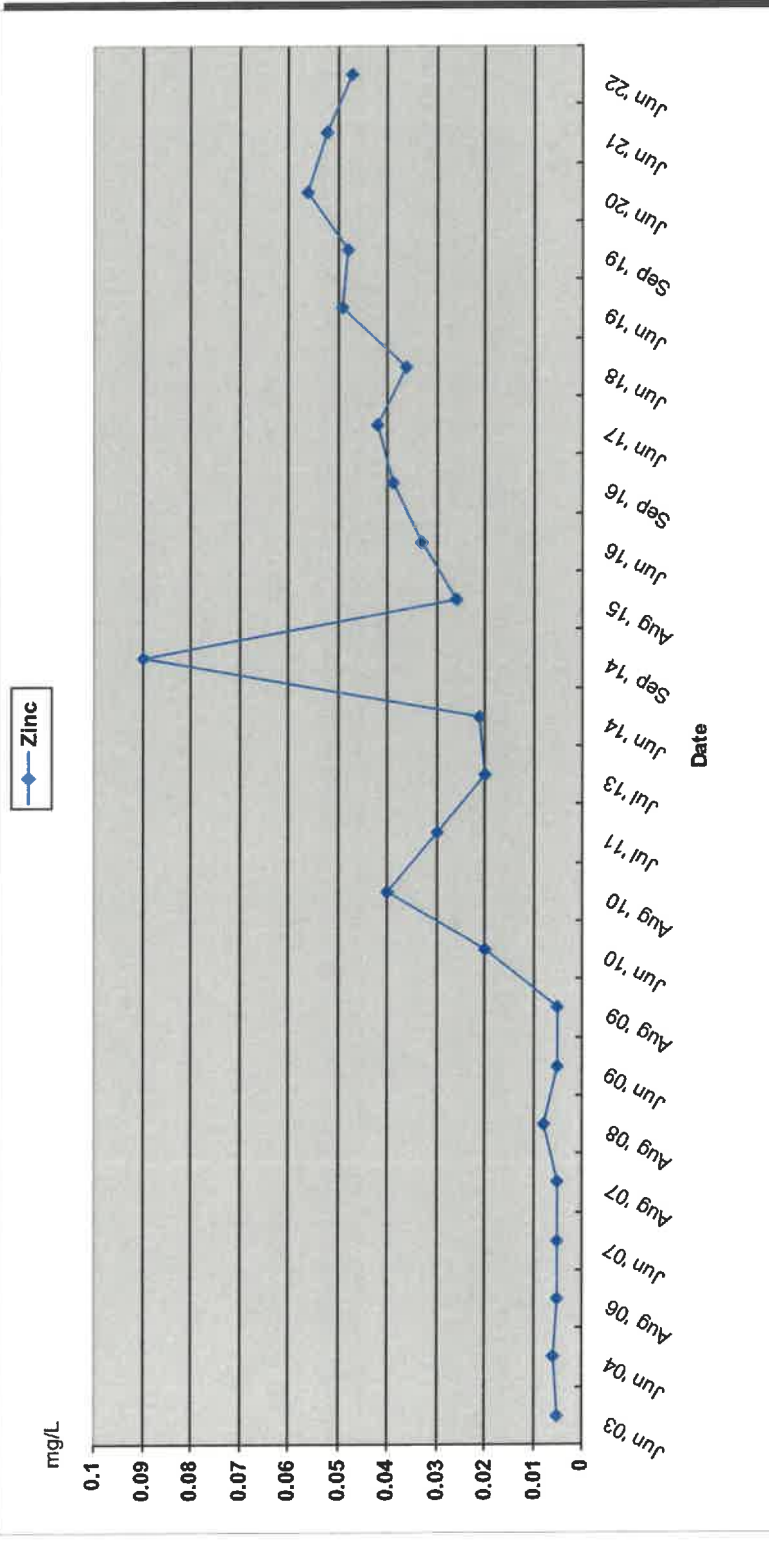
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: EC-15



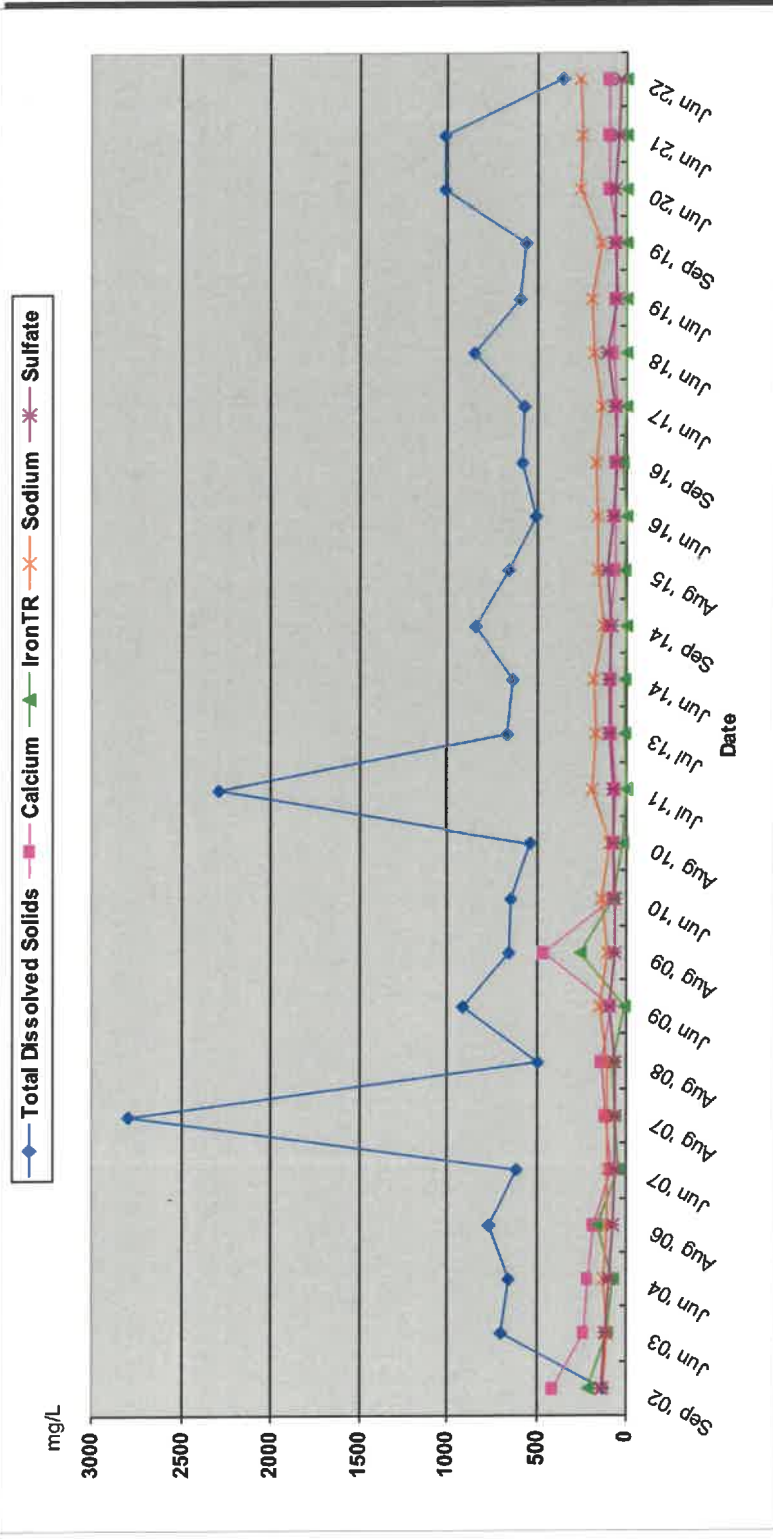
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: EC-15



# MONITORING CHART FOR 2022 AHR

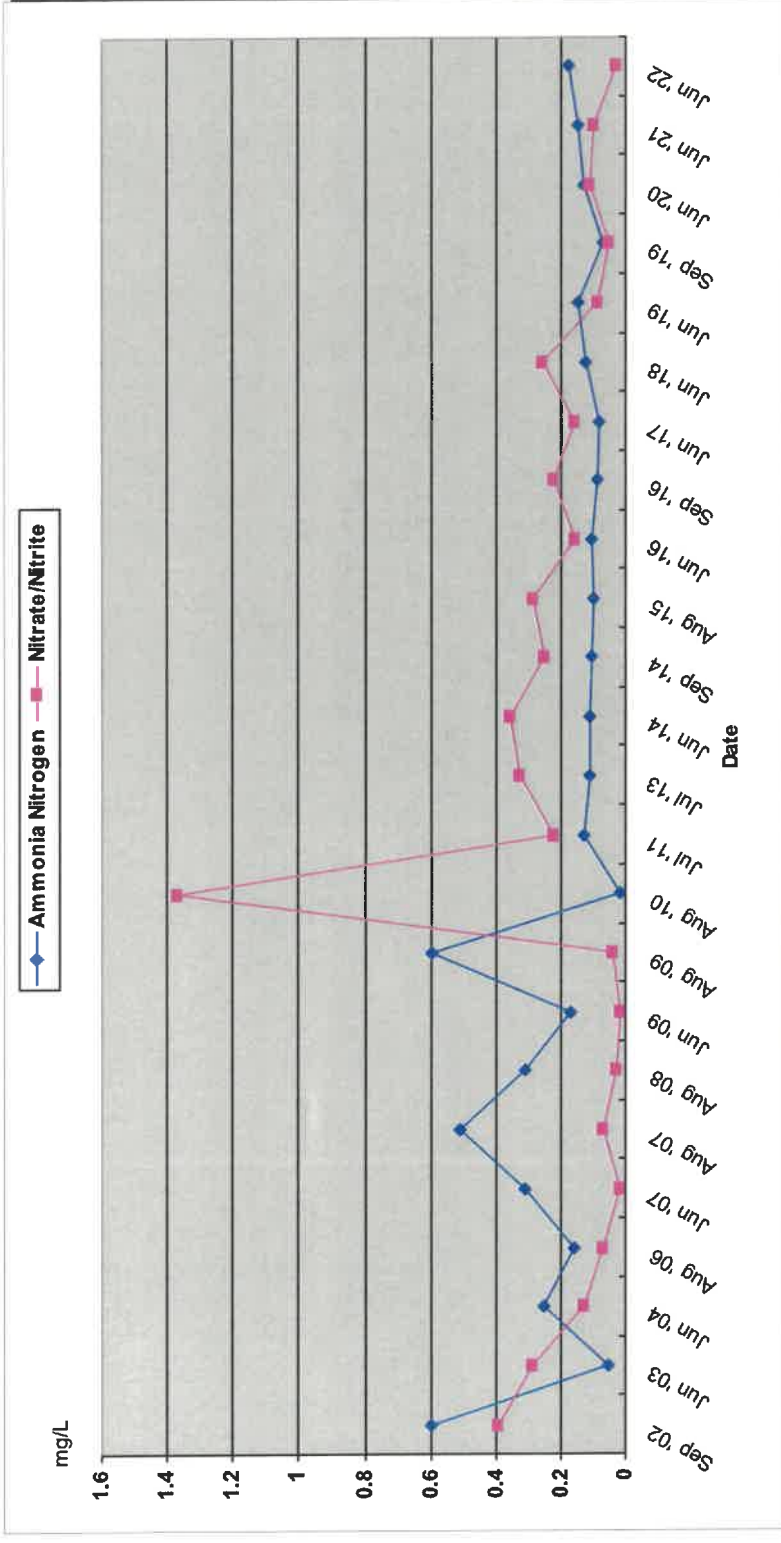
GROUND WATER LOCATION: EC-15



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

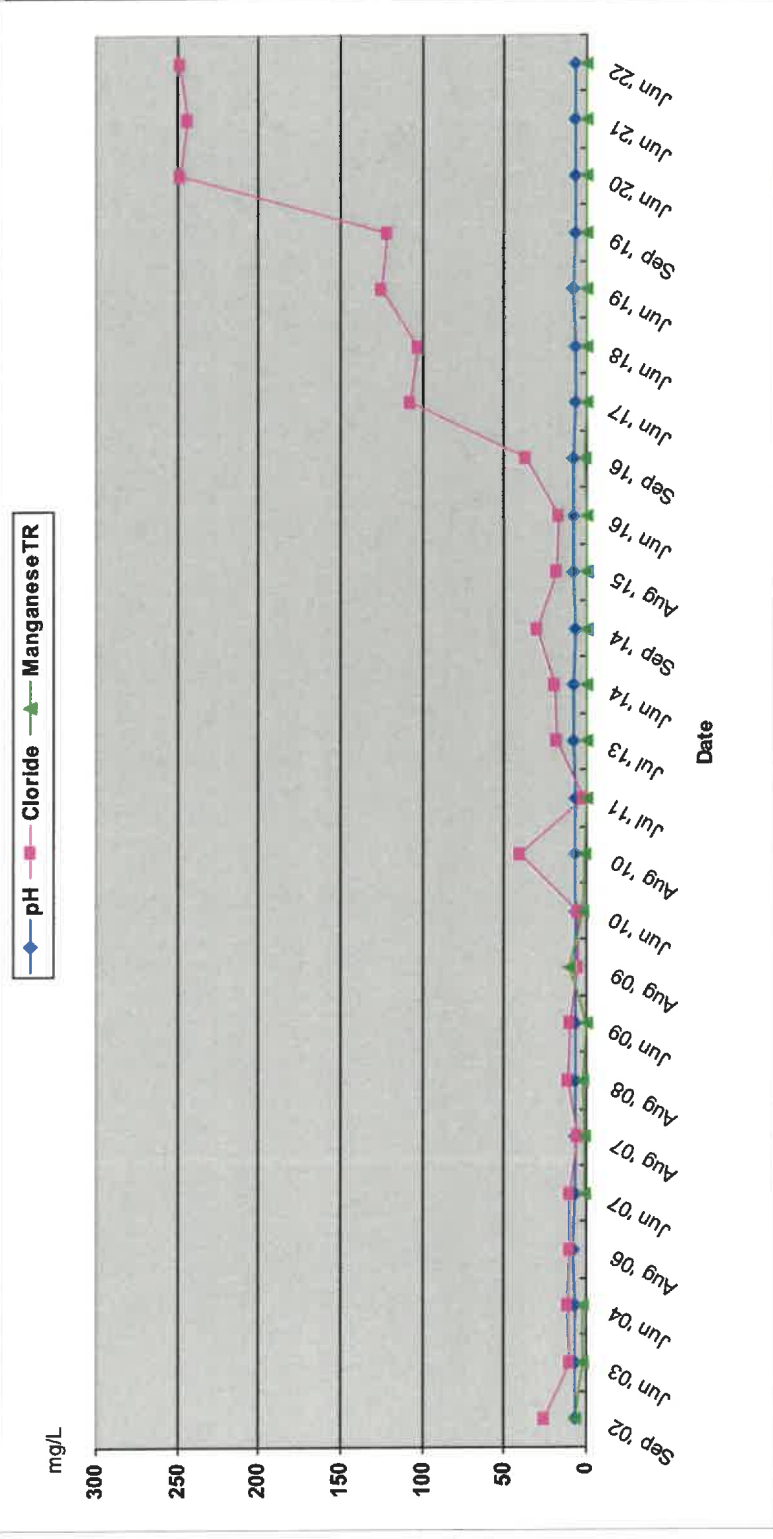
# MONITORING CHART FOF2022 AHR

GROUND WATER LOCATION: EC-15



# MONITORING CHART FOR 2022 AHR

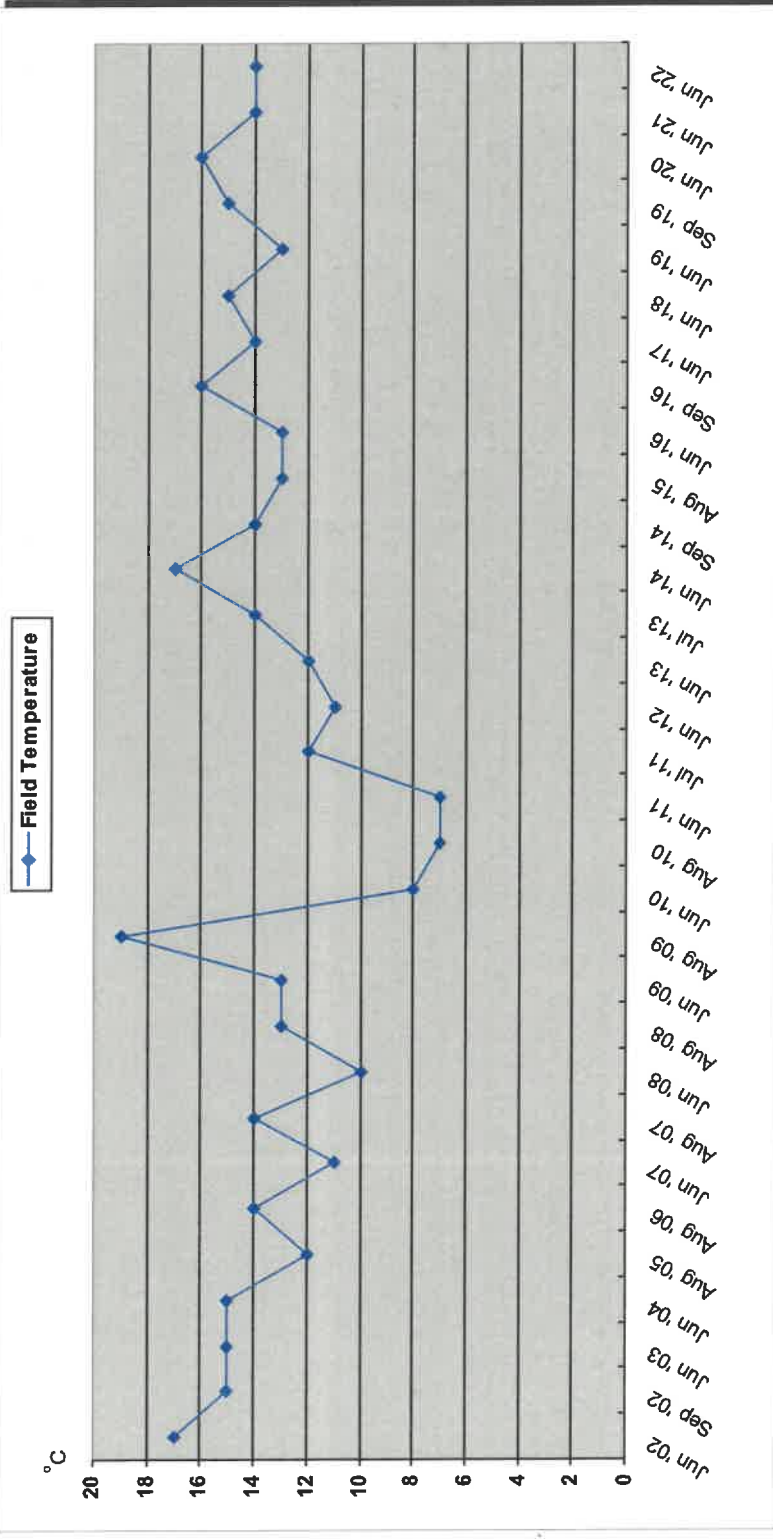
GROUND WATER LOCATION: EC-15



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: EC-15



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

SC-1 WELL  
ROLLINS SANDSTONE  
SANBORN CREEK MINE

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: SC-1

| Date      | Time  | DEPTH | Field pH | Field Cond | Temp | NH3   | HCO3    | CO3 | pH   | Cond  | Cl      | NO3/NO2 | SO4   | TDS   | TSS | PO4   | As    | Cd    | Ca     | Fe-Tr | Fe-Dis | Mnd   | Mntr  | Mg | Hg | Se | Na    | Zn    |  |
|-----------|-------|-------|----------|------------|------|-------|---------|-----|------|-------|---------|---------|-------|-------|-----|-------|-------|-------|--------|-------|--------|-------|-------|----|----|----|-------|-------|--|
| 9/19/2022 | 12:40 | 138.5 | 8.6      | 26000      | 19   | 0.916 | 3334    | 0   | 7.80 | 20383 | 4948    | 0.128   | 14.41 | 20600 |     | 0.36  | 0.003 | 0.01  | 3512   | 10.2  | 1.008  | 0.236 | 0.508 |    |    |    | 2412  | 0.196 |  |
| 6/27/2022 | 11:35 | 136   | 8.5      | 15400      | 20   | 0.917 | 4976    | 105 | 8.02 | 17590 | 4348    | 0.222   | 9.88  | 2307  |     | 0.28  | 0.004 | 0.01  | 2466   | 9.2   | 1.002  | 0.233 | 0.514 |    |    |    | 2307  | 0.191 |  |
| 9/27/2021 | 13:00 | 135   | 8.3      | 16200      | 20   | 2.88  | 1658    | 0   | 8.35 | 14690 | 4088.7  | 0.14    | 12.7  | 13664 |     | 0.22  | 0.002 | 0.01  | 3910   | 0.864 | 0.347  | 0.166 | 0.183 |    |    |    | 4105  | 0.11  |  |
| 6/21/2021 | 11:30 | 129   | 8.4      | 13900      | 19   | 0.98  | 2760    | 105 | 8.33 | 18820 | 5583.45 | 0.58    | 8.58  | 15231 |     | 0.261 | 0.003 | 0.01  | 2570   | 12.9  | 1.116  | 0.297 | 0.575 |    |    |    | 2089  | 0.246 |  |
| 9/19/2020 | 12:50 | 130   | 8.4      | 9700       | 21   | 1.99  | 2868    | 72  | 8.41 | 12880 | 5760.63 | 0.061   | 9.47  | 10154 |     | 0.266 | 0.005 | 0.01  | 2670   | 12.9  | 1.023  | 0.254 | 0.429 |    |    |    | 2155  | 0.287 |  |
| 6/16/2020 | 11:15 | 128   | 8.3      | 16500      | 18   | 1.15  | 2800    | 112 | 8.32 | 13380 | 5707.45 | 0.82    | 11.11 | 12534 |     | 0.306 | 0.005 | 0.01  | 2620   | 15.3  | 1.006  | 0.308 | 0.591 |    |    |    | 2104  | 0.264 |  |
| 9/23/2019 | 14:15 | 127   | 8.3      | 11100      | 18   | 0.834 | 2680    | 89  | 8.25 | 11860 | 3639    | 0.46    | 13.17 | 10694 |     | 0.176 | 0.004 | 0.01  | 2123   | 7.13  | 0.641  | 0.231 | 0.529 |    |    |    | 2360  | 0.194 |  |
| 6/24/2019 | 12:15 | 124   | 8.5      | 10500      | 14   | 0.924 | 2760    | 0   | 8.39 | 7218  | 1032    | 0.54    | 18.66 | 7085  |     | 0.218 | 0.004 | 0.01  | 1780   | 12.4  | 0.982  | 0.257 | 0.547 |    |    |    | 1167  | 0.207 |  |
| 9/17/2018 | 12:05 | 140   | 7.1      | 950        | 23   | 0.169 | 267.66  | 0   | 8.34 | 915   | 387     | 0.54    | 24.7  | 1204  |     | 0     | 0.002 | 0.01  | 174.1  | 1.85  | 0.058  | 0.094 | 0.276 |    |    |    | 233   | 0.066 |  |
| 6/18/2018 | 11:55 | 144   | 9.5      | 1090       | 19   | 0.278 | 248.66  | 0   | 8.20 | 658   | 138.2   | 0.34    | 23.87 | 741   |     | 0     | 0.003 | 0.01  | 38.3   | 2.28  | 0.066  | 0.116 | 0.329 |    |    |    | 175   | 0.075 |  |
| 9/13/2017 | 12:17 | 148   | 8.6      | 100        | 20   | 0.106 | 284.58  | 0   | 8.40 | 479   | 29.25   | 0.14    | 18.52 | 662   |     | 0     | 0.002 | 0.01  | 63.2   | 4.79  | 0.048  | 0.047 | 0.393 |    |    |    | 143   | 0.03  |  |
| 6/27/2017 | 10:30 | 148   | 9.2      | 12300      | 18   | 0.524 | 1742.44 |     | 8.06 | 8230  | 3431    | 0.33    | 15.23 | 8188  |     | 0.098 | 0.004 | 0.01  | 1572.2 | 7.13  | 0.642  | 0.323 | 0.598 |    |    |    | 1380  | 0.106 |  |
| 9/28/2016 | 11:00 | 156   | 8.7      | 1360       | 21   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 6/17/2016 | 9:30  | 154   | 8.7      | 1200       | 22   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 8/18/2015 | 9:00  | 157   |          |            |      |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 6/18/2015 | 9:00  | 157   | 8.1      | 1250       | 22   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 9/10/2014 | 9:00  | 157   |          |            |      |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 9/10/2014 | 12:00 | 157   |          |            |      |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 6/24/2014 | 9:00  | 153.5 | 7.8      | 780        | 17   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 7/18/2013 | 12:00 | 147   | 8.1      | 8000       | 16   | 0.712 | 455.71  | 0   | 8.13 | 11860 | 4217    | 0.3     | 33.82 | 11860 |     | 0.08  | 0.005 | 0.022 | 35.1   | 3.13  | 0.31   | 0.100 | 0.24  |    |    |    | 4035  | 0.08  |  |
| 6/18/2013 | 12:00 | 140   | 8.3      | 9600       | 11   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 8/2/2012  | 12:00 | 157   | 8.7      | 9800       | 16   | 0.56  | 280.06  | 0   | 8.11 | 896   | 68.02   | 0.36    | 17.01 | 817   |     | 0.08  | 0.005 | 0.05  | 34.2   | 1.88  | 0.26   | 0.140 | 0.42  |    |    |    | 382.5 | 0.61  |  |
| 6/19/2012 | 13:45 | 157   |          |            |      |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 7/26/2011 | 12:00 | 130   | 8.1      | 16000      | 17   | 0.657 | 449.28  | 0   | 8.12 | 12290 | 4325.25 | 0.31    | 21.81 | 10657 |     | 0.08  | 0.005 | 0.03  | 15.39  | 2.78  | 0.2    | 0.110 | 0.17  |    |    |    | 4174  | 0.09  |  |
| 6/23/2011 | 9:00  | 125.5 | 7.9      | 10800      | 15   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 8/5/2010  | 6:10  | 123.5 | 8.5      | 12100      | 12   | 7.425 | 3275.83 | 0   | 7.93 | 14830 | 3069.89 | 35.8    | 12.35 | 9202  |     | 0.452 | 1.308 | 0.02  | 16.87  | 1.65  | 0.12   | 0.100 | 0.15  |    |    |    | 3720  | 0.17  |  |
| 6/16/2010 | 10:00 | 117   | 8.3      | 11800      | 18   | 6.075 | 3178.8  | 0   | 7.95 | 16880 | 23.88   | 14.95   | 5.76  | 8840  |     | 0.44  | 0.548 | 0.011 | 18.07  | 2.95  | 0.12   | 0.025 | 0.192 |    |    |    | 4830  | 0.11  |  |
| 8/4/2009  | 12:00 | 113.3 | 7.6      | 11300      | 18   | 8     | 4100    | 1   | 8.07 | 16000 | 4300    | 0.98    | 6     | 11000 |     | 0.22  | 0.002 | 0.005 | 24     | 6     | 0.1    | 0.120 | 0.2   |    |    |    | 4100  | 0.12  |  |
| 6/17/2009 | 12:00 | 102.7 | 7.6      | 25000      | 11   | 8.4   | 4100    | 1   | 8.12 | 20000 | 4500    | 0.74    | 5     | 11000 |     | 0.2   | 0.005 | 0.005 | 23     | 7.3   | 0.12   | 0.096 | 0.186 |    |    |    | 4100  | 0.032 |  |
| 8/1/2008  | 12:00 | 96    | 7.9      | 12500      | 15   | 8.3   | 3900    | 1   | 7.98 | 17000 | 3700    | 0.02    | 5     | 11000 |     | 0.25  | 0.01  | 0.005 | 19     | 2.6   | 0.09   | 0.075 | 0.103 |    |    |    | 4200  | 0.032 |  |
| 6/18/2008 | 9:30  | 90    | 8.3      | 13600      | 14   |       |         |     |      |       |         |         |       |       |     |       |       |       |        |       |        |       |       |    |    |    |       |       |  |
| 8/2/2007  | 12:00 | 90    | 8.3      | 7200       | 16   | 0.27  | 4000    | 1   | 8.05 | 18000 | 4400    | 6.2     | 5     | 11000 |     | 0.36  | 0.002 | 0.005 | 15     | 1.8   | 0.02   | 0.005 | 0.075 |    |    |    | 4100  | 0.015 |  |
| 6/19/2007 | 12:00 | 93    | 8.21     | 10500      | 16.3 | 8.6   | 3900    | 29  | 8.39 | 17000 | 4700    | 1       | 26    | 11000 |     | 0.5   | 0.002 | 0.005 | 13     | 1.7   | 0.05   | 0.050 | 0.071 |    |    |    | 4500  | 0.008 |  |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: SC-1

| Date       | Time  | DEPTH | Field pH | Field Cond | Tem  | NH3 | HCO3 | CO3 | pH   | Cond  | Cl   | NO3/NO2 | SO4 | TDS   | TSS   | PO4    | As     | Cd   | Ca   | Fe-Tr | Fe-Dls | Mnd   | Mntr    | Mg      | Hg     | Se   | Na    | Zn    |
|------------|-------|-------|----------|------------|------|-----|------|-----|------|-------|------|---------|-----|-------|-------|--------|--------|------|------|-------|--------|-------|---------|---------|--------|------|-------|-------|
| 8/10/2006  | 12:00 | 95    | 8.47     | 13100      | 15   | 9.8 | 4000 | 1   | 7.96 | 18000 | 4500 | 0.03    | 5   | 11000 | 0.47  | 0.002  | 0.005  | 16   | 1.9  | 0.07  | 0.064  | 16    |         |         |        |      | 3800  | 0.038 |
| 6/9/2006   | 12:00 | 94    | 8.29     | 12700      | 16   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 10/17/2005 | 10:40 | 93    | 8.1      | 12600      | 15.9 | 10  | 3500 | 1   | 7.99 | 18000 | 8200 | 7.1     | 5   | 11000 | 0.56  | 0.002  | 0.005  | 17   | 1.1  | 0.05  | 0.028  | 0.069 |         |         |        |      | 4600  | 0.027 |
| 8/5/2005   | 9:00  | 87.5  | 7.52     | 15000      | 16   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 8/23/2004  | 10:20 | 93    | 7.85     | 14500      | 14   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 6/22/2004  | 12:00 | 91.8  | 7.85     | 12000      | 15   | 3.2 | 3800 | 1   | 7.87 | 18000 | 6400 | 0.07    | 5   | 11000 | 0.01  | 0.002  | 0.005  | 16   | 4.6  | 0.04  | 0.047  | 0.086 |         |         |        |      | 5000  | 0.04  |
| 8/28/2003  | 8:50  | 98.4  | 7.94     | 20000      | 14   | 3.5 | 3900 | 5   | 7.84 | 23000 | 4300 | 6.2     | 5   | 11000 | 0.01  | 0.002  | 0.005  | 19   | 6.1  | 0.02  | 0.005  | 0.102 |         |         |        |      | 4300  | 0.02  |
| 6/17/2003  | 8:30  | 89.2  | 8.4      | 15000      | 15   | 3.3 | 3900 | 1   | 7.83 | 20000 | 4300 | 0.1     | 5   | 10000 | 0.01  | 0.002  | 0.005  | 22   | 5.5  | 0.05  | 0.041  | 0.081 |         |         |        |      | 4200  | 0.049 |
| 9/23/2002  | 12:00 | 90    | 7.7      | 15000      | 13   | 4.3 | 3900 | 1   | 7.94 | 16000 | 4300 | 0.21    | 5   | 11000 | 0.01  | 0.002  | 0.005  | 20   | 12   | 0.01  | 0.005  | 0.143 |         |         |        |      | 4300  | 0.005 |
| 9/28/2001  | 13:10 | 88.2  | 7.3      | 12900      | 11   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 3/30/2001  | 13:00 | 90    | 7.4      | 13000      | 10   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 9/28/2000  | 14:31 | 89.9  | 7.9      | 16000      | 0    |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 3/25/2000  | 14:00 | 90.1  | 7.8      | 15500      | 0    |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 9/22/1999  | 8:54  | 90.5  | 7.9      | 15500      | 12   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 3/29/1999  | 9:51  | 90.1  | 8.6      | 11500      | 10   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 12/30/1998 |       | 88.3  | 7.8      | 16000      | 15   |     |      |     |      | 16320 |      |         |     | 10170 |       |        |        |      |      | 9.37  | 0.005  |       |         |         |        |      |       |       |
| 9/30/1998  |       | 89    | 7.1      | 16000      | 16   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 6/29/1998  |       | 89.2  | 7        | 15900      | 16   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 3/25/1998  |       | 90.1  | 8        | 15000      | 15   |     |      |     |      | 14420 |      |         |     | 11373 |       |        |        |      |      | 9.59  | 0.014  |       |         |         |        |      |       |       |
| 9/9/1997   |       | 88.8  | 8        | 16100      | 17   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 6/24/1997  |       |       |          |            |      | 2.6 | 3850 | 1   | 7.93 | 16100 | 5400 | 1.9     | 7   | 10630 | 0.1   | 0.005  | 0.005  | 17.9 | 15.5 | 0.06  | 0.028  | 0.119 | 11.9    | -0.0002 | 0.003  | 3900 |       |       |
| 6/24/1997  |       | 88.4  | 7.9      | 16200      | 18   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 3/20/1997  |       | 89.1  | 8.2      | 15300      | 15   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 12/17/1996 |       | 89.9  | 7.9      | 15100      | 11   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 12/17/1996 |       |       |          |            |      | 2.9 | 3820 | -1  | 7.44 | 16230 | 6680 | 0.03    | 14  | 10350 | 0.05  | -0.002 | -0.005 | 18.4 | 2.81 | 0.061 | 0.014  | 10.8  | -0.0002 | 0.002   | 4040   |      |       |       |
| 9/19/1996  |       | 90.5  | 7.8      | 16100      | 15   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 6/10/1996  |       |       |          |            |      | 3.7 | 3950 | -1  | 7.85 | 15810 | 4050 | 0.04    | 1   | 10800 | 0.08  | 0.018  | -0.005 | 17.9 | 1.59 | 0.03  | 0.048  | 0.059 | 12.5    | 0.0003  | 0.037  | 4200 |       |       |
| 6/10/1996  |       | 90.2  | 8.1      | 15600      | 17   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 3/19/1996  | 7:32  | 90.1  | 8        | 14500      | 10   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 12/5/1995  | 7:44  | 90.3  | 7.6      | 13700      | 13   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 12/5/1995  | 7:44  |       |          |            |      | 3.1 | 3460 | 132 | 8.58 | 16000 | 4310 | 0.11    |     | 10300 | -0.01 | -0.005 | -0.005 | 20.2 | 3.44 | 0.03  | 0.059  | 0.11  | 12.8    | -0.0002 | -0.005 | 4000 | 0.085 |       |
| 9/6/1995   | 11:27 | 90.5  | 7.8      | 16100      | 15   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |
| 6/8/1995   | 8:56  | 92.8  | 7.8      | 14200      | 14   |     |      |     |      |       |      |         |     |       |       |        |        |      |      |       |        |       |         |         |        |      |       |       |

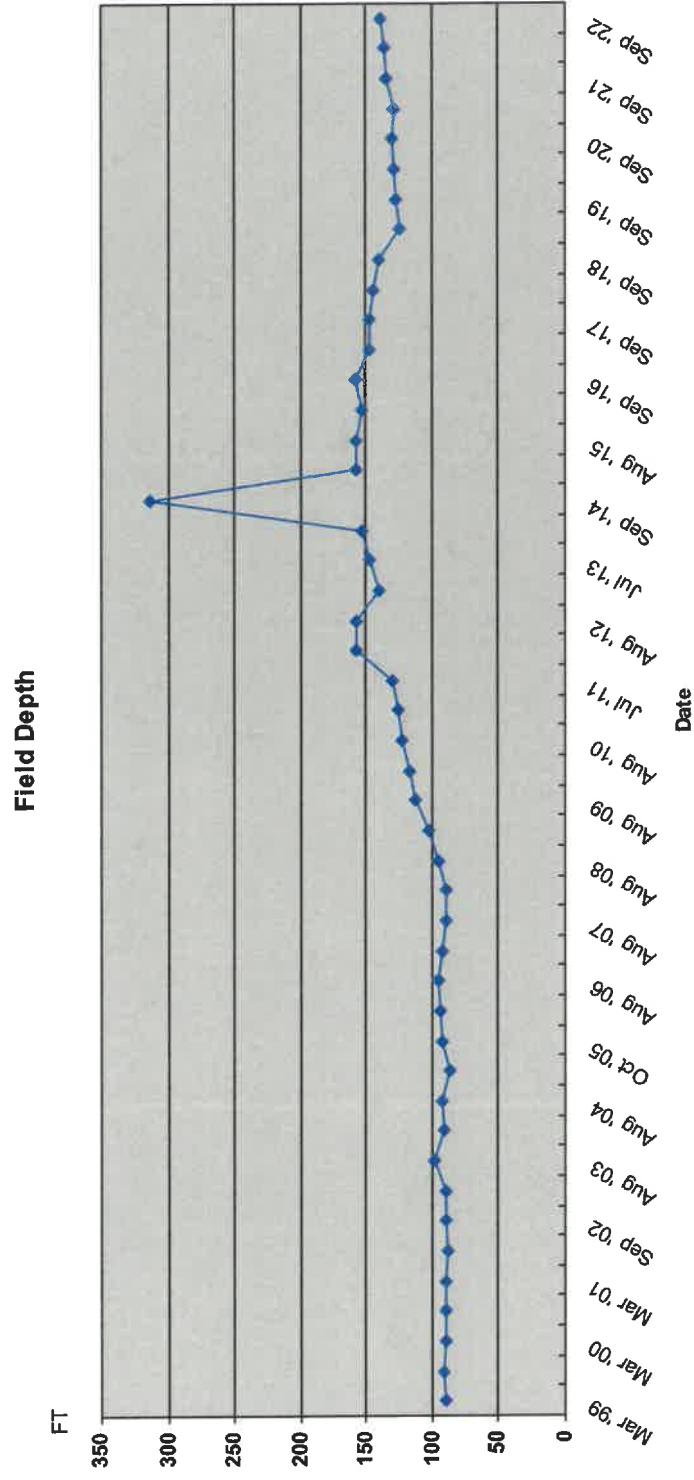
# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: SC-1

| Date       | Time  | DEPTH | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3  | pH   | Cond  | Cl   | NO3/NO2 | SO4   | TDS | TSS    | PO4    | As     | Cd     | Ca   | Fe-Tr | Fe-Dls | Mnd   | Mntr | Mg      | Hg      | Se     | Na    | Zn     |
|------------|-------|-------|----------|------------|-----|------|------|------|------|-------|------|---------|-------|-----|--------|--------|--------|--------|------|-------|--------|-------|------|---------|---------|--------|-------|--------|
| 6/8/1995   | 8:56  |       |          |            |     | 2.8  | 3690 | -1   | 7.95 | 15850 | 4290 | 0.07    | 10500 |     |        | -0.01  | -0.01  | -0.005 | 20.7 | 1.61  | 0.04   | 0.080 | 0.09 | 14.6    | -0.0002 | -0.01  | 4950  | -0.005 |
| 3/8/1995   | 12:44 | 89.5  | 7.6      | 14900      | 15  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 12/7/1994  | 9:33  |       |          |            |     | 2.3  | 3300 | -0.5 | 7.86 | 13900 | 3350 | 0.06    | 8680  |     |        | -0.01  | 0.091  | 0.005  | 23   | 10.2  | 0.05   | 0.150 | 0.15 | 11.4    | -0.0002 | 0.143  | 3600  | 0.12   |
| 12/7/1994  | 9:33  | 94.67 | 7.6      | 12800      | 12  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 9/16/1994  | 10:37 | 90    | 8.1      | 12500      | 15  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 6/29/1994  | 10:03 |       |          |            |     | 2.7  | 3290 | -1   | 8.00 | 12920 | 4300 | -0.02   | 8060  |     |        | 0.04   | -0.002 | -0.005 | 29   | 5.8   | -0.02  | 0.280 | 0.26 | 12      | -0.0002 | -0.002 | 3300  | 0.285  |
| 6/29/1994  | 10:03 | 89.5  | 8.2      | 12300      | 16  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 4/28/1994  | 13:15 | 78    | 8.3      | 11000      | 12  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 3/31/1994  | 8:50  | 78    | 8.2      | 12100      | 12  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 3/31/1994  | 8:50  |       |          |            |     | 2.15 | 2350 | 100  | 8.30 | 13430 | 3280 |         | 8136  | 34  | 0.019  | 0.002  | -0.02  | 25     | 2    | 0.1   | 10.000 |       | 20   | -0.0002 | -0.001  | 3035   | 0.39  |        |
| 12/22/1993 | 10:00 |       | 9.2      | 1300       | 13  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 11/10/1993 | 8:44  |       | 9.1      | 13300      | 13  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 11/10/1993 | 8:44  |       |          |            |     |      |      |      | 8.20 |       |      |         | 7960  | 16  |        |        |        |        |      | 0.88  |        |       |      |         |         |        |       |        |
| 8/30/1993  | 13:15 | 90    | 8.6      | 10700      | 15  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 8/30/1993  | 13:15 |       |          |            |     | 3.18 | 2678 | 76   | 8.10 | 13400 | 3431 | 0.02    | 8080  | 16  | 0.007  | -0.001 | -0.01  | 26     | 0.85 | 0.04  | 0.220  |       | 12   | -0.0002 | -0.001  | 3080   | 0.55  |        |
| 7/1/1993   | 13:55 |       |          |            |     | 2.26 | 1840 | 0    | 8.00 | 13300 | 3525 | 0.07    | 7600  | 116 | -0.005 | 0.002  | -0.01  | 25     | 3.83 | -0.04 | 0.200  |       | 12   | -0.0002 | -0.001  | 2960   | 0.27  |        |
| 7/1/1993   | 13:55 | 90    | 8.4      | 8900       | 16  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 4/30/1993  | 11:45 | 89.25 | 8        | 9000       | 17  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |
| 3/30/1993  | 9:00  |       |          |            |     | 2.29 | 1452 | 88   | 8.60 | 11700 | 3520 | -0.02   | 7714  | 40  | 0.013  | 0.002  | -0.025 | 26     | 0.29 | 0.29  | 0.200  |       | 12   | 0.0001  | -0.005  | 3180   | -0.05 |        |
| 3/30/1993  | 9:00  | 88.4  | 8.1      | 9000       | 13  |      |      |      |      |       |      |         |       |     |        |        |        |        |      |       |        |       |      |         |         |        |       |        |

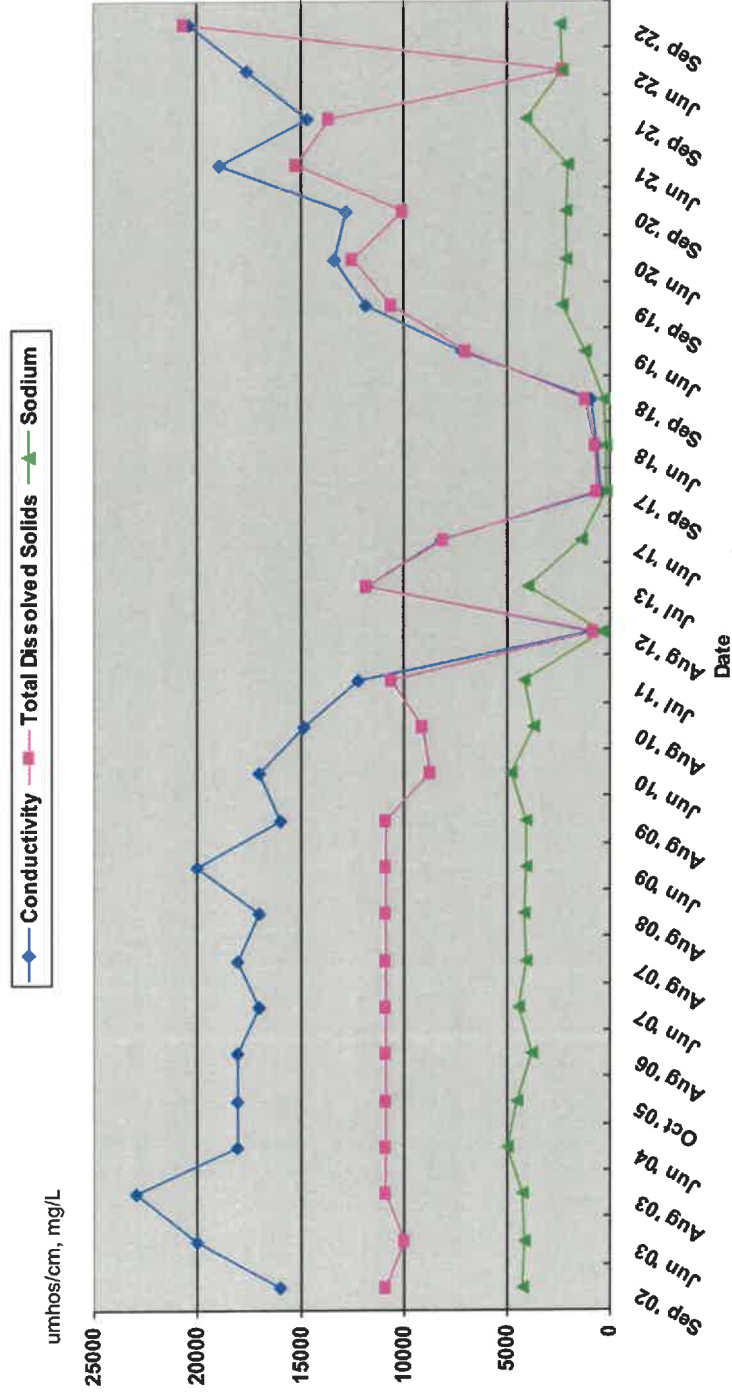
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



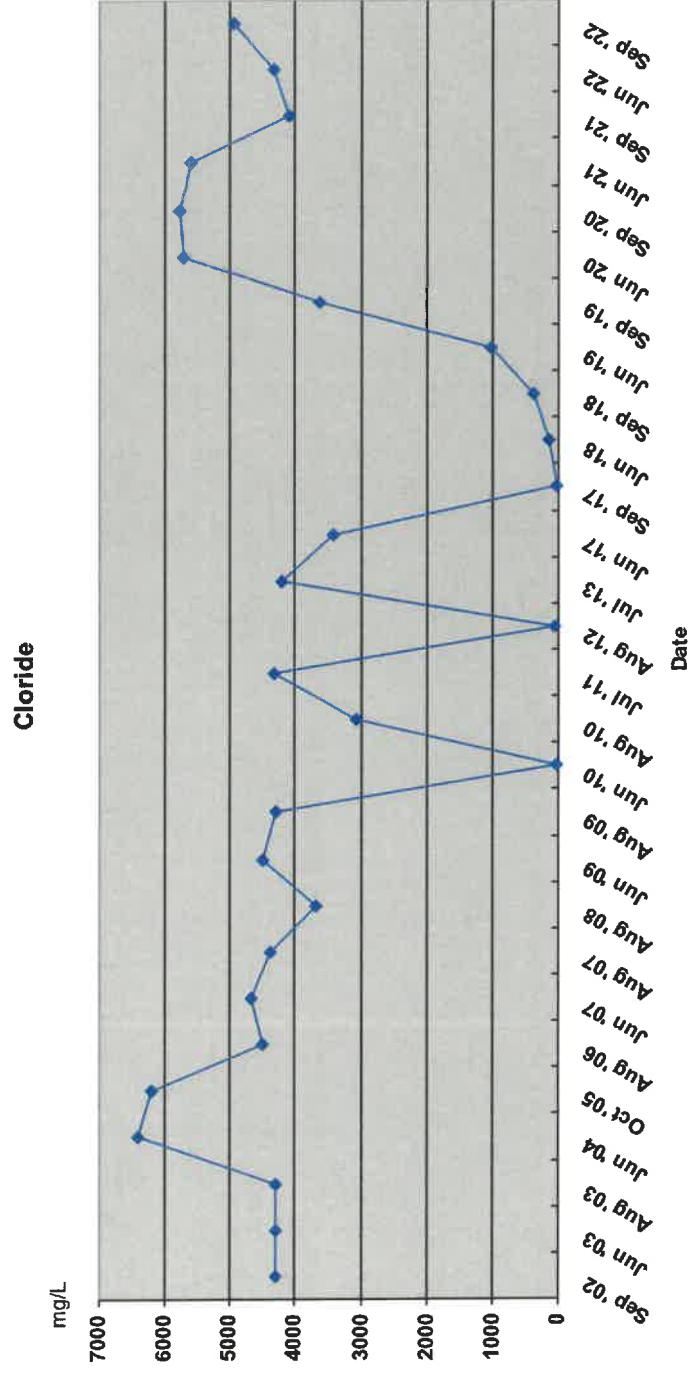
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



# MONITORING CHART FOR 2022 AHR

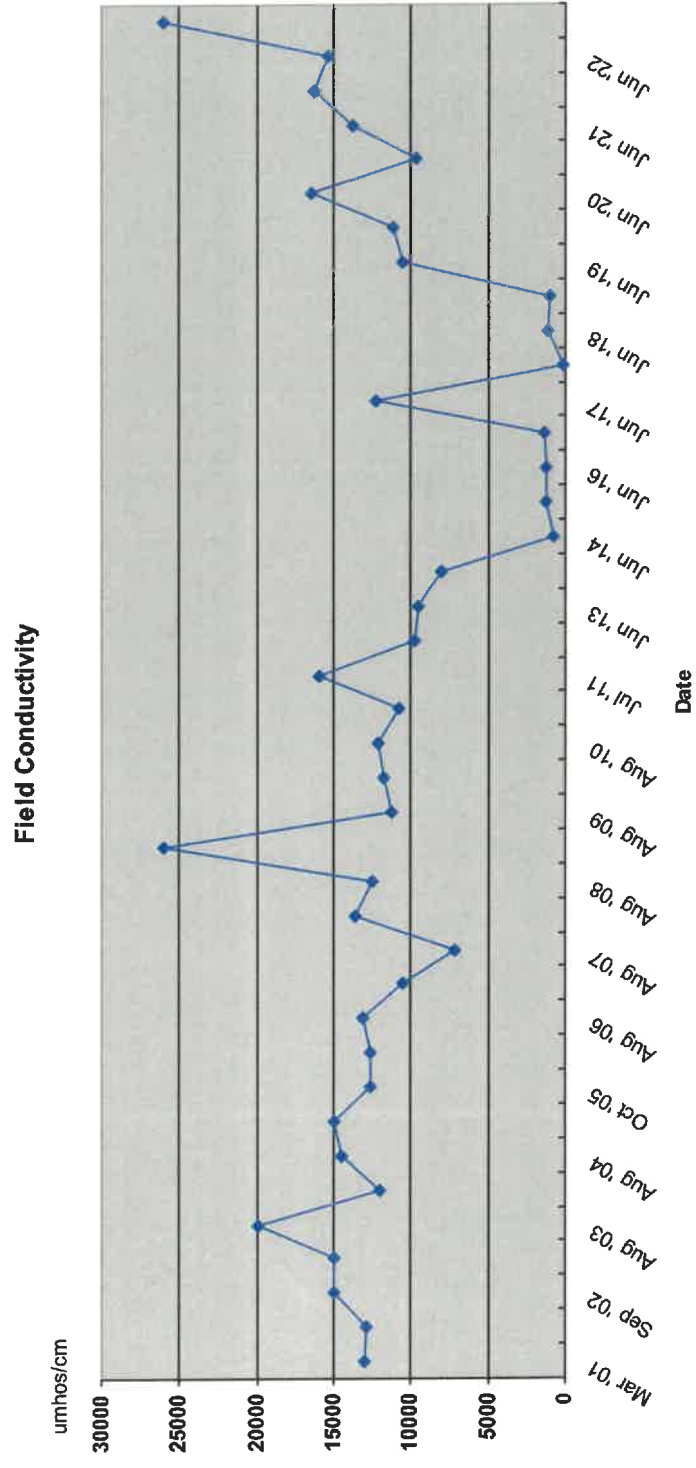
GROUND WATER LOCATION: SC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

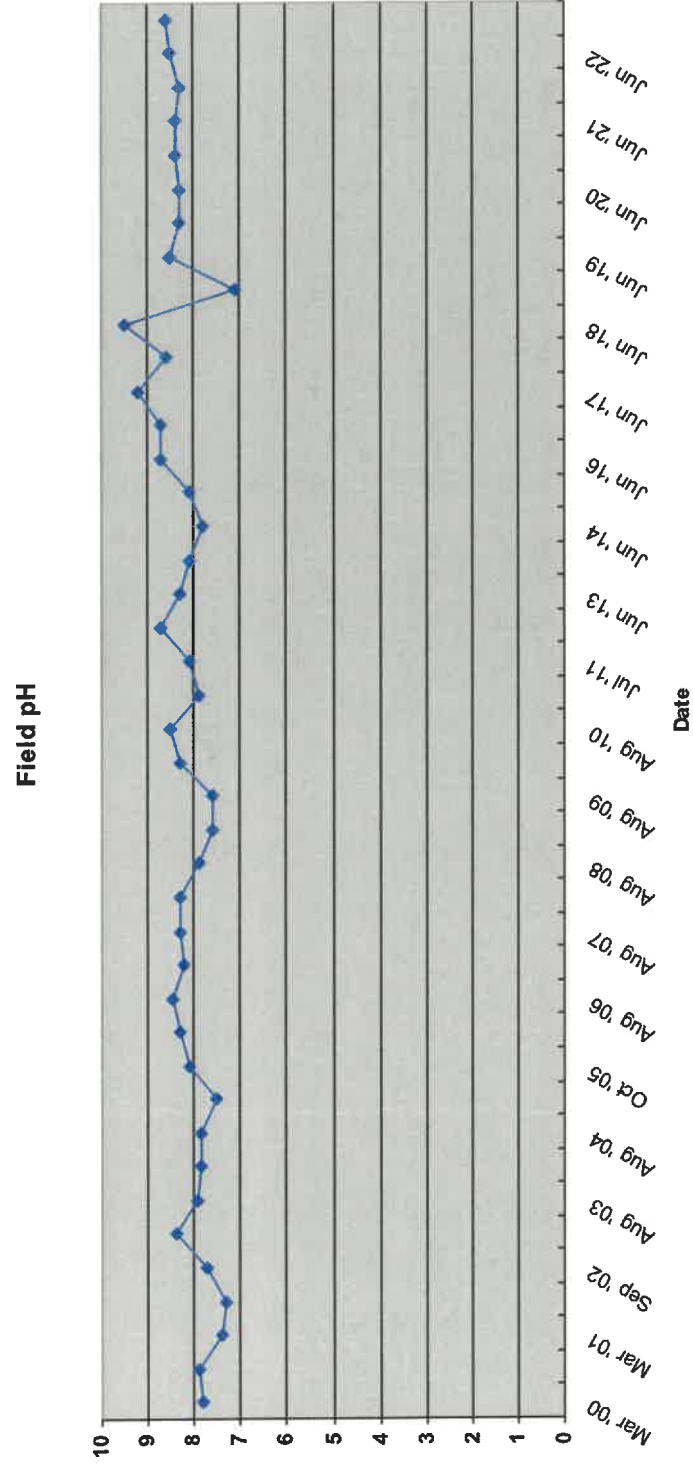
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



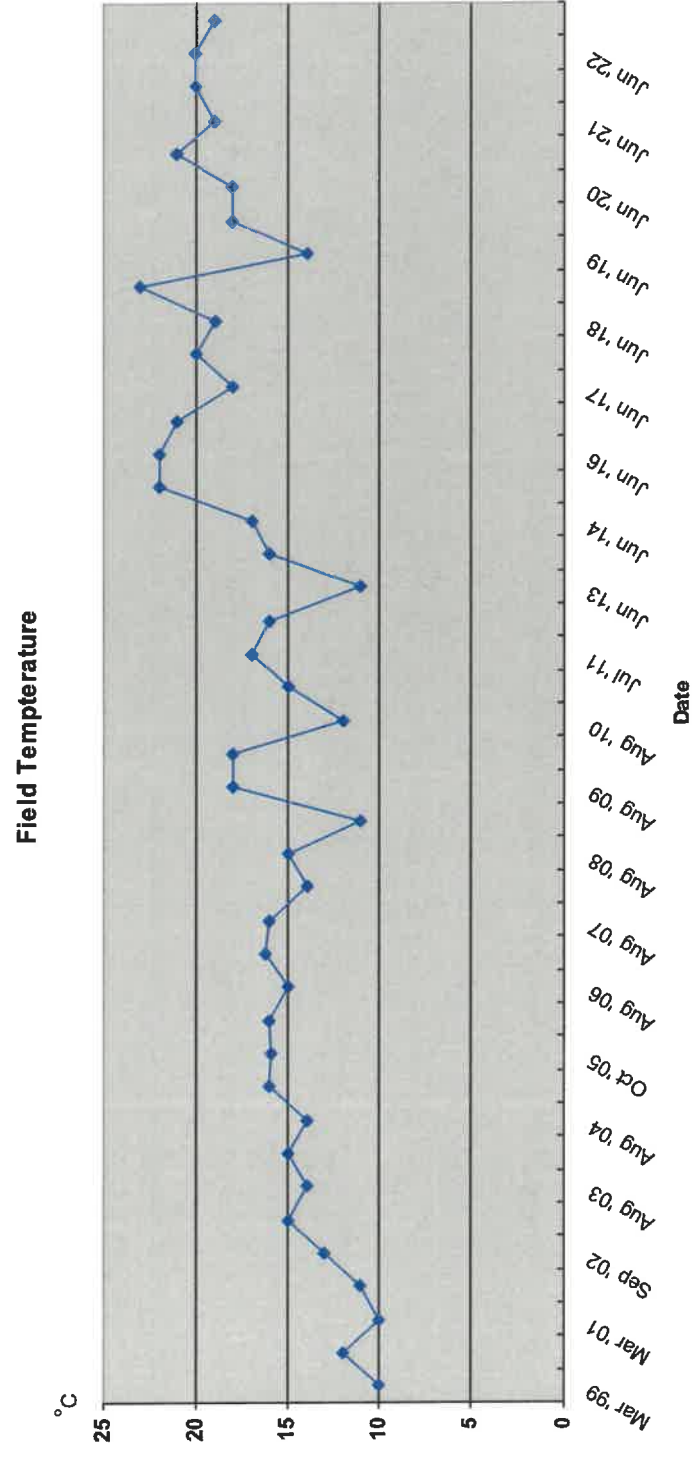
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



# MONITORING CHART FOR 2022 AHR

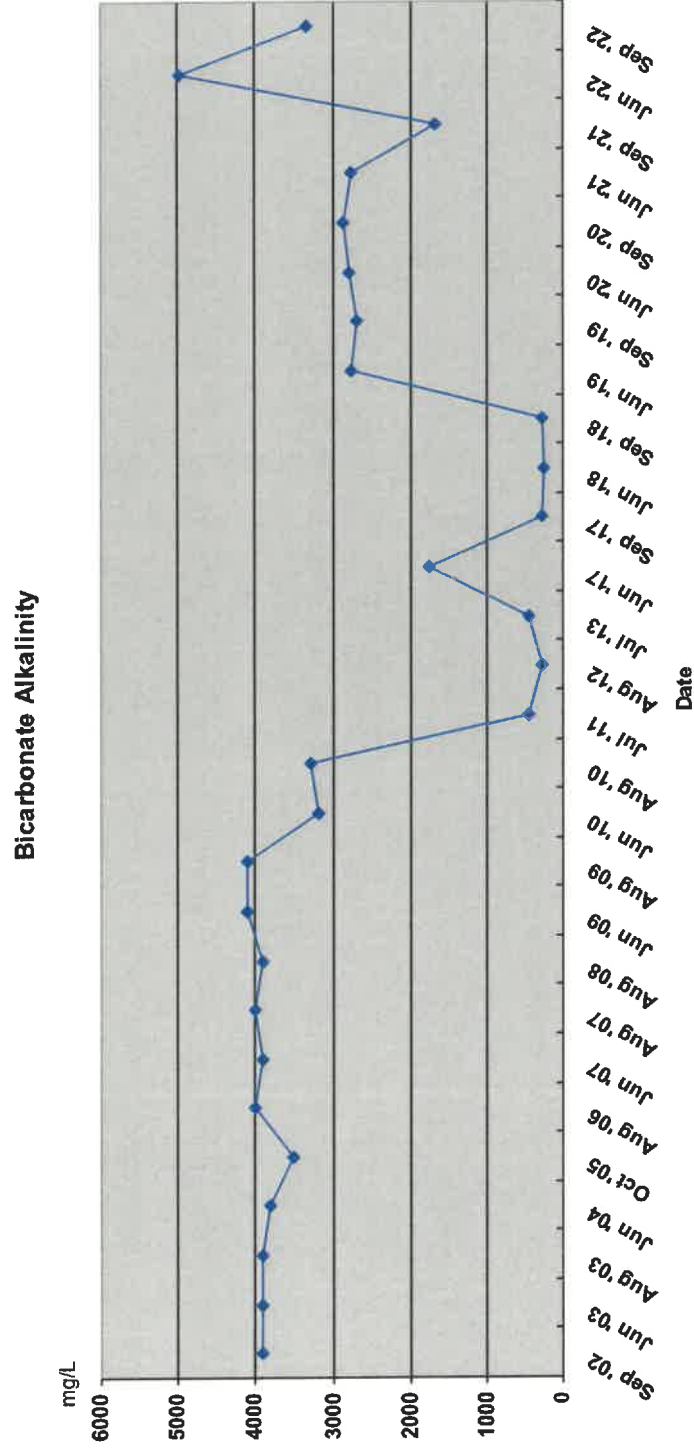
GROUND WATER LOCATION: SC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

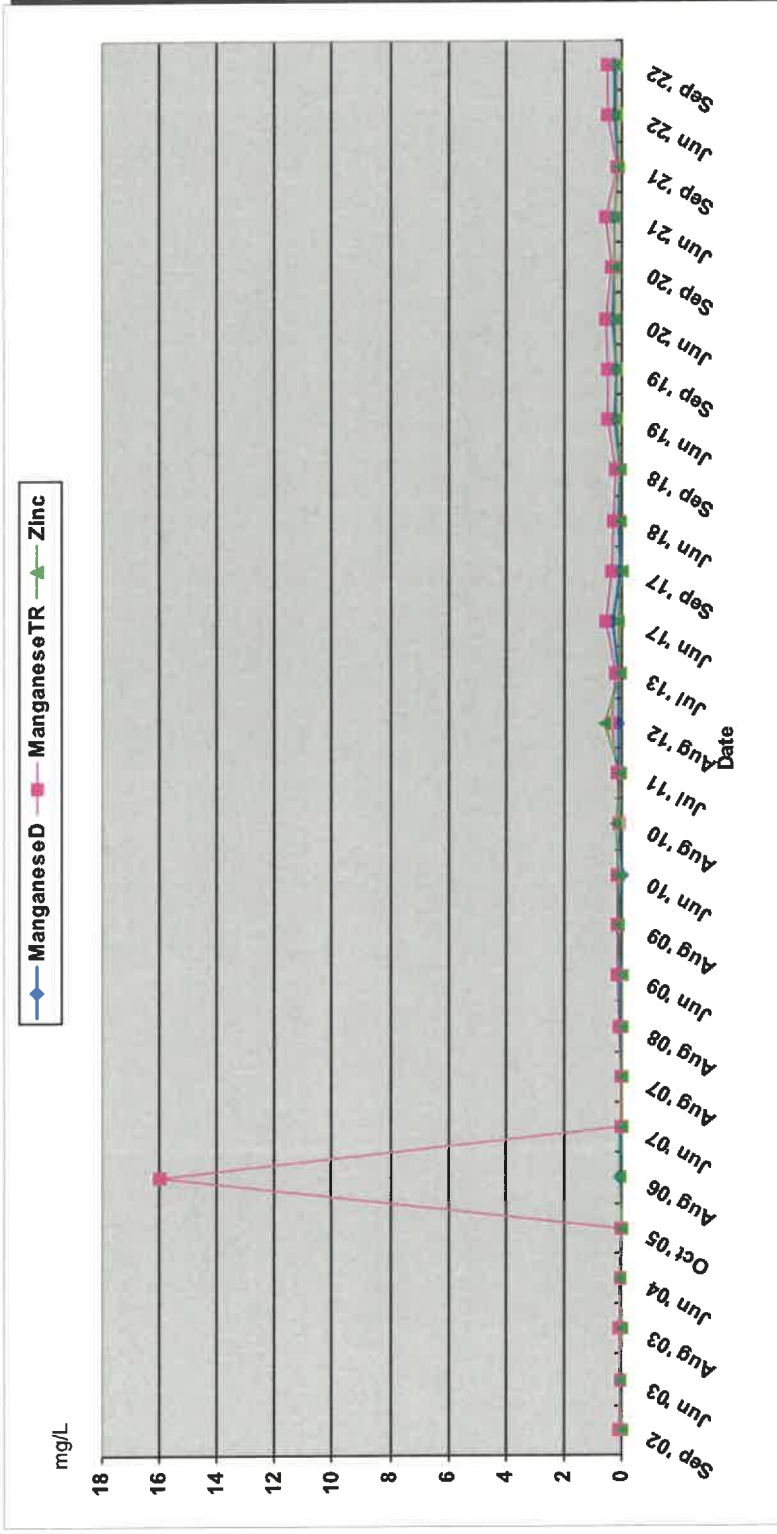
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



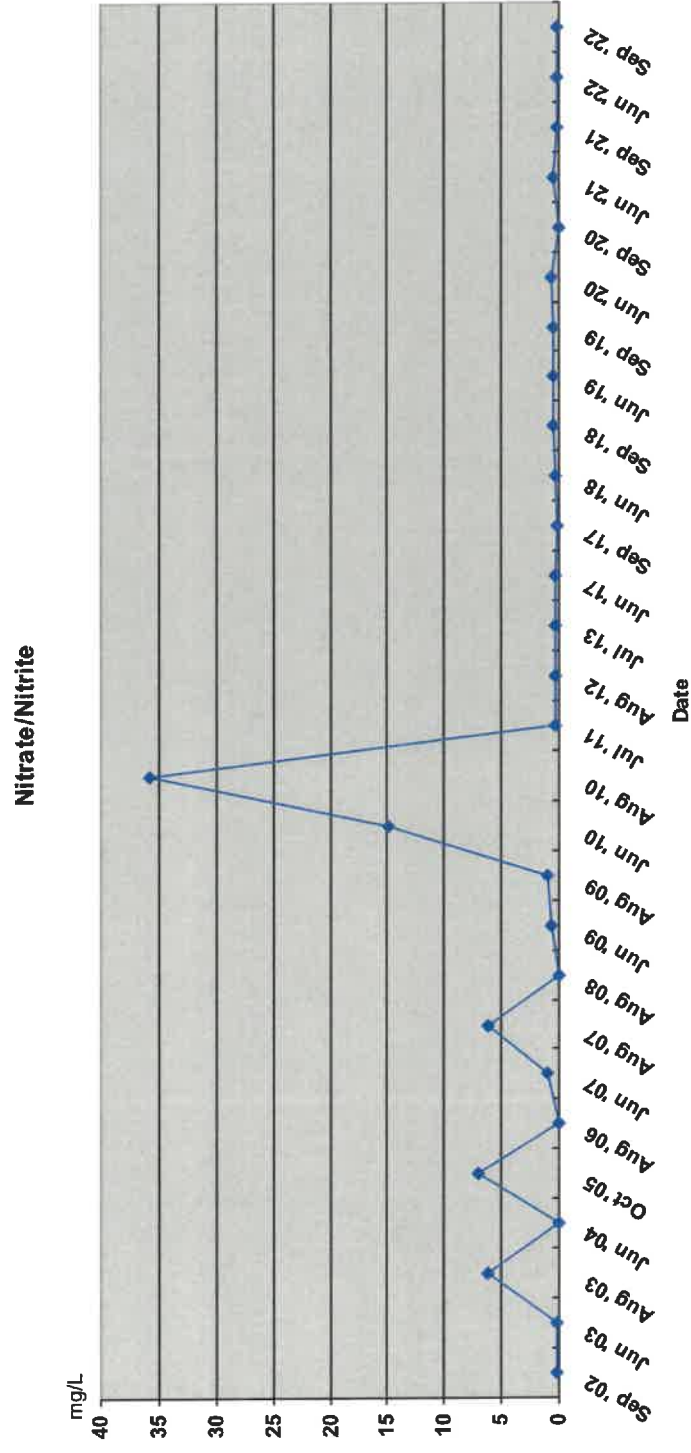
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



# MONITORING CHART FOR 2022 AHR

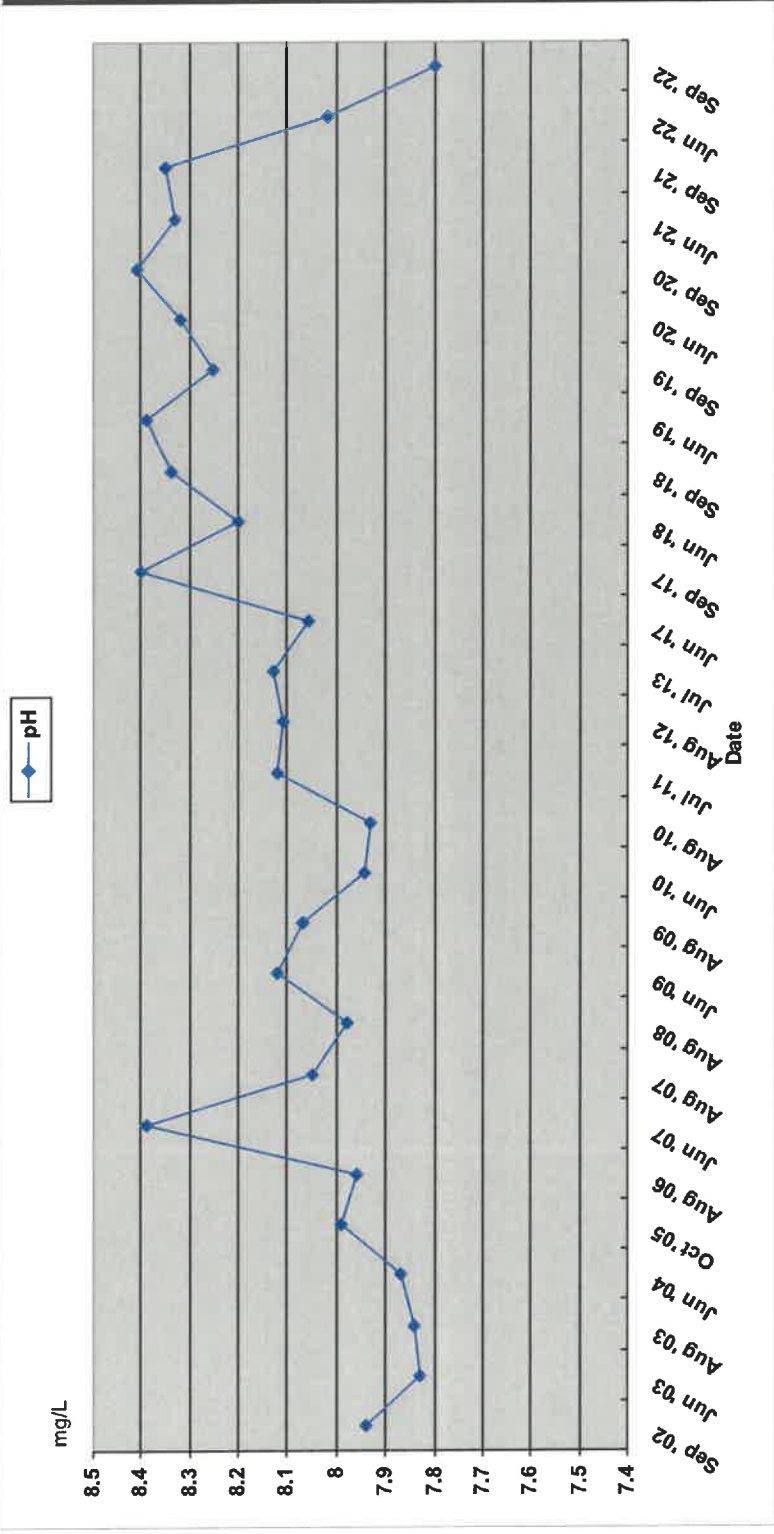
GROUND WATER LOCATION: SC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

# MONITORING CHART FOR 2022 AHR

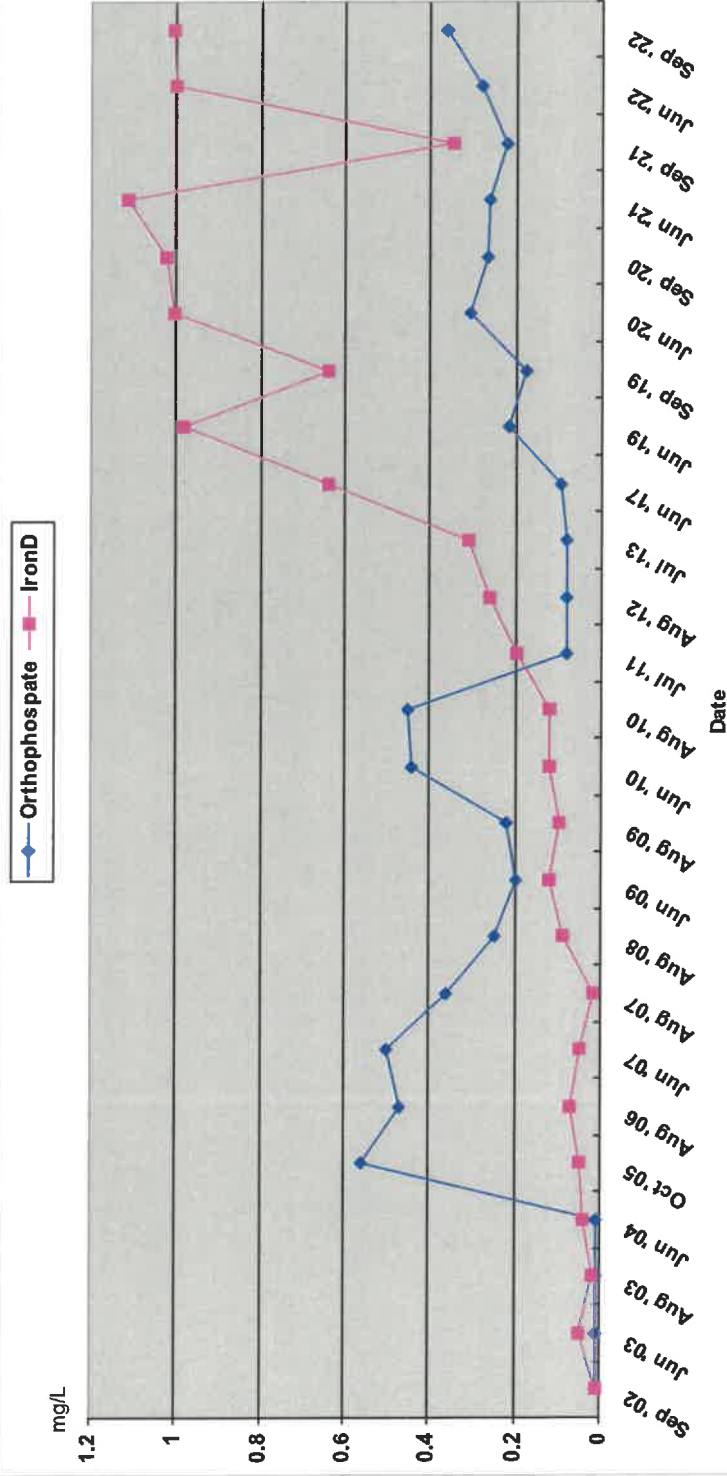
GROUND WATER LOCATION: SC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

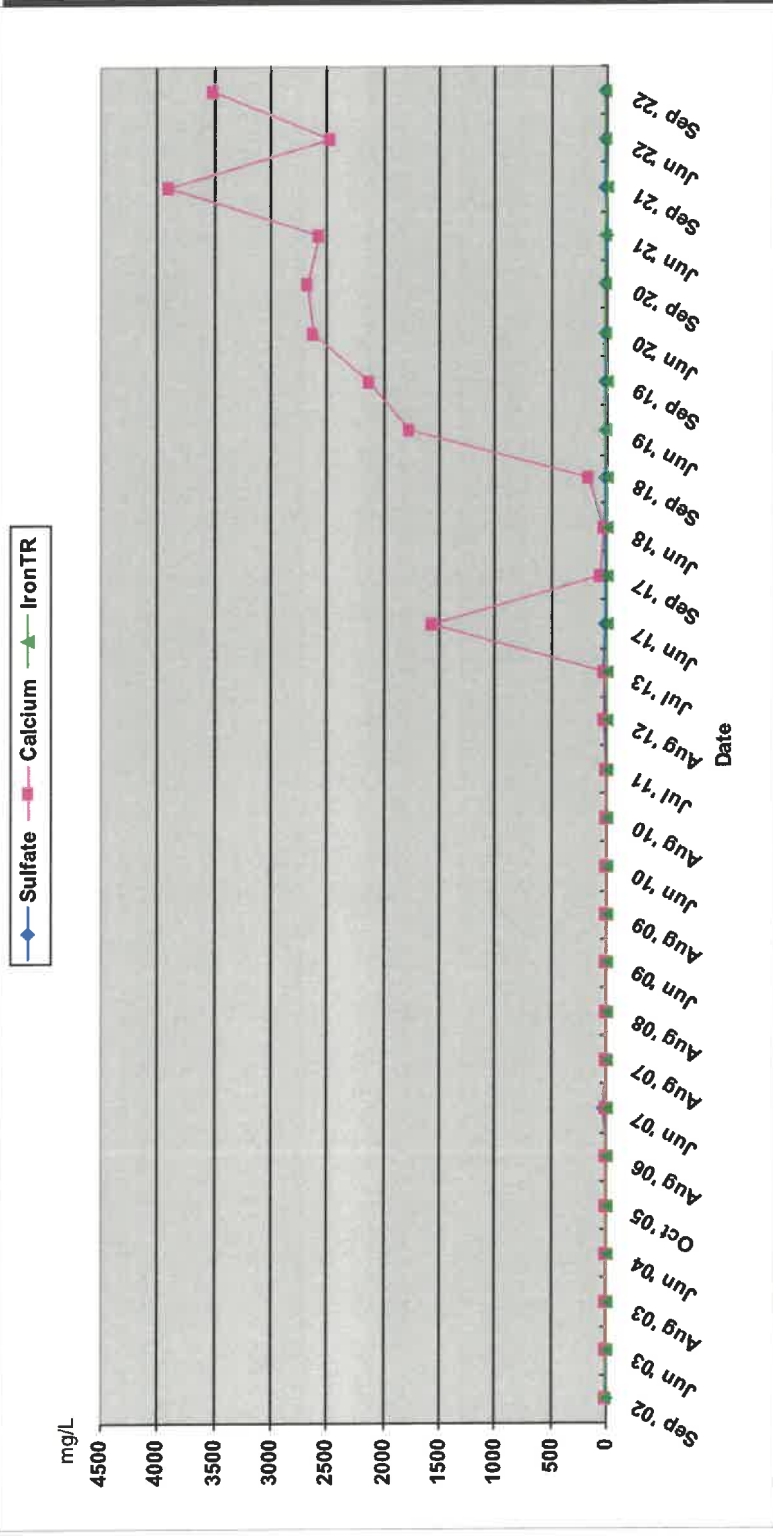
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1

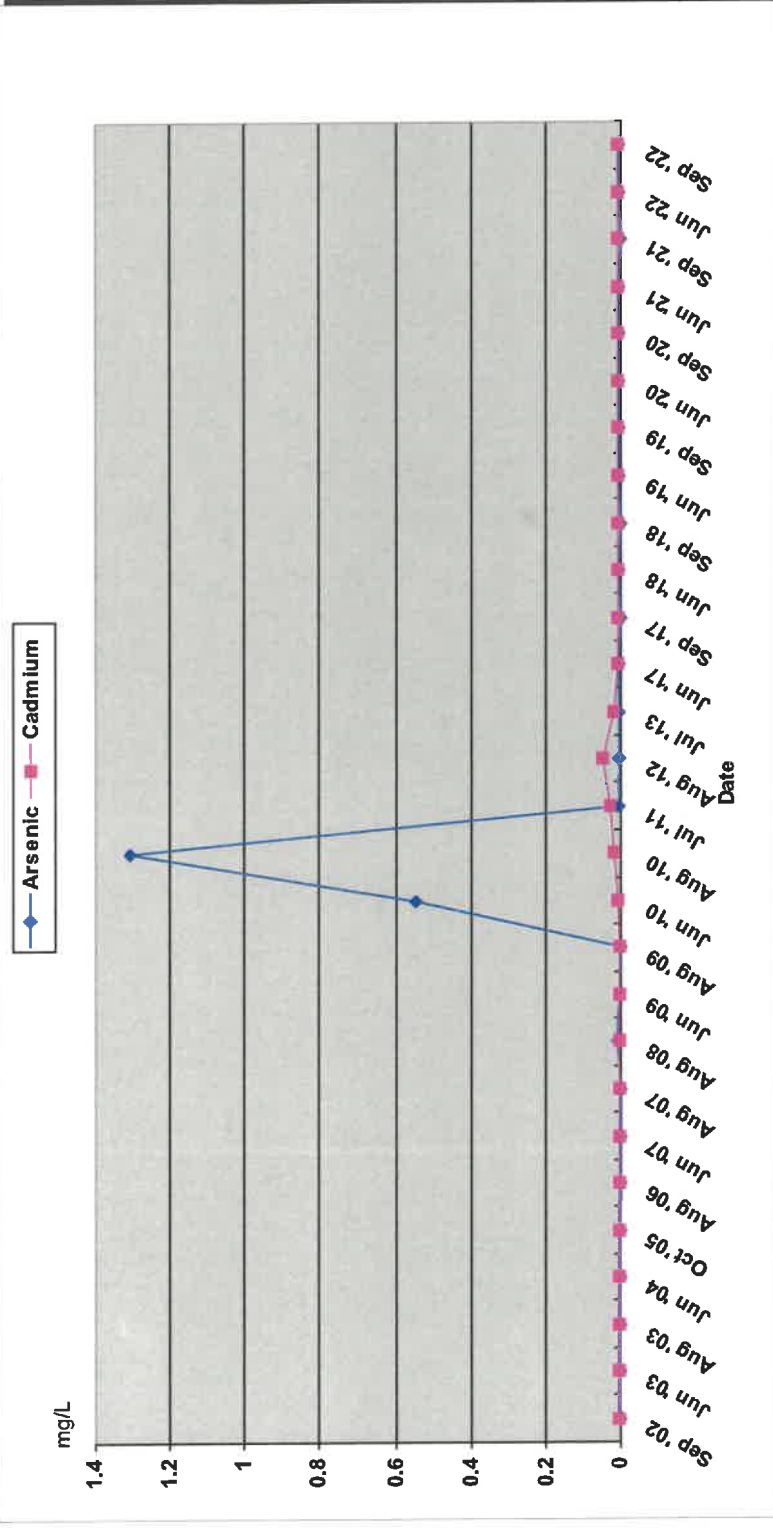


Oxbow Mining, LLC., Elk Creek Mine

Date : 15-Feb-23

# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-1



Oxbow Mining, LLC., Elk Creek Mine  
Date : 14-Feb-23

**SC-3 WELL**  
**B SEAM COAL**  
**SANBORN CREEK MINE**

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: SC-3

| Date      | Time  | DEPTH  | Field pH | Field Cond | Temp | NH3   | HCO3   | CO3 | pH   | Cond | Cl     | NO3/NO2 | SO4    | TDS  | TSS | PO4   | As    | Cd    | Ca   | Fe-Tr | Fe-Dis | Mnd   | Mntr  | Mg | Hg | Se | Na    | Zn    |  |
|-----------|-------|--------|----------|------------|------|-------|--------|-----|------|------|--------|---------|--------|------|-----|-------|-------|-------|------|-------|--------|-------|-------|----|----|----|-------|-------|--|
| 9/16/2022 | 14:50 | 145    | 7.6      | 926        | 17   | 0.22  | 504    | 0   | 7.59 | 852  | 224    | 0.042   | 6.59   | 886  |     | 0.078 | 0.001 | 0.01  | 60.7 | 0.469 | 0.221  | 0.119 | 0.133 |    |    |    | 311   | 0.075 |  |
| 6/27/2022 | 11:15 | 143    |          |            |      |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 9/27/2021 | 15:35 | 146    |          |            |      |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 6/21/2021 | 11:00 | 144    | 7.4      | 806        | 19   | 0.505 | 496    | 0   | 7.80 | 1073 | 278.4  | 0.46    | 2.53   | 888  |     | 0.095 | 0.001 | 0.01  | 62.5 | 0.571 | 0.228  | 0.126 | 0.154 |    |    |    | 301   | 0.097 |  |
| 9/16/2020 | 12:30 | 144    | 7.2      | 1370       | 18   | 0.298 | 365    | 0   | 7.92 | 1789 | 212.7  | 0.051   | 13.17  | 1574 |     | 0.102 | 0.003 | 0.01  | 68.1 | 0.543 | 0.214  | 0.131 | 0.365 |    |    |    | 328   | 0.187 |  |
| 6/16/2020 | 11:45 | 144    | 7.2      | 1290       | 17   | 0.33  | 448    | 0   | 7.81 | 1139 | 283.6  | 0.54    | 4.94   | 1077 |     | 0.11  | 0.003 | 0.01  | 64.9 | 0.607 | 0.256  | 0.137 | 0.204 |    |    |    | 311   | 0.108 |  |
| 9/23/2019 | 13:45 | 144    | 7.5      | 1350       | 16   | 0.293 | 384    | 0   | 7.87 | 980  | 124.08 | 0.09    | 5.35   | 912  |     | 0     | 0.002 | 0.01  | 40.9 | 0.474 | 0.199  | 0.102 | 0.167 |    |    |    | 229   | 0.082 |  |
| 6/24/2019 | 11:50 | 143.5  | 7.9      | 1360       | 15   | 0.405 | 375    | 0   | 7.97 | 810  | 188.54 | 0       | 5.83   | 764  |     | 0     | 0.002 | 0.01  | 52.8 | 0.566 | 0.218  | 0.119 | 0.184 |    |    |    | 264   | 0.094 |  |
| 9/17/2018 | 13:00 | 146    |          |            |      |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 6/18/2018 | 13:40 | 146    |          |            |      |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 9/13/2017 | 12:30 | 144    | 7.8      | 1600       | 19   | 0.223 | 206.45 | 0   | 7.84 | 351  | 11.83  | 0       | 27.99  | 400  |     | 0     | 0.003 | 0.01  | 34.6 | 1.99  | 0.058  | 0.098 | 0.289 |    |    |    | 148   | 0.068 |  |
| 6/27/2017 | 10:00 | 143.5  | 8.4      | 1420       | 16   | 0.316 | 320.04 | 0   | 7.72 | 821  | 210.19 | 0       | 4.12   | 790  |     | 0     | 0.003 | 0.01  | 44.3 | 0.803 | 0.194  | 0.147 | 0.206 |    |    |    | 229   | 0.088 |  |
| 9/28/2016 | 8:46  | 143.5  | 7.6      | 1100       | 17   | 0.401 | 305.82 | 0   | 8.27 | 713  | 30.9   | 0       | 123.48 | 666  |     | 0     | 0.003 | 0.01  | 37.2 | 2.11  | 0.081  | 0.161 | 0.398 |    |    |    | 219   | 0.092 |  |
| 6/20/2016 | 8:46  | 143.35 | 8.5      | 560        | 15   | 0.381 | 359.16 | 0   | 8.05 | 513  | 8.86   | 0       | 53.75  | 536  |     | 0     | 0.003 | 0.01  | 35.8 | 2.26  | 0.067  | 0.129 | 0.316 |    |    |    | 197   | 0.074 |  |
| 8/18/2015 | 10:00 | 143.5  | 7.7      | 1090       | 16   | 0.364 | 341.61 | 0   | 8.04 | 696  | 11.83  | 0       | 94.33  | 647  |     | 0     | 0.004 | 0.01  | 34.1 | 3.25  | 0.084  | 0.104 | 0.255 |    |    |    | 202   | 0.077 |  |
| 6/16/2015 | 10:00 | 143.5  | 7.5      | 1030       | 17   |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 9/10/2014 | 9:00  | 144    | 7.8      | 710        | 14   | 0.612 | 329    | 0   | 7.47 | 913  | 10.9   | 0       | 26.75  | 902  |     | 0     | 0.002 | 0.01  | 47   | 0.99  | 0.04   | 0.100 | 0.12  |    |    |    | 139.2 | 0.07  |  |
| 6/25/2014 | 9:00  | 143.5  | 8        | 800        | 18   | 0.583 | 344    | 0   | 7.58 | 7800 | 11.76  | 0       | 99.71  | 744  |     | 0     | 0.005 | 0.01  | 32.8 | 3.88  | 0.106  | 0.110 | 0.234 |    |    |    | 247   | 0.068 |  |
| 7/18/2013 | 12:00 | 144    | 7.6      | 740        | 14   | 0.544 | 336    | 0   | 7.54 | 755  | 17.43  | 0.3     | 104.16 | 630  |     | 0.08  | 0.005 | 0.01  | 31.2 | 4.09  | 0.12   | 0.120 | 0.26  |    |    |    | 225   | 0.07  |  |
| 6/18/2013 | 12:00 | 143    | 7.2      | 720        | 11   |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 8/2/2012  | 13:30 | 144    | 7.9      | 1100       | 16   | 0.71  | 311.44 | 0   | 7.70 | 1102 | 24.81  | 0.3     | 153.55 | 1085 |     | 0.08  | 0.007 | 0.01  | 46.2 | 166.5 | 46.8   | 0.860 | 2.19  |    |    |    | 111.4 | 1.65  |  |
| 6/19/2012 | 13:00 | 144    | 7.5      | 1000       | 13   |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 7/26/2011 | 9:00  | 144    | 7.8      | 1000       | 15   | 0.18  | 76.82  | 0   | 7.49 | 790  | 4.96   | 0.29    | 90.14  | 1347 |     | 0.08  | 0.005 | 0.01  | 34   | 3.47  | 0.05   | 0.130 | 0.15  |    |    |    | 229   | 0.02  |  |
| 6/23/2011 | 12:00 | 144    | 7.6      | 10000      | 13   |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 8/5/2010  | 6:30  | 144.5  | 8.8      | 1000       | 12   | 0.825 | 455.33 | 0   | 7.34 | 974  | 136.13 | 0.3     | 33.75  | 782  |     | 0.08  | 0.08  | 0.01  | 47.5 | 5.5   | 0.06   | 0.120 | 0.17  |    |    |    | 162.5 | 0.03  |  |
| 6/15/2010 | 9:30  | 143.6  | 8.7      | 1000       | 16   | 0.594 | 462.93 | 0   | 7.44 | 1040 | 4.56   |         | 23.05  | 780  |     | 0     | 0.078 | 0.006 | 34.6 | 56.2  | 0.04   | 0.026 | 0.89  |    |    |    | 192   | 0.006 |  |
| 8/4/2009  | 8:00  | 144.5  | 8.4      | 1000       | 14   | 0.84  | 660    | 1   | 7.34 | 1200 | 78     | 0.02    | 14     | 880  |     | 0.06  | 0.002 | 0.005 | 53   | 62    | 0.01   | 0.097 | 0.83  |    |    |    | 200   | 0.005 |  |
| 6/16/2009 | 10:00 | 143.8  | 7.1      | 1000       | 13   | 0.91  | 600    | 1   | 7.42 | 960  | 10     | 0.02    | 23     | 740  |     | 0.16  | 0.01  | 0.005 | 53   | 33    | 0.03   | 0.122 | 0.546 |    |    |    | 170   | 0.005 |  |
| 8/6/2008  | 10:30 | 145    | 7.4      | 1200       | 10   | 0.95  | 610    | 1   | 7.49 | 1300 | 64     | 0.02    | 57     | 800  |     | 0.02  | 0.01  | 0.005 | 46   | 0.93  | 0.01   | 0.134 | 0.134 |    |    |    | 210   | 0.04  |  |
| 6/18/2008 | 9:30  | 144    | 7.7      | 1000       | 13   |       |        |     |      |      |        |         |        |      |     |       |       |       |      |       |        |       |       |    |    |    |       |       |  |
| 8/2/2007  | 8:00  | 145    | 7.49     | 700        | 17   | 0.19  | 570    | 1   | 7.52 | 1100 | 50     | 0.02    | 64     | 2600 |     | 0.01  | 0.002 | 0.005 | 46   | 26    | 0.01   | 0.005 | 0.43  |    |    |    | 200   | 0.1   |  |
| 6/19/2007 | 8:00  | 144    | 7.17     | 900        | 16.5 | 0.95  | 590    | 1   | 7.51 | 980  | 16     | 0.02    | 9      | 580  |     | 0.01  | 0.002 | 0.005 | 41   | 16    | 0.01   | 0.130 | 0.316 |    |    |    | 150   | 0.005 |  |
| 8/10/2006 | 12:00 | 145    | 7.16     | 900        | 17   | 1     | 560    | 1   | 7.74 | 1100 | 17     | 0.04    | 63     | 590  |     | 0.01  | 0.002 | 0.005 | 35   | 26    | 0.01   | 0.103 |       | 20 |    |    | 150   | 0.111 |  |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: SC-3

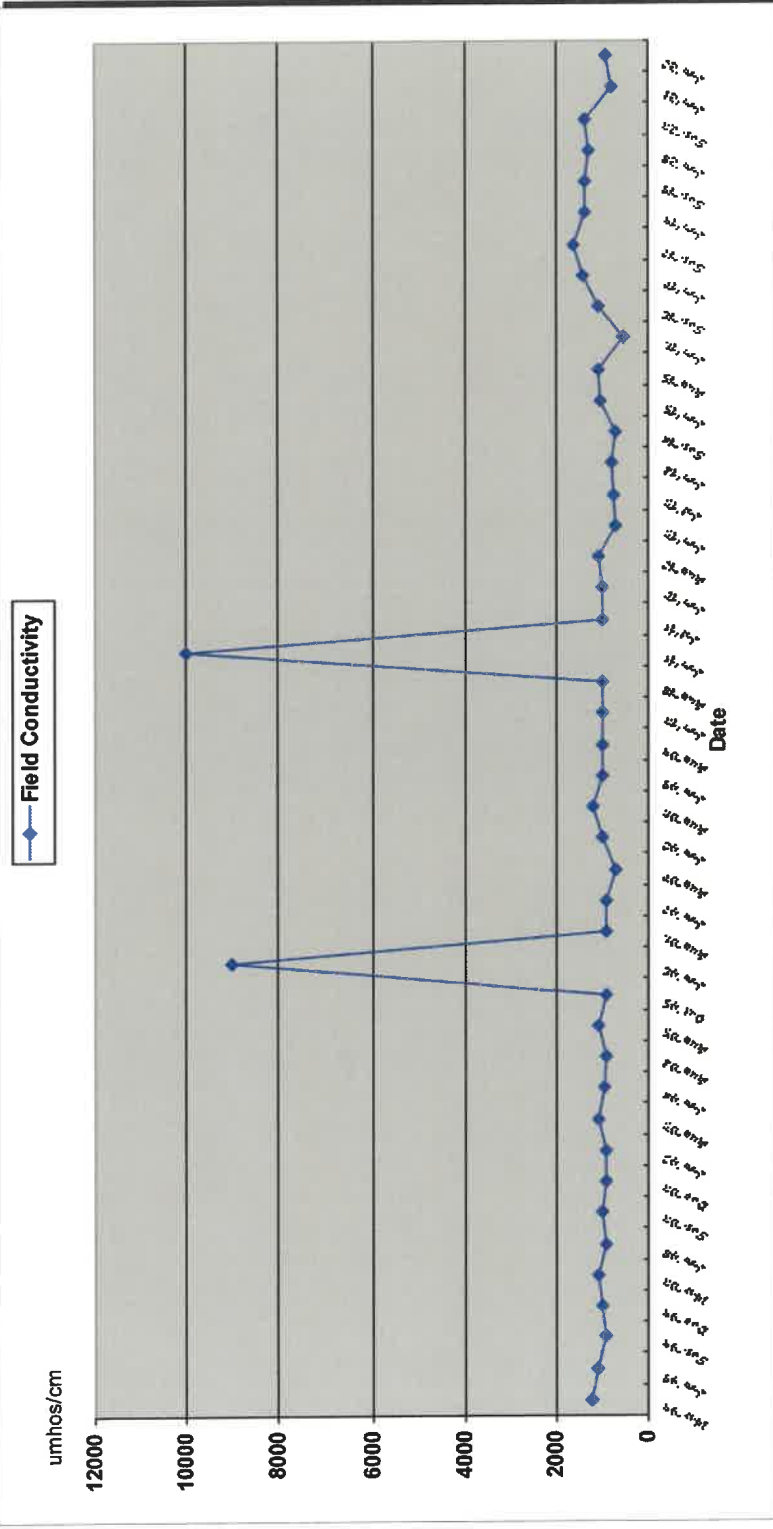
| Date       | Time  | DEPTH  | Field pH | Field Cond | Temp | NH3  | HCO3 | CO3 | pH   | Cond | Cl | NO3/NO2 | SO4 | TDS | TSS | PO4   | As     | Cd     | Ca   | Fe-Tr | Fe-Dls | Mnd   | Mntr  | Mg   | Hg      | Se     | Na  | Zn    |
|------------|-------|--------|----------|------------|------|------|------|-----|------|------|----|---------|-----|-----|-----|-------|--------|--------|------|-------|--------|-------|-------|------|---------|--------|-----|-------|
| 6/9/2006   | 12:00 | 145.2  | 7.45     | 9000       | 14   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 10/17/2005 | 11:00 | 145    | 7.68     | 930        | 17.1 | 1.4  | 510  | 1   | 7.60 | 1100 | 52 | 0.72    | 100 | 710 |     | 0.01  | 0.002  | 0.005  | 46   | 18    | 0.01   | 0.177 | 0.333 |      |         |        | 200 | 0.03  |
| 8/5/2005   | 9:45  | 144    | 6.6      | 1100       | 15   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 8/23/2004  | 10:43 | 146    | 7.3      | 930        | 14   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/22/2004  | 9:40  | 144.5  | 7.4      | 940        | 14   | 0.71 | 510  | 1   | 7.40 | 990  | 27 | 0.02    | 70  | 620 |     | 0.01  | 0.002  | 0.005  | 60   | 20    | 0.03   | 0.173 | 0.365 |      |         |        | 180 | 0.02  |
| 8/26/2003  | 9:15  | 145    | 7.69     | 1100       | 15   | 0.8  | 530  | 1   | 7.45 | 1000 | 29 | 0.11    | 48  | 660 |     | 0.01  | 0.002  | 0.005  | 64   | 46    | 0.01   | 0.129 | 0.646 |      |         |        | 210 | 0.005 |
| 6/17/2003  | 9:00  | 144.7  | 7.69     | 900        | 16   | 0.66 | 550  | 1   | 7.53 | 1100 | 58 | 0.08    | 79  | 880 |     | 0.01  | 0.002  | 0.005  | 62   | 36    | 0.21   | 0.181 | 0.585 |      |         |        | 150 | 0.005 |
| 11/6/2002  |       | 148.5  | 0        | 0          | 0    |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/25/2002  |       | 146    | 0        | 0          | 0    |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 12/29/2001 | 13:30 | 0      | 0        | 0          | 0    |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 9/28/2001  | 13:40 | 0      | 0        | 0          | 0    |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/29/2001  | 14:50 | 0      | 0        | 0          | 0    |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 3/30/2001  | 13:30 | 0      | 0        | 0          | 0    |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 12/29/2000 | 11:30 | 141.5  | 7.7      | 900        | 12   | 0.78 | 580  | 1   | 7.87 | 1063 | 51 | 0.09    | 64  | 640 | 750 | 0.01  | 0.002  | 0.005  | 49.9 | 24.7  | 0.01   | 0.362 | 0.125 | 20.6 | 0.0002  | 0.002  | 170 | 0.015 |
| 9/28/2000  | 15:00 | 141.7  | 7.4      | 1000       | 14   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/29/2000  | 13:09 | 142    | 7        | 900        | 15   | 1.2  | 450  | 1   | 7.03 | 910  | 14 | 0.02    | 78  | 600 | 920 | 0.03  | 0.002  | 0.005  | 47.8 | 7.53  | 0.01   | 0.183 | 0.14  | 15.1 | 0.0002  | 0.007  | 140 | 0.016 |
| 3/25/2000  | 14:30 | 142    | 7.5      | 1100       | 16   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 12/14/1999 | 13:00 | 141    | 7.4      | 1000       | 16   | 1.21 | 530  | 1   | 7.31 | 965  | 47 | 0.14    | 35  | 880 | 675 | 0.01  | 0.002  | 0.005  | 45.3 | 18.7  | 0.01   | 0.293 | 0.279 | 16.2 | 0.0002  | 0.019  | 141 | 1.16  |
| 9/22/1999  | 9:45  | 142.5  | 7.5      | 900        | 16   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/30/1999  | 13:10 | 141.25 | 7.6      | 1100       | 17   | 1.54 | 442  | 1   | 7.27 | 972  | 34 | 0.15    | 84  | 565 | 865 | 0.01  | 0.002  | 0.005  | 38   | 17.2  | 0.01   | 0.293 | 0.147 | 13.2 | 0.0002  | 0.002  | 102 | 0.045 |
| 3/29/1999  | 10:37 | 142    | 7.9      | 1200       | 15   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 12/30/1998 |       | 142    | 7.4      | 1000       | 18   |      |      |     |      | 916  |    |         |     | 527 |     |       |        |        |      | 10.8  |        | 0.121 |       |      |         |        |     |       |
| 9/30/1998  |       | 142    | 7.5      | 1010       | 19   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/29/1998  |       | 143    | 7.6      | 1190       | 19   |      |      |     |      | 956  |    |         |     | 600 |     |       |        |        |      | 2.36  |        | 0.125 |       |      |         |        |     |       |
| 3/25/1998  |       | 142.6  | 8.3      | 1100       | 12   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 9/9/1997   |       | 142.3  | 7.6      | 1200       | 15   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 6/24/1997  |       |        |          |            |      | 0.5  | 470  | -1  | 7.47 | 990  | 25 | 1.6     | 107 | 630 |     | 0.36  | 0.006  | -0.005 | 51.9 | 11.2  | 0.03   | 0.096 | 0.236 | 19.2 | -0.0002 | 0.005  | 160 |       |
| 6/24/1997  |       | 141.8  | 7.8      | 920        | 17   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 3/20/1997  |       | 143    | 7.4      | 1000       | 15   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 12/17/1996 |       |        |          |            |      |      |      |     | 7.48 |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 12/17/1996 |       |        |          |            |      | 0.62 | 560  | -1  | 7.48 | 1140 | 75 | 0.02    | 70  | 710 |     | -0.01 | -0.002 | -0.005 | 47.8 | 11.1  | -0.005 | 0.022 | 0.267 | 17.9 | 0.0002  | -0.002 | 167 |       |
| 12/17/1996 |       | 143.8  | 7.9      | 1170       | 10   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |
| 9/19/1996  |       | 142.2  | 7.5      | 1000       | 15   |      |      |     |      |      |    |         |     |     |     |       |        |        |      |       |        |       |       |      |         |        |     |       |

# MONITORING DATA FOR 2022 AHR

GROUNDWATER LOCATION: SC-3

| Date       | Time  | DEPTH  | Field pH | Field Cond | Tem | NH3  | HCO3 | CO3  | pH   | Cond | Cl | NO3/NO2 | SO4 | TDS | TSS  | PO4    | As     | Cd     | Ca   | Fe-Tr | Fe-Dis | Mnd   | Mntr  | Mg      | Hg      | Se     | Na    | Zn     |
|------------|-------|--------|----------|------------|-----|------|------|------|------|------|----|---------|-----|-----|------|--------|--------|--------|------|-------|--------|-------|-------|---------|---------|--------|-------|--------|
| 6/10/1996  |       | 141    | 7.5      | 880        | 16  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 6/10/1996  |       |        |          |            |     | 0.96 | 470  | -1   | 7.45 | 979  | 6  | 0.05    | 94  | 710 |      | 0.02   | -0.002 | -0.005 | 55.1 | 4.46  | -0.01  | 0.140 | 0.173 | 22.5    | -0.0002 | 0.002  | 180   |        |
| 3/19/1996  | 8:13  | 143.12 | 7.7      | 1010       | 12  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 12/5/1995  | 10:18 |        |          |            |     | 1.5  | 481  | -1   | 7.52 | 910  | 12 | 0.04    |     | 560 |      | -0.01  | -0.005 | -0.005 | 48.5 | 3.75  | 0.02   | 0.120 | 0.18  | 17      | -0.0002 | -0.005 | 150   | 0.067  |
| 12/5/1995  | 10:18 | 142.9  | 7.7      | 930        | 13  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 9/6/1995   | 13:27 | 142.2  | 7.5      | 1000       | 15  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 6/8/1995   | 10:57 |        |          |            |     | 0.45 | 412  | -1   | 7.47 | 950  | 16 | 0.06    |     | 590 |      | -0.01  | -0.002 | -0.005 | 52.4 | 5.04  | -0.005 | 0.124 | 0.18  | 21.3    | -0.0002 | 0.006  | 193   | -0.005 |
| 6/8/1995   | 10:57 | #####  | 7.4      | 880        | 13  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 3/15/1995  | 12:33 | 142.75 | 7.3      | 1020       | 15  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 12/7/1994  | 10:57 | 148.5  | 8.6      | 1000       | 12  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 12/7/1994  | 10:57 |        |          |            |     | 1.2  | 530  | -0.5 | 7.57 | 1000 | 16 | 0.1     |     | 660 |      | 0.02   | 0.035  | -0.005 | 49   | 21.2  | 0.02   | 0.100 | 0.1   | 19.4    | -0.0002 | 0.007  | 160   | 0.008  |
| 9/16/1994  | 11:39 | 143    | 7.7      | 950        | 16  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 6/29/1994  | 11:00 | 158    | 8        | 1200       | 16  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 6/29/1994  | 11:00 |        |          |            |     | 0.8  | 510  | -1   | 7.55 | 1130 | 51 | 0.04    |     | 720 |      | -0.01  | -0.002 | -0.005 | 56   | 19    | -0.02  | 0.150 | 0.35  | 20      | -0.0002 | -0.002 | 160   | -0.005 |
| 4/28/1994  | 14:10 | 142    | 8.2      | 1200       | 17  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 3/31/1994  | 10:04 |        |          |            |     | 0.61 | 380  | 0    | 7.70 | 1197 | 14 |         |     | 746 | 688  | -0.005 | -0.001 | -0.005 | 70   | 11    | 0.11   | 0.170 | 28    | -0.0002 | -0.001  | 149    | 0.02  |        |
| 3/31/1994  | 10:04 | 142    | 7.9      | 1300       | 19  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 11/10/1993 | 8:15  |        | 9.1      | 1200       | 11  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 8/30/1993  | 11:45 |        |          |            |     | 0.7  | 456  | 0    | 7.90 | 1020 | 10 | 0.05    |     | 566 | 570  | -0.005 | -0.001 | -0.005 | 48   | 13    | 0.58   | 0.130 | 19    | -0.0002 | -0.001  | 145    | 0.1   |        |
| 8/30/1993  | 11:45 | 142    | 8.4      | 930        | 15  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 7/11/1993  | 12:00 | 141    | 8        | 920        | 17  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 7/11/1993  | 12:00 |        |          |            |     | 0.6  | 386  | 0    | 7.50 | 906  | 8  | 0.02    |     | 568 | 364  | -0.005 | -0.001 | -0.005 | 54   | 11.6  | 0.38   | 0.170 | 21    | -0.0002 | 0.001   | 132    | 0.12  |        |
| 4/30/1993  | 12:20 | 140.75 | 7.6      | 850        | 15  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |
| 3/30/1993  | 9:50  |        |          |            |     | 0.71 | 416  | 28   | 8.60 | 866  | 17 | 0.02    |     | 566 | 1840 | -0.005 | -0.001 | -0.005 | 49   | 42    | 0.02   | 0.130 | 19    | 0.0008  | -0.001  | 143    | -0.01 |        |
| 3/30/1993  | 9:50  | 142.75 | 7.8      | 900        | 13  |      |      |      |      |      |    |         |     |     |      |        |        |        |      |       |        |       |       |         |         |        |       |        |

**GROUND WATER LOCATION: SC-3**

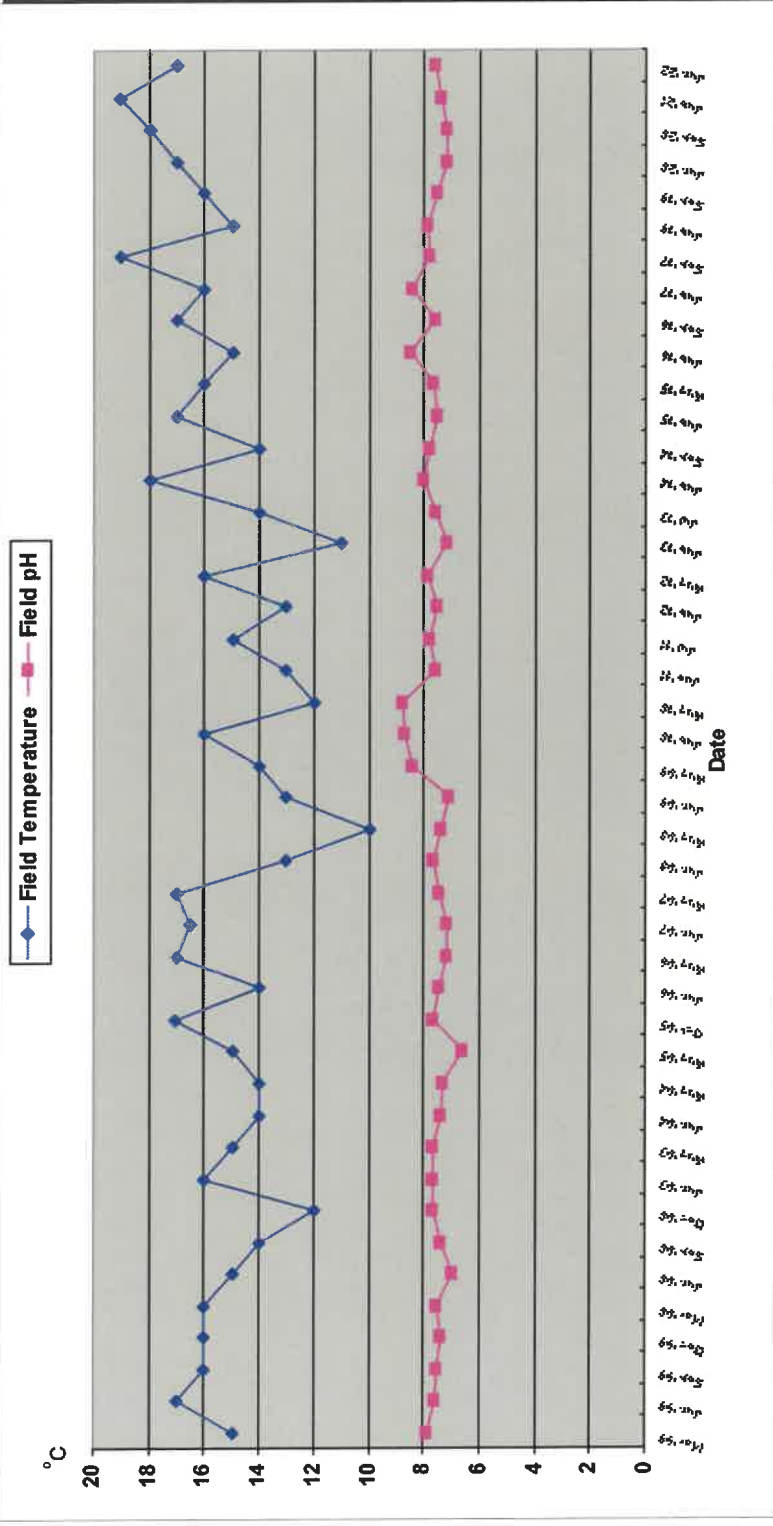


**Oxbow Mining, LLC., Elk Creek Mine**

Date : 15-Feb-23

# MONITORING CHART FOR 2022 AHR

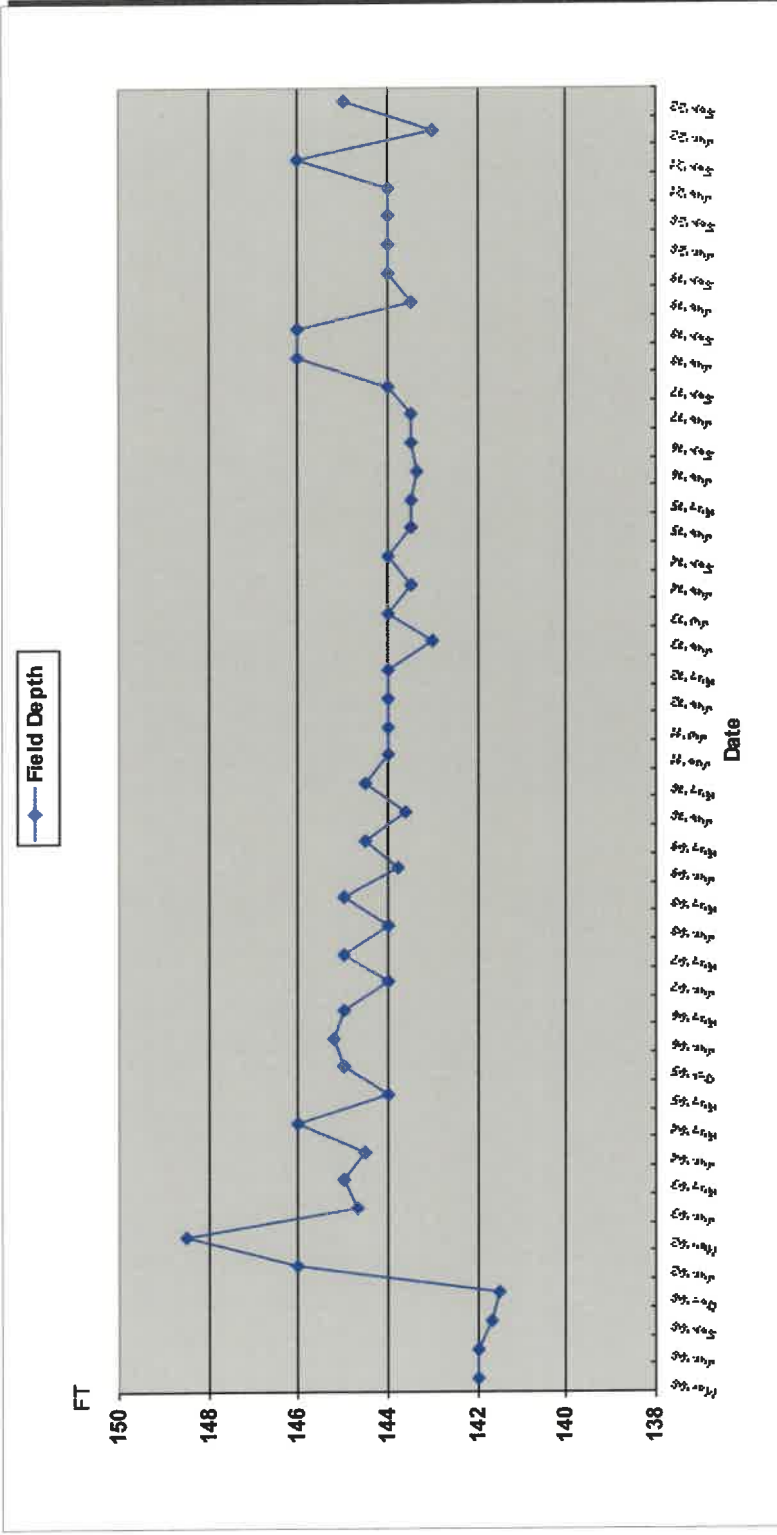
GROUND WATER LOCATION: SC-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

# MONITORING CHART FOR 2022 AHR

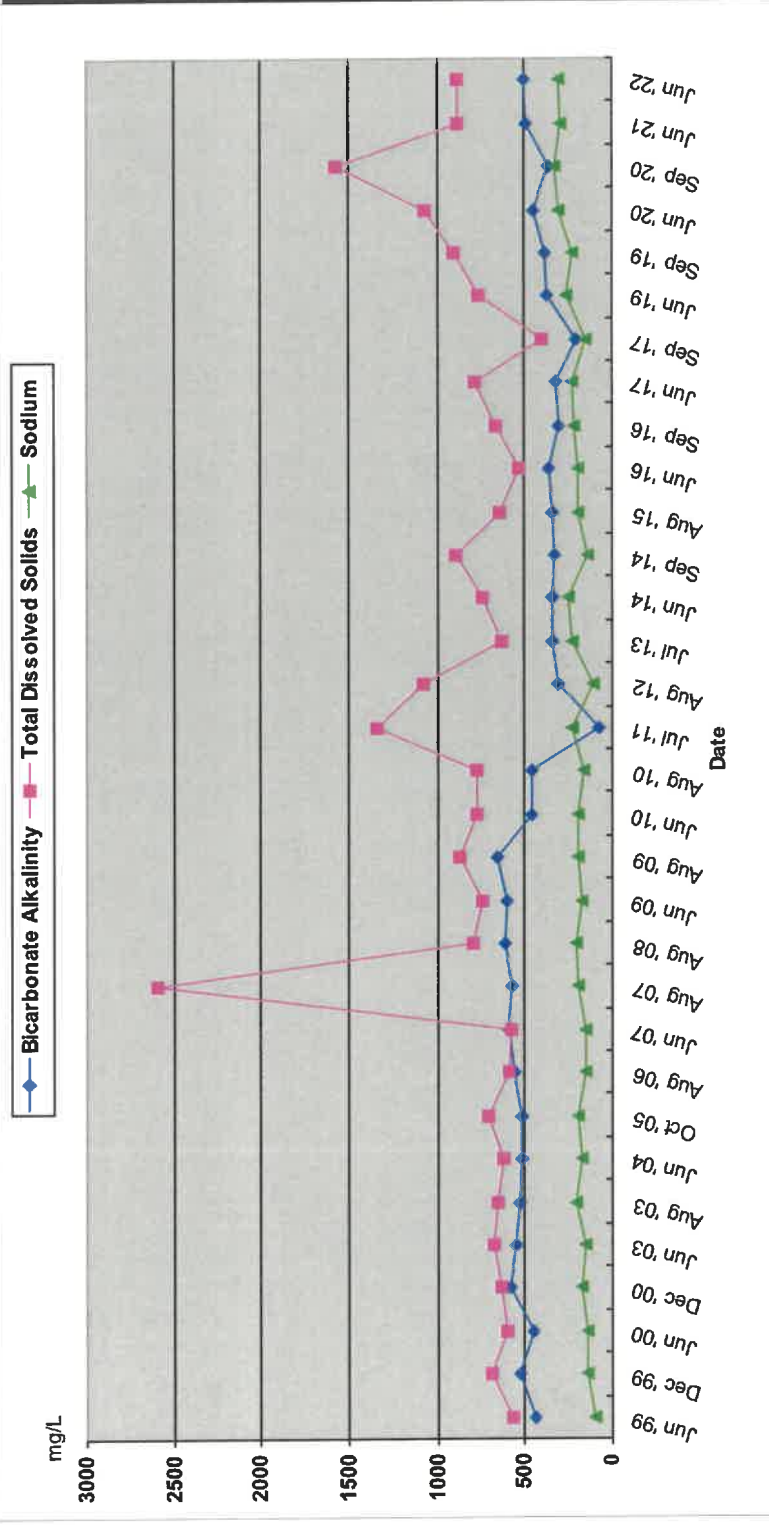
GROUND WATER LOCATION: SC-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

# MONITORING CHART FOR 2022 AHR

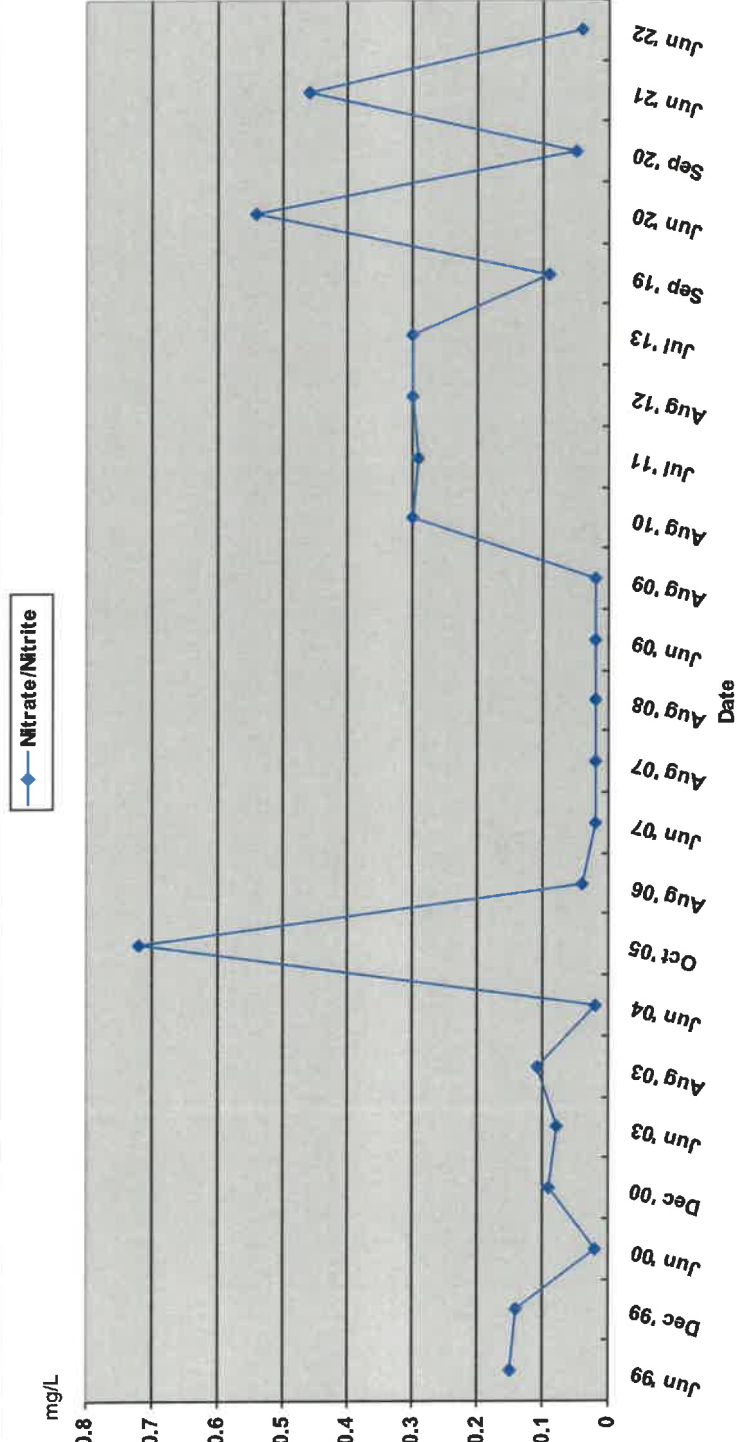
GROUND WATER LOCATION: SC-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

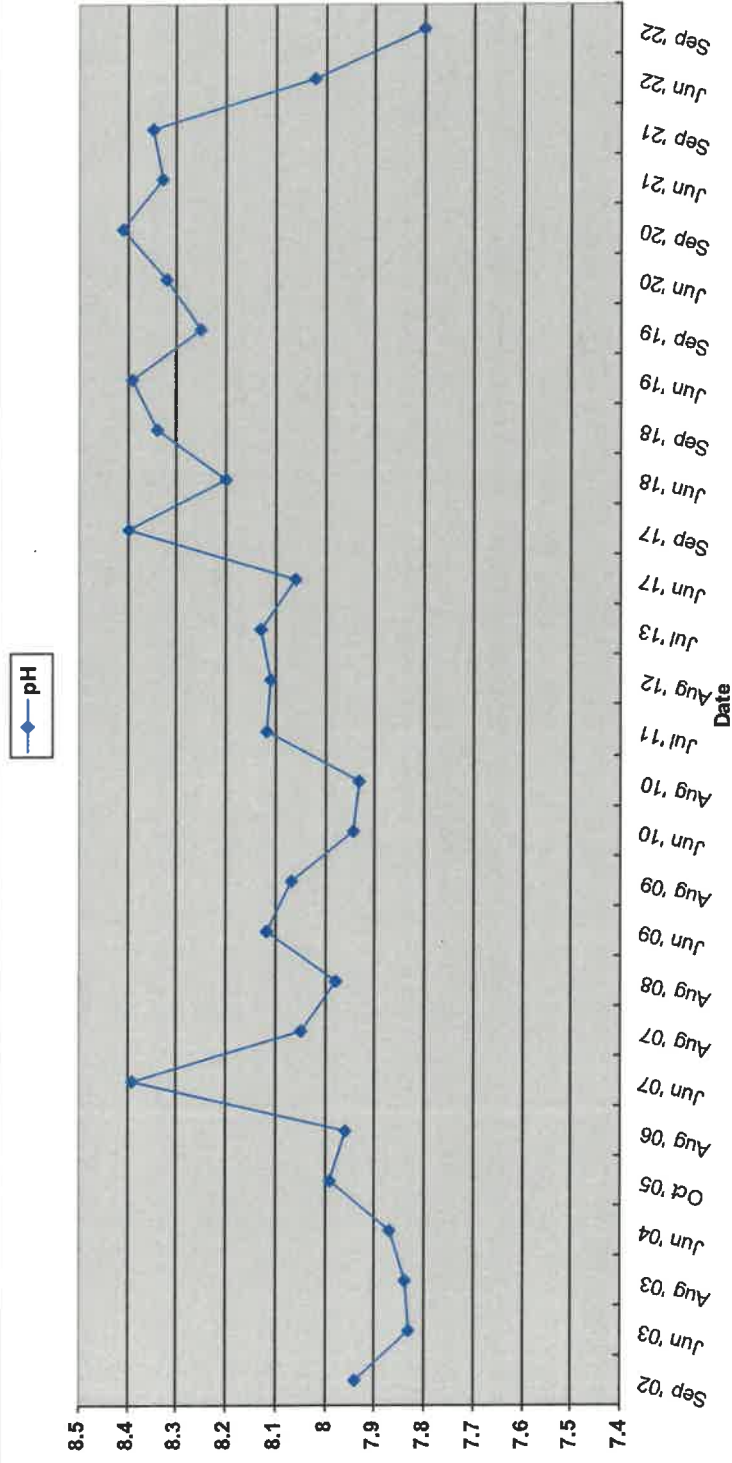
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-3



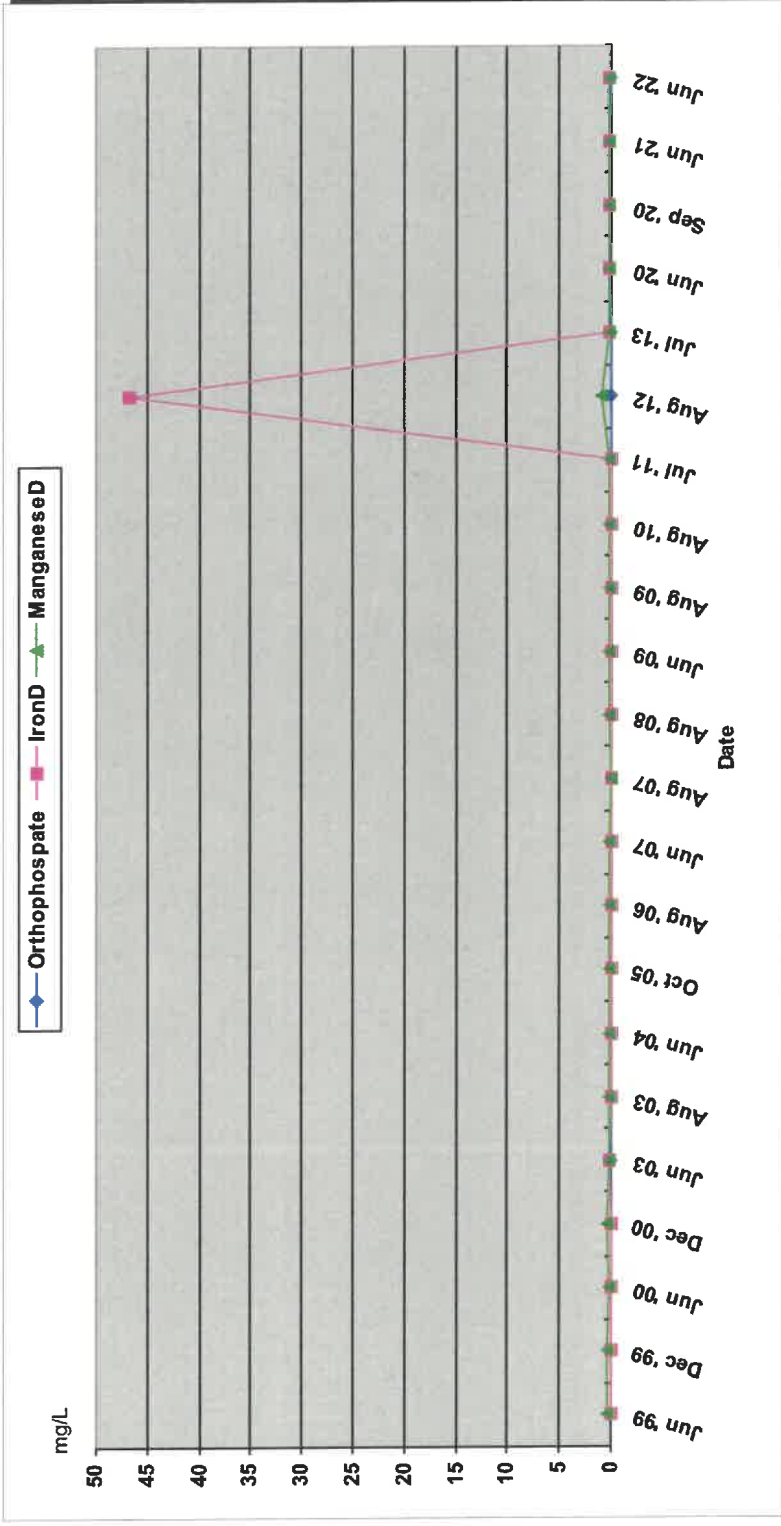
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-3



# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-3

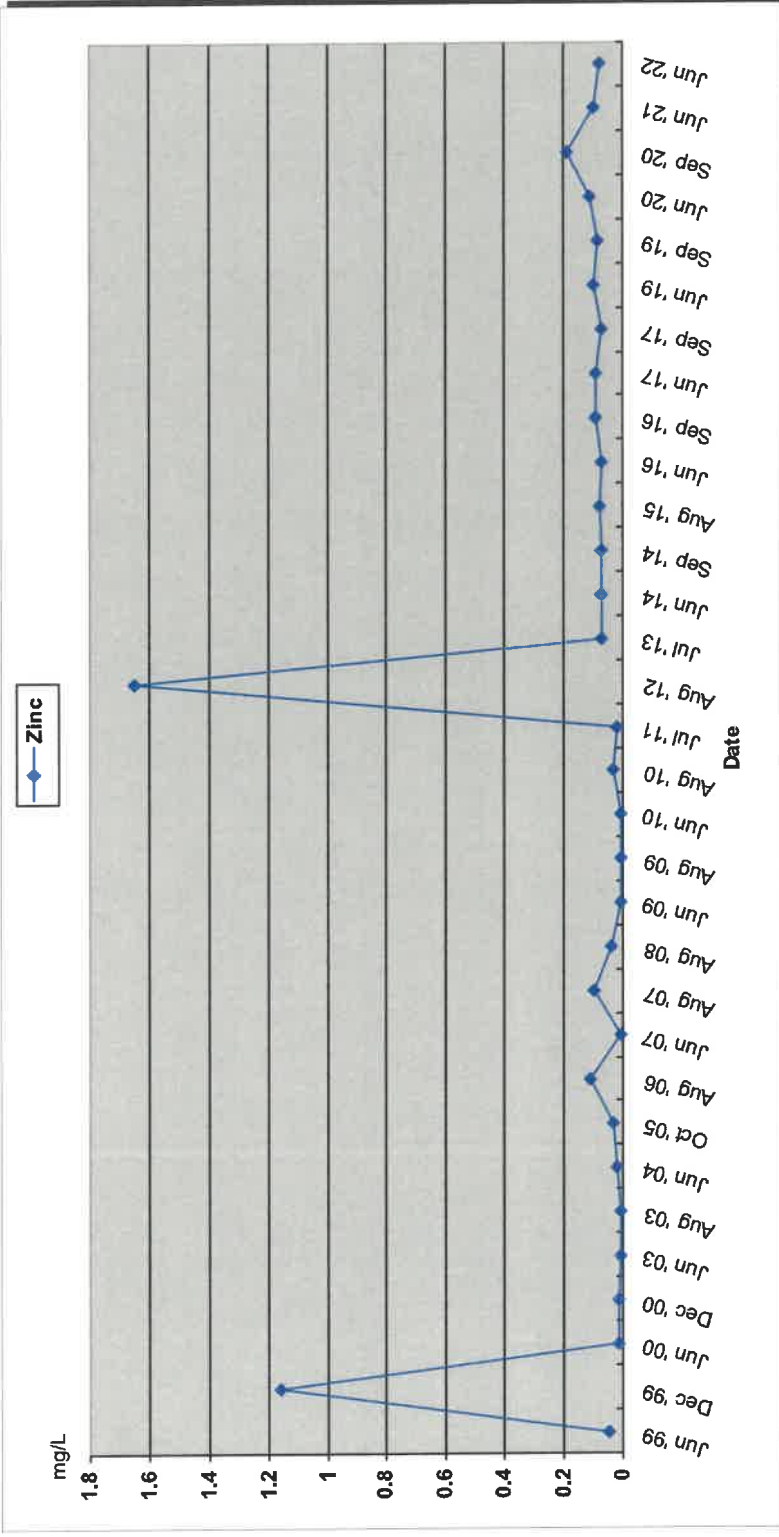


Oxbow Mining, LLC., Elk Creek Mine

Date : 15-Feb-23

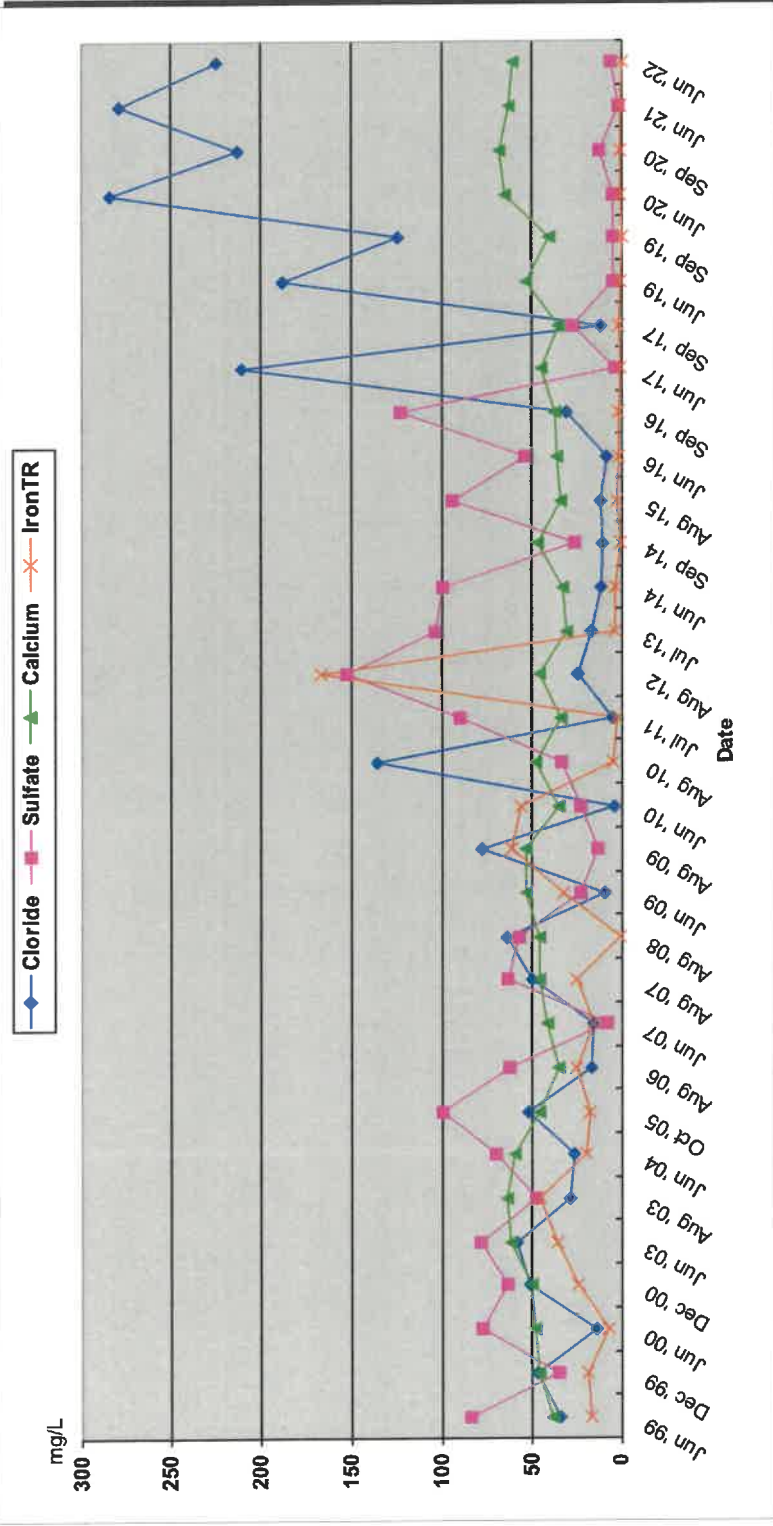
# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-3



# MONITORING CHART FOR 2022 AHR

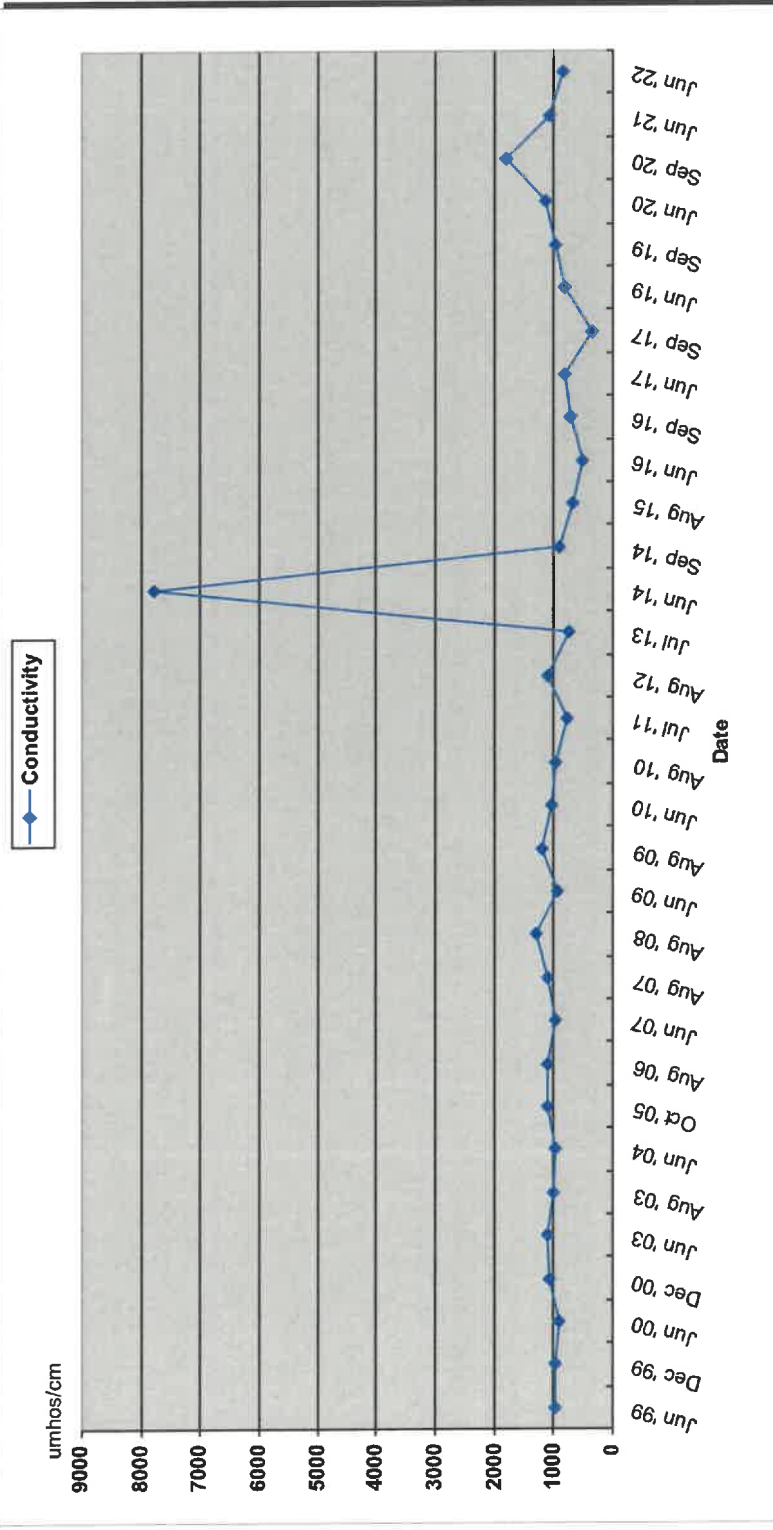
GROUND WATER LOCATION: SC-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 15-Feb-23

# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: SC-3



Oxbow Mining, LLC., Elk Creek Mine  
Date : 03-Mar-23

**D2B**

# MONITORING CHART FOR 2022 AHR

GROUND WATER LOCATION: D2B

