2024 Surface Water and Groundwater Monitoring Report
New World Mining District
Response and Restoration Project

December 17, 2024

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Tetra Tech Project No. 102-ENV-TGS168.0019.06

PRESENTED TO

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1.0 INTRODUCTION

Tetra Tech prepared this Surface Water and Groundwater Monitoring Report for the United States Department of Agriculture (USDA) Forest Service, Custer Gallatin National Forest (Forest Service). Surface water and groundwater monitoring activities are being conducted to evaluate water quality improvements resulting from response and restoration work completed in the New World Mining District (District) (**Figure 1** in **Appendix A**). This document presents surface water and groundwater data collected during the 2023 calendar year as approved by Contract No. GS-00F-168CA/12034318A0011 (USDA Forest Service 2023).

Monitoring of surface water and groundwater quality is an ongoing component of the New World Response and Restoration Project and is described in detail in the Overall Project Work Plan (Maxim 1999a). To gain a more comprehensive understanding of the overall project, the reader is encouraged to review the Overall Project Work Plan, 2012 Long Term Operations and Maintenance Plan (Tetra Tech 2012), and the 2022 Long Term Operations and Maintenance Plan (Tetra Tech 2022a) which updates and modifies the 2012 Plan.

In addition, background information, data analysis, and data interpretation can be found in previous monitoring reports and other documents referenced herein and available on the project website at the following address:

https://www.fs.usda.gov/detail/custergallatin/?cid=STELPRDB5407502

All figures referenced in this report are included in **Appendix A**. Data tables comparing 2024 water quality to surface water standards are included in **Appendix B** and additional summaries of surface and groundwater data including field notes are presented in **Appendices C** and **D**, respectively. Analytical laboratory reports are included in **Appendix E**.

The complete project water quality database is available by request from the Forest Service.

2.0 METHODS

The scope of surface water and groundwater monitoring was decreased in 2020 (in comparison with previous years) and will continue at the decreased frequency through 2032 (Tetra Tech 2022a). Specifically, groundwater monitoring was discontinued at all locations except for the Selective Source Waste Repository sump and monitoring wells SBGW-107 and SBGW-107T which are located downhill of the Repository. Analysis of dissolved metal and common ion concentrations in surface water were also discontinued although total recoverable metal and sulfate concentrations continue to be analyzed.

Water monitoring activities were completed during the following dates in 2024:

June 25 and 26	High-flow surface water monitoring.
June 26	Repository sump and groundwater monitoring.
September 16 and 17	Low-flow surface water monitoring.

Surface and groundwater monitoring activities and analytical methods were conducted in accordance with the 2022 Long Term Operations and Maintenance Plan (Tetra Tech 2022a). More detailed descriptions of sampling methods can be found in that document while a summary is provided in the remainder of this section.

2.1 SURFACE WATER MONITORING

Surface water monitoring is typically conducted at 12 stations in late June or mid-July (high-flow) and again in late September (low-flow).

Temporary water quality standards, per ARM 17.30.630, were in place at three monitoring stations (CFY-2, DC-5, and SW-7, **Figure 2,** and **Table 1**) and were the focus of triennial reviews by the Montana Department of Environmental Quality Board of Environmental Review (DEQ-BER). Narrative water quality standards applied to the remaining portions of the main stems of Daisy and Fisher Creeks which include four additional monitoring stations (DC-2, SW-3, SW-4, and SW-6). These temporary and narrative water quality standards expired in 2019. Subsequent work by DEQ, including a Use Attainability Analysis, for developing replacement site-specific water quality standards for the District was initiated but not completed by DEQ.

Current DEQ-7 water quality standards (DEQ 2019) are applicable to the remaining five monitoring stations on Soda Butte Creek and tributaries to Daisy and Fisher Creeks.

Field parameters (stream flow, pH, specific conductivity, and temperature) were measured at each station using hand-held meters and recorded on note sheets (**Appendix C**). Water samples were collected immediately before or after measurement of field parameters at a location upstream of that disturbed by wading.

Samples were submitted for analysis of total recoverable metals and sulfate concentrations, pH, and specific conductivity.

2.2 GROUNDWATER MONITORING

Groundwater monitoring was conducted at two monitoring wells (SBGW-107 and SBGW-107T) and the Repository sump (**Table 2** and **Figure 3**).

Depth to groundwater was measured in monitoring wells using a decontaminated electric water level indicator. Each well was then purged to allow formation water to enter the well. Field parameters (temperature, pH, specific conductivity, dissolved oxygen, and oxidation/reduction potential) were measured during purging and in the well using a down-hole multi-probe meter after sample collection and are presented in **Appendix D**.

Samples were submitted for laboratory analysis of dissolved metal and sulfate concentrations, pH, and specific conductivity. The analytical suite for the Repository Sump and downgradient monitoring wells includes constituents (i.e., dissolved arsenic and mercury and total recoverable arsenic, iron, and mercury) to comply with DEQ's requirements for discharging repository leachate into a drain field that was constructed in August 2017.

Fluid contained within the Repository sump was analyzed for the same field parameters as the groundwater samples after using a peristaltic pump to obtain a sample. The fluid level within the sump, as well as groundwater elevation in monitoring well SBGW-107T, are continuously monitored and recorded by data-logging pressure transducers.

2.3 DEVIATIONS FROM SCOPE OF WORK

No deviations from the 2022 Long Term Operations and Maintenance Plan (Tetra Tech 2022a) occurred during monitoring activities.

3.0 RESULTS

Water quality data are summarized in this section with emphasis on conditions following completion of response actions within the District. Particular attention is given to data for surface water stations where temporary/narrative water quality standards were in effect and for stations immediately below locations of major reclamation work.

Major response actions consisted of capping the McLaren Pit by September 2003, closure of the Glengarry adit by September 2004, and soil amendment and closure of the Glengarry adit raise in the Como Basin by October 2006 (**Figure 2**). Figures comparing pre-response and post-response surface water quality are provided to determine whether improvements occurred and to evaluate if post-response water quality conditions were maintained or improved through 2024 (**Figures 4-6**; **Appendix A**).

Tables comparing surface water quality data to regulatory standards are included in **Appendix B**. **Appendix C** provides additional 2024 and historic surface water data and surface water field forms. **Appendix D** contains a summary of groundwater results for 2024, historic data for the Repository and downgradient wells SBGW-107 and SBGW-107T, and groundwater field forms. **Appendix E** contains laboratory analytical reports and chain of custody forms for both 2024 monitoring events.

3.1 SURFACE WATER

Surface water monitoring was conducted at stations located in the Daisy Creek/Stillwater River, Fisher Creek, and Soda Butte Creek drainages. **Tables 3**, **4**, and **5** compare water quality data for each of these drainages to regulatory standards applicable at each respective monitoring station. Shading and/or font color of concentration values reported in these tables indicate exceedance of regulatory standards or guidelines (e.g., yellow shading indicates exceedance of the acute aquatic life standard).

3.1.1 Daisy Creek Drainage

Metal concentrations measured at Daisy Creek stations DC-2 and DC-5 did not exceed previously applicable temporary or narrative water quality standards although acute and/or chronic aquatic life standards for cadmium, copper, iron, and zinc were exceeded at high and/or low flow monitoring events at station DC-2 while cadmium, copper, and iron aquatic life standards were exceeded at DC-5 (**Table 3, Appendix B**). The trend of cadmium, copper, and iron exceeding aquatic life standards during high and low flow conditions, and zinc exceeding these standards during low flow conditions at these sites is consistent with previous years.

The human health standard for copper was exceeded at DC-2 during the September monitoring event as it has during all low-flow monitoring events following construction of the McLaren Pit cap.

Data for station SW-7 on the Stillwater River are also reported in **Table 3**. No standards were exceeded at SW-7 in 2024. It is worth noting that copper concentrations measured during the high flow conditions typically exceed aquatic life standards at this location.

Constituent concentrations in the upper reaches of Daisy Creek were greatest near the McLaren Pit, decreased with distance downstream, and were greatest during periods of low stream flow. This general trend is consistent with data from previous years. Further downstream at SW-7, concentrations of manganese and iron were greater during low-flow while aluminum and copper were greater during high-flow conditions.

Figure 4 plots total recoverable copper, iron, and zinc concentrations versus time for station DC-2 which is the nearest point on the main stem of Daisy Creek to the reclaimed McLaren Pit. Apart from a high iron concentration of 34.3 milligrams per liter (mg/L) in September 2010, low-flow post-McLaren cap

monitoring results appear consistent with pre-cap results measured during high-flow conditions and concentrations are less variable after 2013. The apparent variability in low-flow metals concentrations measured through 2011 are due to the inclusion data from April monitoring events which were discontinued in 2012. Constituent concentrations measured during high-flow conditions are lower post-cap and appear stable since 2013. This suggests that water quality in the headwaters of Daisy Creek is nearing or has achieved stability during high-flow and that incremental improvements during low flow may occur but would need to be verified with continued monitoring.

Daisy Creek water quality has shown improvement during high-flow conditions since completion of the McLaren Pit cap in October 2003 (**Figure 4**). As discussed in previous reporting, with the cap in place, there is a greater contribution of uncontaminated water to Daisy Creek during each spring snowmelt event. This is because the McLaren Pit cap limits infiltration of snowmelt and other precipitation into the metal and sulfide rich soil, waste materials, and bedrock in the McLaren Pit area which previously discharged to the upper reaches of Daisy Creek.

3.1.2 Fisher Creek Drainage

No constituents exceeded human health or previously applicable temporary or narrative water quality standards at monitoring stations along the main stem of Fisher Creek and Clarks Fork of the Yellowstone River (**Table 4**). Aquatic life standards for some constituents were exceeded at each station although concentrations become lower and exceedances fewer with downstream distance. At the two most downstream locations (CFY-2 and SW-6) exceedances were limited to copper. These observations are consistent with other post-reclamation monitoring results.

Surface water station FCT-11 is located on a tributary that drains the Como Basin and discharges into upper Fisher Creek at the Glengarry Adit site. FCT-11 has historically displayed acidic pH and metal concentrations that appear unimproved or even elevated compared to pre-response conditions, however a limited amount of pre-reclamation water quality data are available for this site (**Figure 5**). Concentrations of copper, iron, and zinc do display slight decreasing trends since completion of the Como Basin cap in 2006 and pH values display an overall increasing trend since 2015 (4.21 and 6.37 in 2024). The apparent variability in low-flow metals concentrations measured through 2011 are due to the inclusion data from April monitoring events which were discontinued in 2012.

Station SW-3 is located on upper Fisher Creek and is the first surface water monitoring station below the Glengarry Adit. Consistent with previous post-Glengarry Adit response action monitoring, concentrations of some metals exceeded aquatic life standards at SW-3 (**Table 4**). Acidic pH values of 3.63 and 5.27 were measured in 2024 and are typical for this location. Post-response metal concentrations are less variable compared to pre-response conditions. Metal concentrations during high flow conditions are lower than pre-response concentrations. Metal concentrations during low flow conditions are greater than those measured during high flow but are comparable to the lowest concentrations measured prior to reclamation (**Figure 6**). These findings are consistent with previous post-response monitoring results at this location.

Water quality improves with distance downstream to stations SW-4, CFY-2, and on to SW-6 although copper concentrations continue to exceed aquatic life standards at each station (**Table 4**). Copper concentrations at SW-3 tend to be greatest during low-flow conditions while copper concentrations are greatest during high-flow conditions further downstream at stations CFY-2 and SW-6.

3.1.3 Soda Butte Creek Drainage

Monitoring results for stations on Soda Butte Creek are summarized in **Table 5**. As in previous years, no water quality standards were exceeded at station SBMS-US located above the McLaren Tailings reclamation site. No standards were exceeded at downstream stations SBC-2 and SBC-4.

2015 was the first year that no water quality standards were exceeded at station SBC-2 located downstream of the McLaren Tailings reclamation site. Since that time the only exceedance of an applicable standard was when copper exceeded the chronic aquatic life standard in June 2019.

3.2 GROUNDWATER

The final year of District-wide groundwater monitoring was 2019 and most groundwater monitoring wells were abandoned in accordance with the Administrative Rules of Montana in 2020 and 2021 (Tetra Tech 2021 and 2022b). Beginning in 2020, groundwater monitoring was limited to the Repository sump and downgradient monitoring wells SBGW-107 and SBGW-107T **(Figure 3**) and occurs during the high flow surface water monitoring event in late June or early July. Groundwater levels in the Repository area typically peak in May and approach seasonally low levels by July.

Wells SBGW-107 / 107T

Two wells at one paired-well location, SBGW-107 and SBGW-107T, are monitored downgradient of the New World Waste Repository site. The well pair consists of one well completed in glacial till ("T" designation) and a second deeper well completed in the underlying Precambrian granite bedrock.

Continuous water level data for well SBGW-107T are presented in **Figure 7** and indicate consistent seasonal groundwater level fluctuations of approximately eight feet in the glacial till. At peak groundwater levels in late May or early June, groundwater is within two feet of ground surface near these wells while the wells are often dry or nearly dry in July.

The SBGW-107/107T well pair typically has low concentrations of copper, iron, manganese, and zinc. SBGW-107T displays circumneutral pH (averaging 7.0 s.u.) while SBGW-107 has a somewhat elevated pH averaging 8.6 s.u. Metal concentrations measured in 2024 were consistent with previous monitoring events (**Table D-2** in **Appendix D**). Field pH measurements recorded in 2024 (7.04 and 9.17) were consistent with previous years.

Repository Sump

Water accumulating in the Repository sump is monitored using continuous water level instrumentation (pressure transducer with data logger) and by collecting annual samples of sump water for laboratory analysis. The historical water accumulation in the sump, groundwater level in the downgradient glacial till well SBGW-107T, and stream flow at station SBC-4 on Soda Butte Creek (USGS station #06187915) are presented in **Figure 7**. Historical water accumulation in the sump is also annotated in **Figure 8** along with schedules of when water was removed from the sump and when the final cap was emplaced.

Following emplacement of the final cap in 2005, water was removed from the sump on an annual basis by pumping and disposing at a municipal wastewater treatment plant. In August 2017 an infiltration gallery was completed to allow disposal of the sump water without the continued need to pump and transport. After construction of the infiltration gallery the sump water level increased until reaching a depth of twenty inches in January 2018, at which point the water began to discharge to the infiltration gallery (**Figure 8**).

The sump water level remained steady through the 2020 monitoring season but appeared to increase beginning in spring of 2021 at a rate similar to that measured prior to construction of the infiltration gallery. This increase in sump water level was suspected to be due either to a blockage within the pipe leading to the infiltration gallery prompting work to expose the pipe and install an upgraded inlet in 2024. During this work it was discovered that the pressure transducer / data logger that records the sump water level was malfunctioning and indicating a greater depth of water than actually present. The data logger was

replaced in October 2024 and continued monitoring will occur to verify proper function of the repository drainage system.

Chemistry of the sump water measured in 2024 (**Appendix D**, **Tables D-1,** and **D-2**) is similar to that measured during other events since the final cap was emplaced with most constituents present at concentrations below their analytical detection limit and no exceedance of DEQ-7 drinking water standards.

4.0 DATA VALIDATION

This section describes the data validation process used to determine the adequacy and quality of laboratory analytical data collected during this year's monitoring events. The objective of data validation was to identify any unreliable or invalid measurements and qualify that data for interpretive use. Data validation was performed as described in the Overall Project Work Plan (Maxim 1999a).

Data collected during the two 2024 water monitoring events were validated and flagged with data qualifiers if appropriate. The following data qualifiers were used to flag data in the project database and report tables and signify the following:

- '<' indicates the constituent was analyzed for but not detected above the minimum detection limit (MDL).
- 'J' indicates the associated value is estimated based on being detected at a concentration above the minimum detection limit (MDL) but below the practical quantitation limit (PQL).
- 'H' indicates that an analysis was performed outside of the sample holding time for that specific analysis.

4.1 FIELD QA/QC

Field duplicates were prepared and containerized by Tetra Tech field personnel in accordance with the Site-Wide Sampling and Analysis Plan (SAP; Maxim 1999b). Field Quality Assurance/Quality Control (QA/QC) samples collected during these surface water monitoring events are listed in **Table 6**.

Field duplicate results aid in the assessment of sampling and analytical accuracy. Analytical results for the original and duplicate samples collected from each sampling event were evaluated using the following criteria:

- The relative percent difference (RPD) between the two samples was calculated when both values of the natural/duplicate pair were greater than five times the PQL for a given analysis. Analytical results of parameters where the RPD was greater than 20 percent are considered estimated concentrations.
- The absolute value difference (AVD) between the natural and duplicate sample for a given analysis was calculated when one or both values were less than five times the PQL. Analytical results are considered estimated if the AVD was less than the PQL.

All duplicate surface water data collected in 2024 were within the criteria specified in the Site-Wide SAP (Maxim 1999b) and were not flagged as estimated values.

Because all groundwater samples are collected with dedicated or disposable equipment, no QA/QC samples are collected to assess cross contamination as in monitoring events prior to 2020.

4.2 LABORATORY QA/QC

The following QA/QC issues were noted by the laboratory upon receipt of water samples:

- Holding times for pH analyses (15 minutes) were exceeded; however, all pH values reported in the text and tables of this report were measured in the field at the time of sampling. Laboratory analysis of pH is completed as a backup to the field data.

The analytical laboratory validated the data, set the calibration standards, verified calibration, implemented laboratory controls, and analyzed laboratory duplicates and laboratory spikes on a per analytical batch basis. When data did not meet laboratory QA/QC criteria and precision and accuracy guidelines as specified in the laboratory's Laboratory Quality Assurance Plan the relevant data were flagged and appropriately qualified by the laboratory. A variety of data qualifiers were used to flag parameter concentrations in the laboratory reports (**Appendix E**).

Accuracy is measured as the ability of the analytical procedure to determine the actual or known quantity of a particular substance in a sample. Accuracy acceptance or rejection is based on the percent recovery (%R) of the laboratory matrix spike (MS) for water samples. To determine accuracy, the %R for each matrix spike is compared to the acceptable range in accordance with laboratory QC acceptance limits (some methods specify a MS range, but many do not and leave it to the laboratory to statistically determine their MS limits). Natural results associated with percent recoveries outside acceptable limits are considered estimated. Natural results associated with percent recoveries of less than 50% are considered rejected, as recommended by U.S. EPA (1988). Under this criterion, some of the data was qualified but no data was rejected. Estimated natural results and other data qualifiers are detailed in laboratory reports contained in **Appendix E**.

4.3 DATA COMPLETENESS

No data were considered estimated based on laboratory QA/QC criteria, and none were rejected for the 2024 sampling events. Sampling frequency and locations were in accordance with the Site-Wide SAP and the 2022 Long Term Operations and Maintenance Plan. Therefore, a data completeness of 100% was achieved.

5.0 SUMMARY

The 2024 monitoring results are similar to previous post-response action results and show that surface water quality improvements are 1) most apparent during high-flow conditions in the headwaters of the Daisy Creek/Stillwater River and the Fisher Creek drainages and 2) have been maintained following completion of reclamation activities.

Exceptions to improved water quality include McLaren Pit area groundwater, which remained relatively unchanged following the McLaren Pit Response Action except at well DCGW-104 where water quality continued to improve up to the time when these wells were abandoned (Tetra Tech 2021). Another exception is surface water monitored at station FCT-11 within the Como Basin where concentrations of iron and zinc appear unimproved or elevated relative to pre-response concentrations albeit based on limited pre-response data.

A summary of the 2024 results is presented below.

- Copper exceeded the human health standard at DC-2 in the Daisy Creek drainage during low-flow conditions in September, as is typical for this site. No other human health standards were exceeded in surface water in the Daisy, Fisher, or Soda Butte Creek drainages.

- Copper concentrations exceeded aquatic life standards at all stations on Daisy and Fisher Creeks. Concentrations were greatest at upstream monitoring locations as is consistent with previous monitoring events.
- Either cadmium, iron, zinc, or a combination of these metals exceeded aquatic life standards at various upstream stations on Daisy Creek and Fisher Creek. No standards for these metals were exceeded at downstream reaches of these drainages.
- The Repository sump was excavated to address a suspected issue with the drain field discharge pipe. The pipe was found to be undamaged and apparent increases in the sump water level are believed to be due, all or in part, to a defective datalogger. A new datalogger was installed and continued monitoring will verify whether the drain field is functioning as designed.
- Water chemistry of the Repository sump in 2024 is similar as that measured in 2005 through 2023 and meets drinking water standards.
- No data were considered estimated based on laboratory QA/QC criteria, and none were rejected for the 2024 sampling events. Sampling frequency and locations were in accordance with the Site-Wide SAP and the 2020 Long Term Operations and Maintenance Plan. Therefore, a data completeness of 100% was achieved.

6.0 REFERENCES

Maxim Technologies, Inc., 1999a. Overall Project Work Plan, New World Mining District Response and Restoration Project. Prepared for USDA Forest Service, Northern Region, Missoula, Montana.

_____1999b. Site-Wide Sampling and Analysis Plan. New World Mining District Response and Restoration Project. Appendix B of the Overall Project Work Plan. Final. Prepared for the USDA Forest Service, Northern Region, Missoula, Montana.

Montana Department of Environmental Quality (DEQ) 2019. Circular DEQ-7, Montana Numeric Water Quality Standards, Planning, Prevention and Assistance Division, Water Quality Standards Section. June.

Tetra Tech, Inc. 2012. Site-Wide, Long-Term Operations and Maintenance Plan, New World Mining District Response and Restoration Project. Prepared for US Forest Service Region 1. June 2012.

_____ 2022a. Site-Wide, Long-Term Operations and Maintenance Plan, New World Mining District Response and Restoration Project. Prepared for USDA Forest Service, Gallatin National Forest, Bozeman, Montana. February 2022.

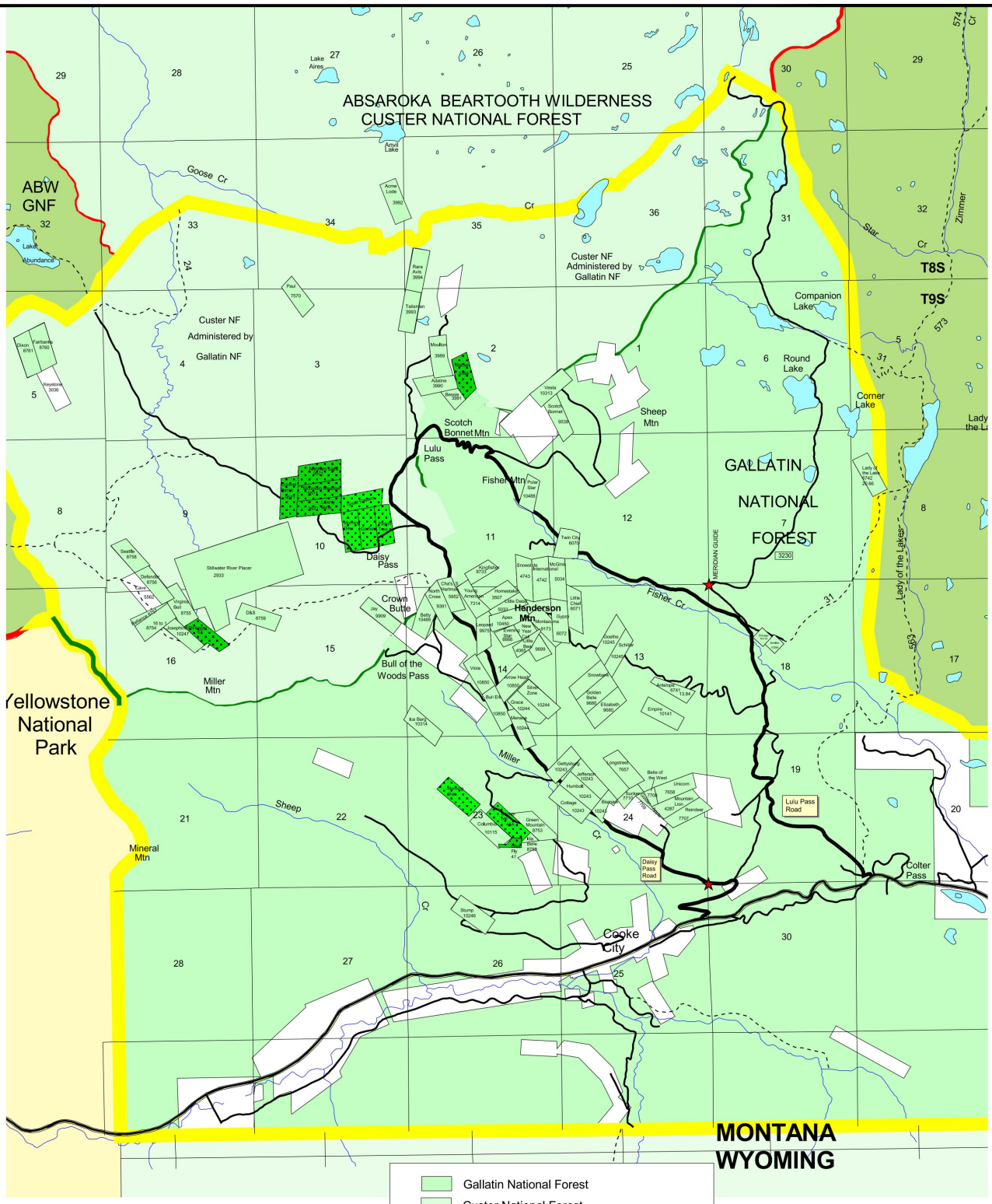
_____ 2022b. 2021 Activities Report. New World Mining District Response and Restoration Project. Prepared for USDA Forest Service, Gallatin National Forest, Bozeman, Montana. February 2022.

_____ 2021. 2020 Activities Report. New World Mining District Response and Restoration Project. Prepared for USDA Forest Service, Gallatin National Forest, Bozeman, Montana. March 2021.

USDA Forest Service, 2023. Order for Supplies or Services, New World Mining District Response and Restoration Project – Site Operations 2023, GSA Contract No. GS-00F-168CA/12034318A0011.

U.S. EPA 1988. Laboratory Data Validation, Functional Guidelines for Evaluating Inorganics Analysis.

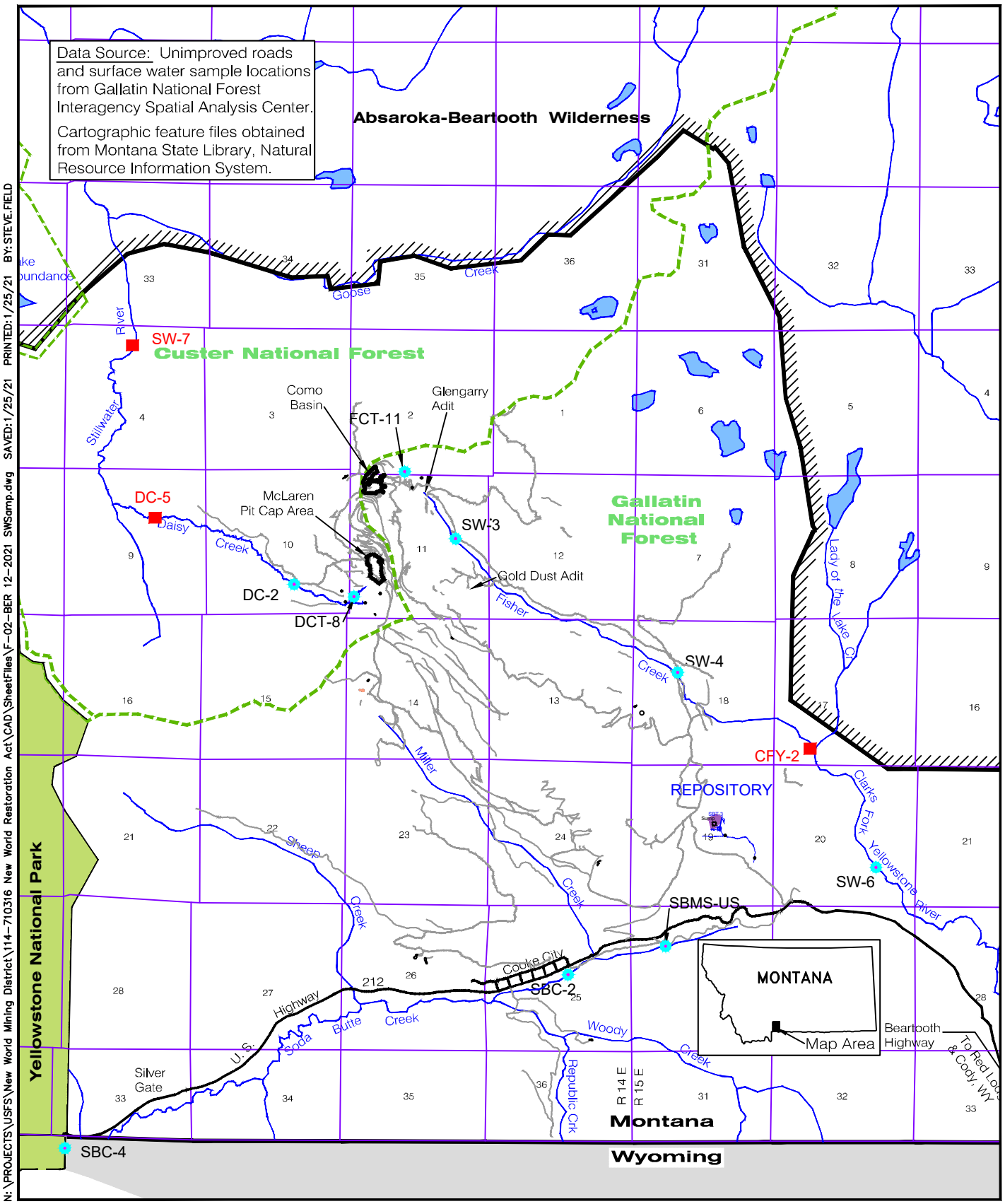
APPENDIX A – FIGURES



Job Number

O:\T-Z\Tetra Tech Division\114-710324 - New World 2013-2014\2014\110-2D CADD\SupportFiles\Figure 1-Project Vicinity Map2015.dwg SAVED:4/15/15 PRINTED:1/22/16 BY:BROOKS.QUAINTANCE

Project Vicinity Map
New World Mine
Cooke City Area, Montana
FIGURE 1



New World Mining District Boundary
Unimproved Road
National Forest Boundary
Wilderness Boundary
Other Monitoring Station
Long-Term Monitoring Station for Temporary Standards Review (Previously Monitored for Temporary Standards that are No Longer Applicable)

N

0 Feet 5000

114-710324A.800

Surface Water Monitoring Stations
New World Mining District
Response and Restoration Project
Cooke City Area, Montana
FIGURE 2

C:\CData\NewWorld\Arcmap\NWFig3GWstations.mxd

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1/21/2021

N

SCALE IN FEET
0 500

- ▲ Groundwater Monitoring Location
- ● Repository Sump
- Custer/Gallatin Forest Roads

Groundwater Monitoring Stations
New World Mining District
Response And Restoration Project
Cooke City Area, Montana
FIGURE 3

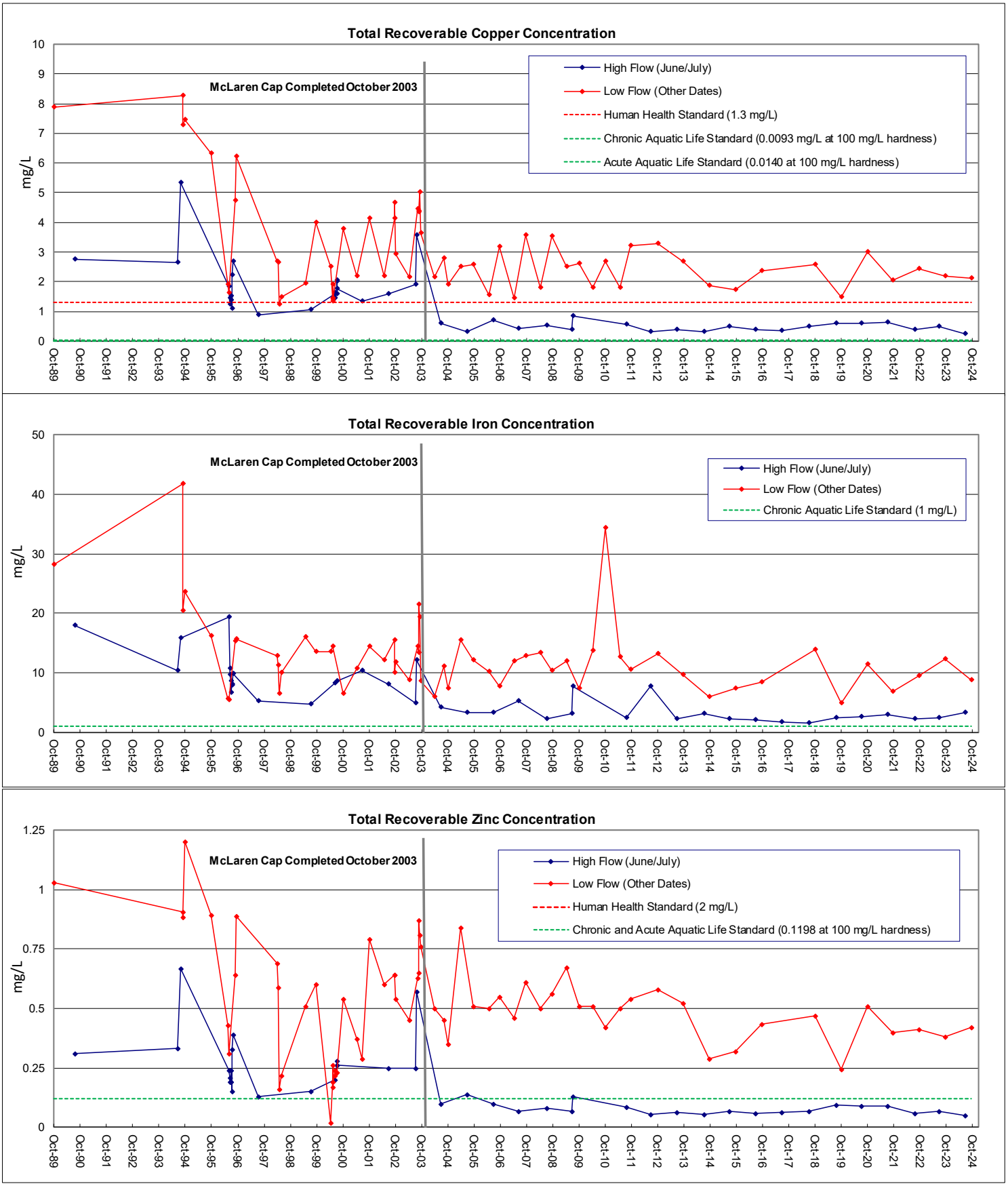
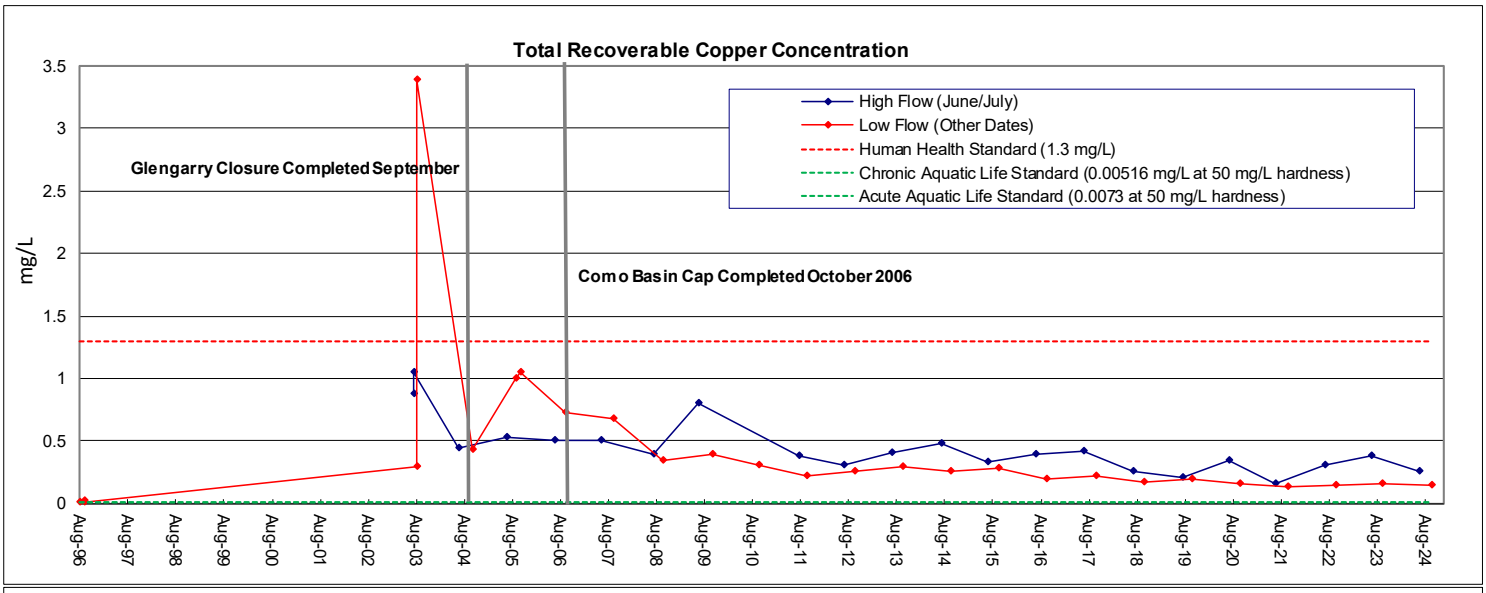
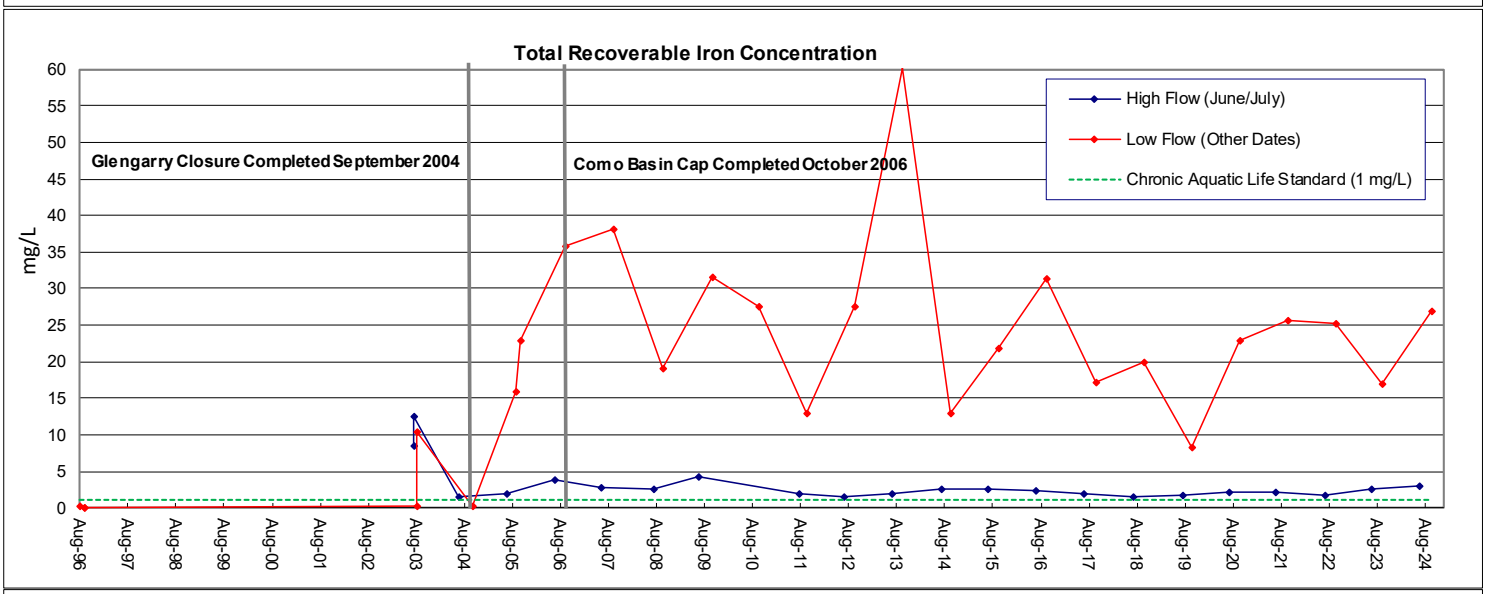


Figure 4. Selected Metal Concentrations Over Time at Daisy Creek Monitoring Station DC-2.





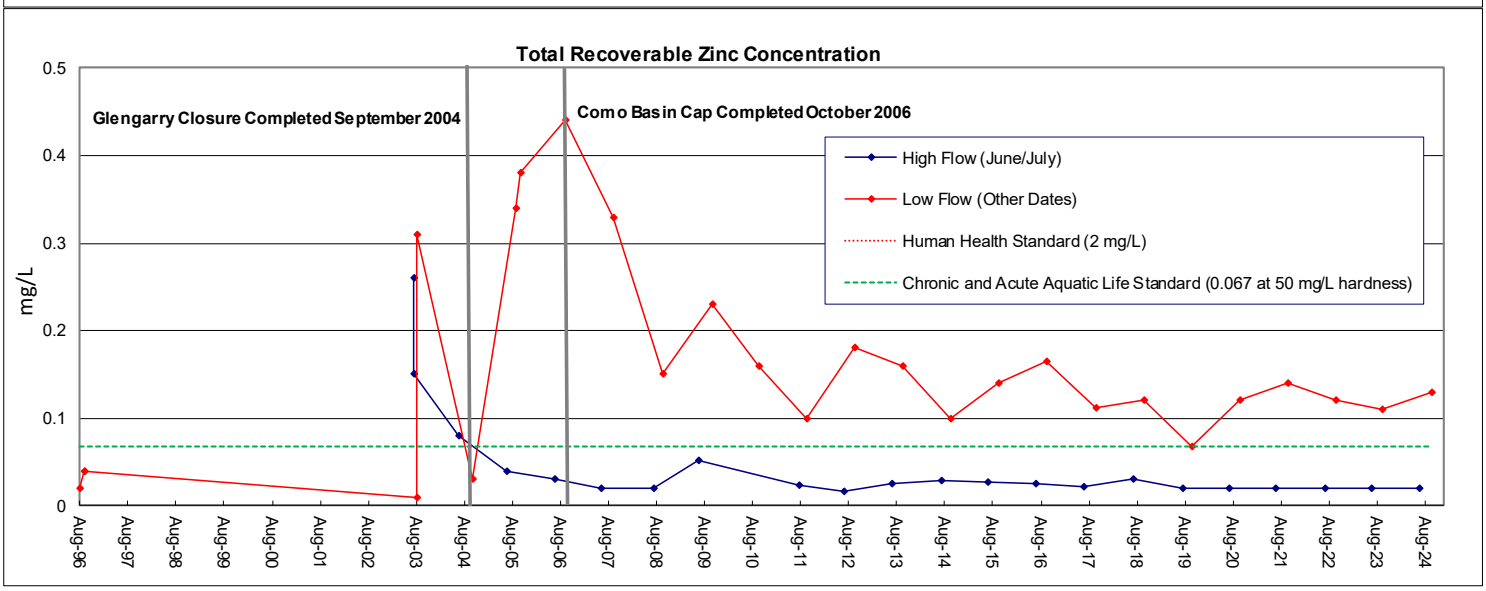


Figure 5. Selected Metal Concentrations Over Time at Fisher Creek Monitoring Station FCT-11.

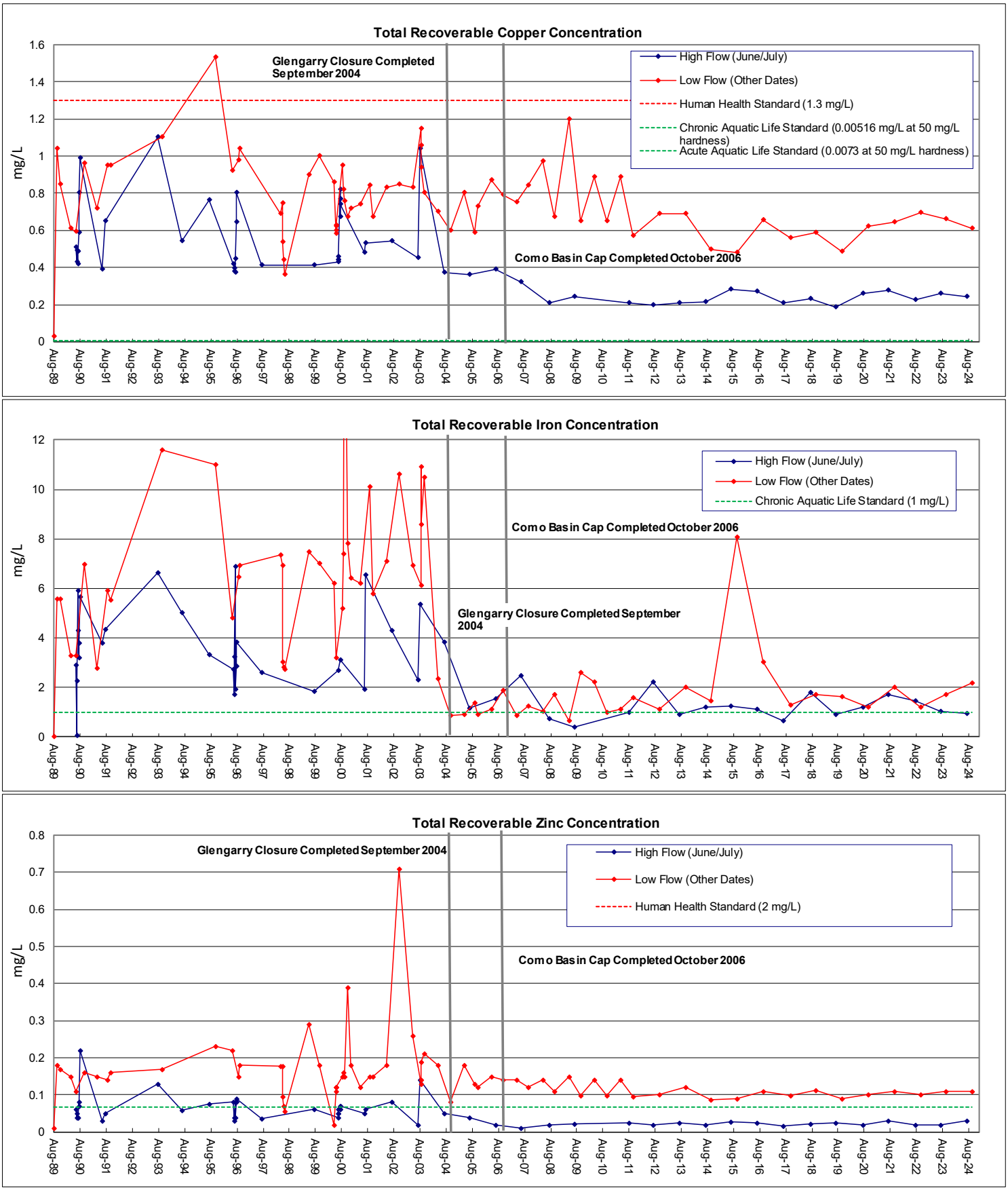


Figure 6. Selected Metal Concentrations Over Time at Fisher Creek Monitoring Station SW-3.

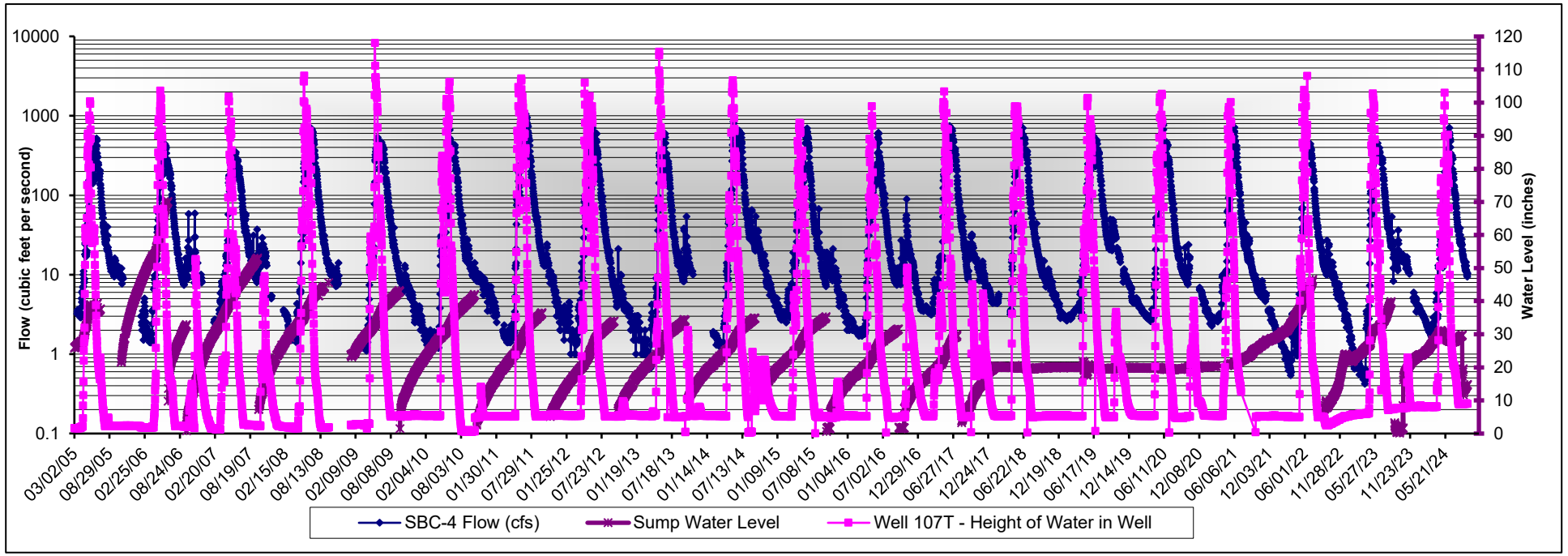


Figure 7. Repository Sump Water Level Compared to Groundwater Levels in Well SBGW-107T and Surface Water Flow in Soda Butte Creek at Station SBC-4.

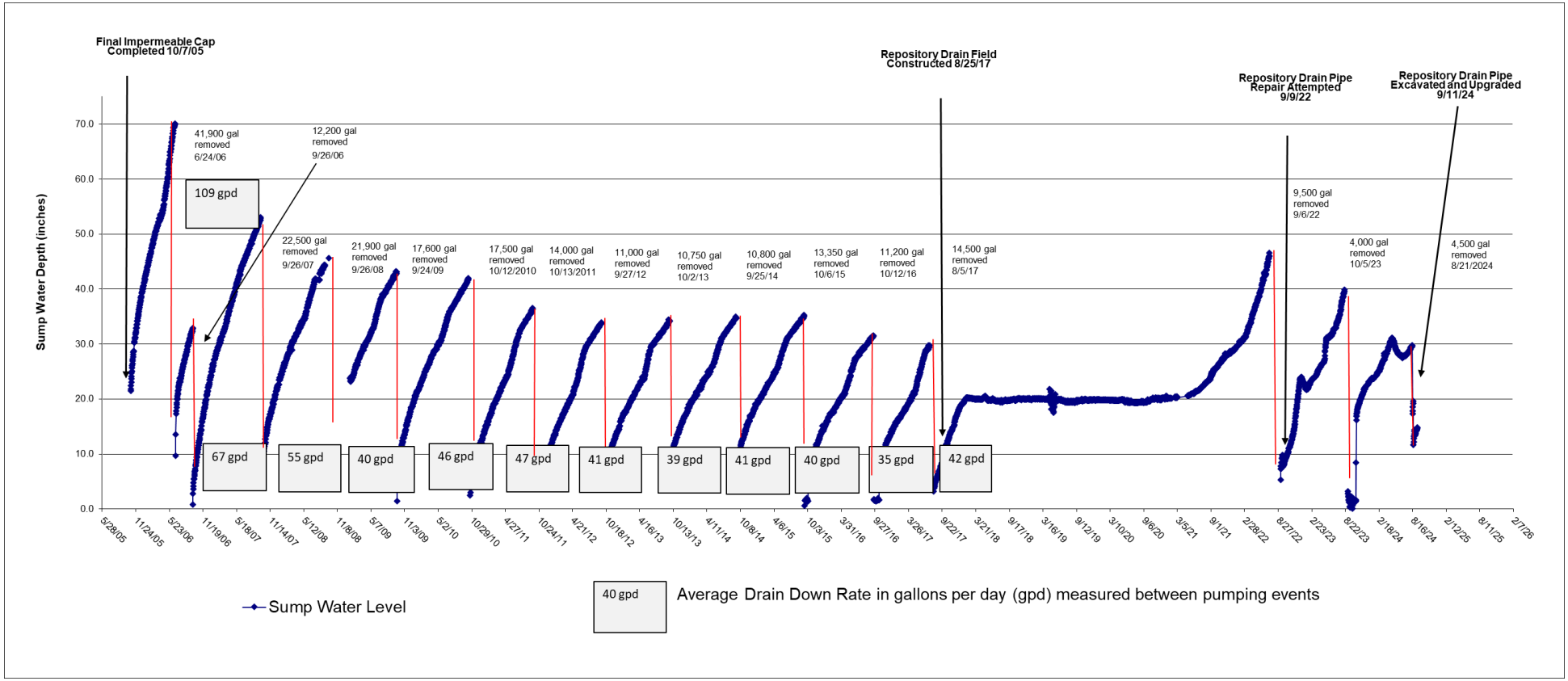


Figure 8. Repository Sump Water Level History from 2002 to 2024.

APPENDIX B – DATA SUMMARY TABLES

TABLE 1
SURFACE WATER MONITORING STATIONS

Site Name	Location	Monitoring Objective
Daisy Creek Drainage		
DCT-8	Daisy Cr. tributary south of McLaren Pit	Measures contribution of impacts from McLaren capped area to Daisy Creek.
DC-2	Daisy Creek below confluence of McLaren tributaries	Temporary water quality standard required monitoring station.
DC-5*	Daisy Creek above confluence with Stillwater River	Temporary water quality standard required monitoring station
SW-7*	Stillwater River at Stillwater Trail Crossing	Temporary water quality standard required monitoring station
Fisher Creek Drainage		
FCT-11	Tributary below Como Basin	Measures contribution of impacts from Como Basin capped area to Fisher Creek
SW-3	Fisher Creek below former Glengarry Adit	Temporary water quality standard required monitoring station
SW-4	Fisher Creek at Lulu Pass Road Crossing	Temporary water quality standard required monitoring station
CFY-2*	Fisher Creek above Clarks Fork confluence	Temporary water quality standard required monitoring station
Clarks Fork River Drainage		
SW-6	Clarks Fork Yellowstone River at Saw Mill Road	Temporary water quality standard required monitoring station
Soda Butte Creek Drainage		
SBMS-US	Soda Butte Creek above confluence with Miller Creek	Measures water quality in Soda Butte Creek above McLaren tailings and mill-site, and above junction with Miller Creek.
SBC-2	Soda Butte Creek below McLaren Tailings	Measures water quality in Soda Butte Creek below McLaren tailings and mill-site, and below junction with Miller Creek.
SBC-4	Soda Butte Creek at Park Boundary	Measures water quality at the Park Boundary

* Indicates stations where temporary water quality standards applied prior to 2019.

TABLE 2
GROUNDWATER MONITORING STATIONS

Well No.	Year Installed	Completion Formation	Monitoring Objective
Repository Sump	2002	Within Waste Repository	Monitor conditions and fluid level within Repository.
SBGW-107T	1999	Glacial Till	Monitor for impacts from Repository within glacial till aquifer.
SBGW-107	1999	Granite	Monitor for impacts from Repository within bedrock aquifer.

Table 3
Daisy Creek / Stillwater River Surface Water Quality Comparison to Standards
(Water Quality Stations with Narrative or Temporary Standards)

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Narrative Water Quality Standard[1]**	**DC-2 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**28.4**	1.94	10.5
Cadmium	0.00213[3]	0.00027[3]	0.005	**0.009**	0.0003	0.0027
Copper	0.0140[3]	0.0093[3]	1.3	**8.064**	0.252	2.12
Iron	NA	1	NA	**29.649**	3.32	8.82
Lead	0.082[3]	0.0032[3]	0.015	**0.018**	0.012	0.002
Manganese	NA	NA	NA	**4.088**	0.162	1.38
Zinc	0.1198[3]	0.1198[3]	2	**1.104**	0.05	0.42
pH (s.u.)	NA	NA	NA	**> 2.7**	6.58	4.56
Flow (cfs)	NA	NA	NA	**NA**	13.6	0.17

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Temporary Water Quality Standard[1]**	**DC-5 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**9.510**	0.89	2.12
Cadmium	0.00213[3]	0.00027[3]	0.005	**0.004**	0.0001	0.0006
Copper	0.0140[3]	0.0093[3]	1.3	**3.530**	0.103	0.461
Iron	NA	1	NA	**6.830**	1.05	1.83
Lead	0.082[3]	0.0032[3]	0.015	**NA**	0.003	< 0.001
Manganese	NA	NA	NA	**1.710**	0.056	0.302
Zinc	0.1198[3]	0.1198[3]	2	**0.540**	0.02	0.10
pH (s.u.)	NA	NA	NA	**> 4.6**	7.46	7.34
Flow (cfs)	NA	NA	NA	**NA**	24.3	0.20

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Temporary Water Quality Standard[1]**	**SW-7 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**0.670**	0.12	< 0.05
Cadmium	0.00213[3]	0.00027[3]	0.005	**NA**	< 0.0001	< 0.0001
Copper	0.0140[3]	0.0093[3]	1.3	**0.200**	0.007	0.003
Iron	NA	1	NA	**1.320**	0.17	0.43
Lead	0.082[3]	0.0032[3]	0.015	**0.013**	< 0.001	< 0.001
Manganese	NA	NA	NA	**0.086**	0.011	0.190
Zinc	0.1198[3]	0.1198[3]	2	**0.049**	< 0.01	< 0.01
pH (s.u.)	NA	NA	NA	**> 5.5**	6.89	6.92
Flow (cfs)	NA	NA	NA	**NA**	75.6	1.28

NOTES: Shading/coloring indicates exceedance of respectively shaded/colored regulatory standard.
Metal standards are based on total recoverable concentrations except for aluminum.

NA = not applicable; s.u. = standard units; cfs = cubic feet per second
< = Analyte not detected above laboratory Practical Quantitation Limit.

[1] = Narrative Water and Temporary Water Quality Standards expired in 2019. They are included in tables for reference only.
[2] = Aluminum standard applies to dissolved concentrations in water with a pH between 6.5 to 9.0 s.u. Aluminum is measured as Total Recoverable at the New World site and therefore these data are not comparable to standards. Data provided for reference only.
[3] = Based on 100 mg/l hardness.

Table 4
Fisher Creek / Clarks Fork River Surface Water Quality Comparison to Standards
(Water Quality Stations with Narrative or Temporary Standards)

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Narrative Water Quality Standard[1]**	**SW-3 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**4.54**	0.70	2.56
Cadmium	0.001054[3]	0.000162[3]	0.005	**0.002**	0.0002	0.0007
Copper	0.0073[3]	0.00516[3]	1.3	**1.256**	0.242	0.612
Iron	NA	1	NA	**9.259**	0.94	2.19
Lead	0.0338[3]	0.0013[3]	0.015	**0.01**	< 0.001	0.001
Manganese	NA	NA	NA	**1.718**	0.104	0.561
Zinc	0.067[3]	0.067[3]	2	**0.225**	0.03	0.11
pH (s.u.)	NA	NA	NA	**> 2.1**	5.27	3.63
Flow (cfs)	NA	NA	NA	**NA**	5.1	0.25

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Narrative Water Quality Standard[1]**	**SW-4 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**0.470**	0.14	< 0.05
Cadmium	0.001054[3]	0.000162[3]	0.005	**NA**	0.0001	0.0002
Copper	0.0073[3]	0.00516[3]	1.3	**0.110**	0.048	0.050
Iron	NA	1	NA	**0.750**	0.16	0.02
Lead	0.0338[3]	0.0013[3]	0.015	**0.002**	< 0.001	< 0.001
Manganese	NA	NA	NA	**0.082**	0.021	0.031
Zinc	0.067[3]	0.067[3]	2	**0.044**	0.01	0.03
pH (s.u.)	NA	NA	NA	**> 5.7**	6.35	6.06
Flow (cfs)	NA	NA	NA	**NA**	39.2	1.16

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Temporary Water Quality Standard[1]**	**CFY-2 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**0.470**	0.06	< 0.05
Cadmium	0.001054[3]	0.000162[3]	0.005	**NA**	< 0.0001	< 0.0001
Copper	0.0073[3]	0.00516[3]	1.3	**0.110**	0.025	0.005
Iron	NA	1	NA	**0.750**	0.06	< 0.01
Lead	0.0338[3]	0.0013[3]	0.015	**0.002**	< 0.001	< 0.001
Manganese	NA	NA	NA	**0.082**	0.009	< 0.003
Zinc	0.067[3]	0.067[3]	2	**0.044**	< 0.01	< 0.01
pH (s.u.)	NA	NA	NA	**> 5.7**	6.35	6.37
Flow (cfs)	NA	NA	NA	**NA**	41.0	1.44

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	**Narrative Water Quality Standard[1]**	**SW-6 (Total Recoverable)**	
					June 2024	Sept. 2024
	Milligrams per Liter					
Aluminum[2]	0.75	0.087	NA	**0.763**	0.06	< 0.05
Cadmium	0.001054[3]	0.000162[3]	0.005	**0.03472**	< 0.0001	< 0.0001
Copper	0.0073[3]	0.00516[3]	1.3	**0.076**	0.014	0.003
Iron	NA	1	NA	**1.132**	0.06	< 0.01
Lead	0.0338[3]	0.0013[3]	0.015	**NA**	< 0.001	< 0.001
Manganese	NA	NA	NA	**0.03415**	0.007	0.003
Zinc	0.067[3]	0.067[3]	2	**0.11032**	< 0.01	< 0.01
pH (s.u.)	NA	NA	NA	**> 5.7**	6.47	6.58
Flow (cfs)	NA	NA	NA	**NA**	90.8	2.50

NOTES: Shading/coloring indicates exceedance of respectively shaded/colored regulatory standard.
Metal standards are based on total recoverable concentrations except for aluminum.

NA = not applicable; s.u. = standard units; cfs = cubic feet per second; THTG = too hazardous to gage
< = Analyte not detected above laboratory Practical Quantitation Limit.

[1] = Narrative Water and Temporary Water Quality Standards expired in 2019. They are included in tables for reference only.
[2] = Aluminum standard applies to dissolved concentrations in water with a pH between 6.5 to 9.0 s.u. Aluminum is measured as Total Recoverable at the New World site and therefore these data are not comparable to standards. Data provided for reference only.
[3] = Based on 50 mg/l hardness.

Table 5
Soda Butte Creek Surface Water Quality Comparison to Standards
(No Narrative or Temporary Water Quality Standards)

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	SBMS-US (Total Recoverable)	
				June 2024	Sept. 2024
	Milligrams per Liter				
Aluminum[3]	0.75	0.087	NA	< 0.05	< 0.05
Cadmium	0.00213[2]	0.00027[2]	0.005	< 0.0001	< 0.0001
Copper	0.0140[2]	0.0093[2]	1.3	< 0.001	< 0.001
Iron	NA	1	NA	0.03	0.01
Lead	0.082[2]	0.0032[2]	0.015	< 0.001	< 0.001
Manganese	NA	NA	NA	< 0.003	< 0.003
Zinc	0.1198[2]	0.1198[2]	2	<0.01	<0.01
pH (s.u.)	NA	NA	NA	8.09	8.08
Flow (cfs)	NA	NA	NA	6.0	1.04

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	SBC-2 (Total Recoverable)	
				June 2024	Sept. 2024
	Milligrams per Liter				
Aluminum[3]	0.75	0.087	NA	< 0.05	< 0.05
Cadmium	0.00213[2]	0.00027[2]	0.005	< 0.0001	< 0.0001
Copper	0.0140[2]	0.0093[2]	1.3	0.007	0.001
Iron	NA	1	NA	0.06	< 0.01
Lead	0.082[2]	0.0032[2]	0.015	< 0.001	< 0.001
Manganese	NA	NA	NA	< 0.003	< 0.003
Zinc	0.1198[2]	0.1198[2]	2	<0.01	<0.01
pH (s.u.)	NA	NA	NA	7.75	7.91
Flow (cfs)	NA	NA	NA	23.6	1.29

Parameter	Acute Aquatic Life	Chronic Aquatic Life	Human Health	SBC-4 (Total Recoverable)	
				June 2024	Sept. 2024
	Milligrams per Liter				
Aluminum[3]	0.75	0.087	NA	0.47	0.32
Cadmium	0.001054[3]	0.000162[3]	0.005	< 0.0001	< 0.0001
Copper	0.0073[3]	0.00516[3]	1.3	0.002	0.001
Iron	NA	1	NA	0.62	0.58
Lead	0.0338[3]	0.0013[3]	0.015	< 0.001	< 0.001
Manganese	NA	NA	NA	0.012	0.007
Zinc	0.067[3]	0.067[3]	2	< 0.01	< 0.01
pH (s.u.)	NA	NA	NA	7.57	7.92
Flow (cfs)	NA	NA	NA	282	10.99

NOTES: Shading/coloring indicates exceedance of respectively shaded/colored regulatory standard.
Metal standards are based on total recoverable concentrations except for aluminum.

NA = not applicable; s.u. = standard units; cfs = cubic feet per second
< = Analyte not detected above laboratory Practical Quantitation Limit.

[1] = Aluminum standard applies to dissolved concentrations in water with a pH between 6.5 to 9.0 s.u. Aluminum is measured as Total Recoverable at the New World site and therefore these data are not comparable to standards. Data provided for reference only.
[2] = Based on 100 mg/l hardness (stations SBMS-US and SBC-2).
[3] = Based on 50 mg/L hardness (station SBC-4).

TABLE 6
SURFACE WATER AND GROUNDWATER QA/QC SAMPLES

Monitoring Event	QA/QC Sample	Sample Designation
June 26, 2024	Surface Water Field Duplicate	SW-3X
September 17, 2024	Surface Water Field Duplicate	SW-3X

APPENDIX C – SURFACE WATER DATA

TABLE C-1
2024 SURFACE WATER SUMMARY
NEW WORLD MINING DISTRICT RESPONSE AND RESTORATION PROJECT

Station Name	Sample Date	Flow Rate (cfs)	Anions (mg/L)			Total Recoverable Metals (mg/L)						
			Sulfate	Field SC (umhos/ cm)	Field pH (s.u.)	Aluminum	Cadmium	Copper	Iron	Lead	Manganese	Zinc
Drainage: Clarks Fork												
RR-SW-6	6/26/2024	91	14	50	6.47	0.06	<0.0001	0.014	0.06	<0.001	0.007	<0.01
RR-SW-6	9/17/2024	3	21	88	6.58	<0.05	<0.0001	0.003	<0.01	<0.001	0.003	<0.01
Drainage: Daisy Creek / Stillwater River												
RR-SW-7	6/25/2024	75.6	5	86	6.89	0.12	<0.0001	0.007	0.17	<0.001	0.011	<0.01
RR-SW-7	9/16/2024	1.3	16	190	6.92	<0.05	<0.0001	0.003	0.43	<0.001	0.190	<0.01
RR-DC-5	6/25/2024	24.3	27	127	7.46	0.89	0.0001	0.103	1.05	0.003	0.056	0.02
RR-DC-5	9/16/2024	0.2	152	367	7.34	2.12	0.001	0.461	1.83	<0.001	0.302	0.10
RR-DC-2	6/25/2024	13.6	51	115	6.58	1.94	0.000	0.252	3.32	0.012	0.162	0.05
RR-DC-2	9/16/2024	0.2	273	446	4.56	10.50	0.003	2.120	8.82	0.002	1.38	0.42
RR-DCT-8	6/25/2024	0.60	126	268	3.47	6.72	0.001	1.160	6.80	0.001	0.330	0.15
RR-DCT-8	9/16/2024	0.01	500	933	2.92	26.40	0.006	5.560	29.30	0.005	2.81	0.94
Drainage: Fisher Creek												
RR-CFY-2	6/26/2024	41.00	24	8	6.35	0.06	<0.0001	0.025	0.06	<0.001	0.009	<0.01
RR-CFY-2	9/17/2024	1.44	29	96	6.37	<0.05	<0.0001	0.005	<0.01	<0.001	<0.003	<0.01
RR-FCT-11	6/27/2024	0.50	53	112	6.37	0.73	0.0001	0.263	2.95	<0.001	0.211	0.02
RR-FCT-11	9/16/2024	0.01	226	406	4.21	1.44	0.0002	0.146	27	<0.001	1.70	0.13
RR-SW-3	6/26/2024	5.10	34	71	5.27	0.70	0.0002	0.24	0.94	<0.001	0.104	0.03
RR-SW-3X	6/27/2023	6.40	34	87	5.25	0.74	0.0002	0.248	0.95	<0.001	0.102	0.02
RR-SW-3	9/17/2024	0.25	97	222	3.63	2.56	0.0007	0.612	2.19	0.001	0.56	0.11
RR-SW-3X	9/17/2024	0.25	96	222	3.63	2.48	0.0007	0.601	2.08	0.001	0.532	0.11
RR-SW-4	6/26/2024	39.20	30	81	6.35	0.14	0.0001	0.048	0.16	<0.001	0.021	0.01
RR-SW-4	9/17/2024	1.16	50	133	6.06	<0.05	0.0002	0.050	0.02	<0.001	0.031	0.03
Drainage: Soda Butte Creek												
RR-SBC-2	6/27/2023	23.6	15	149	7.75	<0.05	<0.0001	0.007	0.1	<0.001	<0.003	<0.01
RR-SBC-2	9/17/2024	1.3	16	240	7.91	<0.05	<0.0001	0.001	<0.01	<0.001	<0.003	<0.01
RR-SBC-4	6/26/2024	282	3	79	7.57	0.47	<0.0001	0.002	0.62	<0.001	0.012	<0.01
RR-SBC-4	9/17/2024	10.99	7	173	7.92	0.32	<0.0001	0.001	0.58	<0.001	0.007	<0.01
RR-SBMS-US	6/26/2024	6.0	7	188	8.09	<0.05	<0.0001	<0.001	0.03	<0.001	<0.003	<0.01
RR-SBMS-US	9/17/2024	1.0	6	219	8.08	<0.05	<0.0001	<0.001	0.01	<0.001	<0.003	<0.01
Drainage: Stillwater												
RR-SW-7	6/25/2024	75.6	5	86	6.89	0.12	<0.0001	0.007	0.17	<0.001	0.011	<0.01
RR-SW-7	9/16/2024	1.3	16	190	6.92	<0.05	<0.0001	0.003	0.43	<0.001	0.190	<0.01

Notes: cfs- Cubic feet per second
SC- Specific Conductivity
s.u.- Standard units
mg/L- Milligrams per liter
X- Field duplicate
umhos/cm - Micromhos per centimeter
*- Automated Flow measurement provided by USGS
< . Indicates analyte not detected above method detection limit (MDL)

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L	Cd mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Mn mg/L	Zn mg/L
Daisy Creek and Stillwater River										
DCT-8	15-Jun-94	Hydrometrics	0.286	36.5	0.0067	J 12	53	0.005	3.26	J 0.919
DCT-8	26-Jul-94	Hydrometrics	0.0438	56	0.0133	20.4	52.2	0.011	6.36	2.22
DCT-8	10-Aug-94	Hydrometrics	0.059	56.8	0.015	20.2	135	0.18	6.34	1.75
DCT-8	22-Aug-94	Hydrometrics	0.0336	83.8	0.019	27.3	149	0.19	8.75	2.24
DCT-8	23-Aug-94	Hydrometrics	0.029	69.9	0.018	25.7	91.4	0.006	8.35	2.17
DCT-8	20-Sep-94	Hydrometrics	0.0178	73	0.019	26.3	81.5	0.008	8.36	J 2.58
DCT-8	13-Oct-94	Hydrometrics	0.0212							
DCT-8	26-Sep-95	Hydrometrics	0.039	66.6	0.017	23.2	74.8	0.006	7.38	2.39
DCT-8	09-Jul-96	Hydrometrics	1.91	J 16.2	0.0026	5.59	27.8	0.018	1.3	0.5
DCT-8	10-Sep-96	Hydrometrics	0.044	53.2	0.0135	19.4	76.2	0.007	5.83	1.98
DCT-8	09-Jul-97	UOS Data	1.12	14.6	< 0.005	4.35	20.8	< 0.003	1.08	0.41
DCT-8	09-Jul-03	Maxim	0.028	27.1	0.0049	7.76	19.9	0.006	3.04	0.78
DCT-8	01-Oct-03	Maxim	0.033	44.5	0.011	13.4	35.4	0.009	5.98	1.87
DCT-8	29-Jun-04	Maxim	1.28	8.86	0.0023	2.4	24.4	0.008	0.82	0.36
DCT-8	11-Aug-04	Maxim	0.11	28.7	0.0074	8.86	42	0.009	2.84	1.16
DCT-8	06-Oct-04	Maxim	0.022	28.7	0.0091	9.33	39.8	0.008	3.44	1.3
DCT-8	29-Jun-05	Maxim	1.31	10.2	0.0029	2.88	18.2	0.005	0.88	0.42
DCT-8	27-Sep-05	Maxim	0.0415	33.2	0.01	9.54	53.9	0.012	4.01	1.36
DCT-8	27-Jun-06	Maxim	0.69	11.4	0.0018	2.87	16.4	0.003	0.8	0.34
DCT-8	27-Sep-06	Maxim	0.022	30.3	0.0082	8.81	43.7	0.005	3.84	1.18
DCT-8	13-Jun-07	Tetra Tech	1.55	6.4	0.0015	1.6	11.1	0.002	0.5	0.2
DCT-8	18-Jul-07	Tetra Tech	0.104	28	0.0055	6.77	37.1	0.005	2.34	0.89
DCT-8	18-Sep-07	Tetra Tech	0.051	33.9	0.0096	10.2	52.9	0.006	4.49	1.46
DCT-8	15-Jul-08	Tetra Tech	0.974	8.37	0.0017	1.98	10.1	0.002	0.62	0.27
DCT-8	12-Aug-08	Tetra Tech	0.135							
DCT-8	24-Sep-08	Tetra Tech	0.13	29	0.0078	7.8	33.1	JF% 0.006	3.51	1.17
DCT-8	24-Jun-09	Tetra Tech	1.88	6.5	0.0014	1.6	8.8	0.002	0.49	0.21
DCT-8	28-Sep-09	Tetra Tech	0.0243	27.1	0.0076	6.9	36.6	0.0059	3.5	1.2
DCT-8	28-Sep-10	Tetra Tech	0.0278	27	0.0077	7.3	37	0.0052	3.3	1.2
DCT-8	26-Jul-11	Tetra Tech	1.32	8.7	0.0015	2.1	JF 10.4	0.0027	0.69	0.23
DCT-8	27-Sep-11	Tetra Tech	0.048	27.9	0.0064	6.8	34.1	0.0061	3	1
DCT-8	26-Jun-12	Tetra Tech	4.03	4.3	0.00084	1	6.5	0.0027	0.3	0.13
DCT-8	25-Sep-12	Tetra Tech	0.0353	27.8	0.0083	7.7	40	0.0052	3.8	1.2
DCT-8	26-Jun-13	Tetra Tech	1.2	8.3	0.0014	1.7	9.2	0.0018	0.52	0.22
DCT-8	23-Sep-13	Tetra Tech	0.005	26.1	0.0065	5.8	28.2	0.0052	2.9	0.95
DCT-8	08-Jul-14	Tetra Tech	2.0	6.02	0.00116	1.180	7.56	JF% 0.0020	0.387	0.150
DCT-8	16-Sep-14	Tetra Tech	0.07	22.40	0.00500	4.88	22.2	0.0049	2.13	0.652
DCT-8	23-Jun-15	Tetra Tech	0.7	10.4	0.00184	2.03	10.2	JF% 0.0024	0.62	0.248
DCT-8	14-Sep-15	Tetra Tech	0.04	23.50	0.00609	5.44	28.9	J 0.006	2.63	0.9
DCT-8	21-Jun-16	Tetra Tech	1	8.97	0.00134	1.62	9.61	0.0022	0.466	0.213
DCT-8	19-Sep-16	Tetra Tech	0.02	23.7	0.00649	5.26	29.4	0.0047	2.43	0.838
DCT-8	01-Aug-17	Tetra Tech	0.09	21.8	0.00369	3.9	18.6	0.005	1.44	0.57
DCT-8	12-Jul-18	Tetra Tech	0.59	13.3	0.00179	2.17	8.09	0.0028	0.699	0.272
DCT-8	26-Sep-18	Tetra Tech	0.04	25.2	0.00607	5.24	26.0	0.004	2.86	1.0
DCT-8	19-Jul-19	Tetra Tech	0.39	15.1	0.00261	2.73	12.7	0.003	0.892	0.370
DCT-8	25-Sep-19	Tetra Tech	0.10	15.5	0.00306	2.72	11.2	0.0034	1.21	.394
DCT-8	08-Jul-20	Tetra Tech	0.42	16.5	0.0022	2.48	13.5	0.003	0.819	0.35
DCT-8	23-Sep-20	Tetra Tech	<0.01	27.9	0.0066	5.8	27.7	0.005	2.88	0.92
DCT-8	30-Jun-21	Tetra Tech	0.26	21.6	0.0026	3.14	15.5	0.003	0.96	0.42
DCT-8	22-Sep-21	Tetra Tech	0.02	26.9	0.0057	4.91	20.9	0.005	2.8	0.92
DCT-8	30-Jun-21	Tetra Tech	0.26	21.6	0.0026	3.14	15.5	0.003	0.96	0.42
DCT-8	22-Sep-21	Tetra Tech	0.02	26.9	0.0057	4.91	20.9	0.005	2.8	0.92
DCT-8	12-Jul-22	Tetra Tech	1.20	8.74	0.0013	1.6	8.7	0.002	0.459	0.21
DCT-8	20-Sep-22	Tetra Tech	0.05	29	0.0055	5.55	28.4	0.005	2.75	0.86
DCT-8	26-Jun-23	Tetra Tech	0.63	10.5	0.0016	1.89	10.8	0.002	0.588	0.26
DCT-8	18-Sep-23	Tetra Tech	0.04	26.1	0.0066	5.52	29.4	0.005	2.88	0.96
DCT-8	25-Jun-24	Tetra Tech	0.60	6.72	0.0010	1.16	6.80	0.001	0.330	0.15
DCT-8	16-Sep-24	Tetra Tech	0.01	26.4	0.0062	5.56	29.3	0.005	2.81	0.94
DC-2	03-Oct-89	Hydrometrics	0.2		< 0.001	7.89	28.26		3.37	1.03
DC-2	12-Jul-90	Hydrometrics	4.39	7.2	0.005	2.74	17.9		0.71	0.31
DC-2	15-Jun-94	Hydrometrics	2.86	9	0.0021	J 2.64	10.4	0.003	1.08	J 0.332
DC-2	26-Jul-94	Hydrometrics		16.4	0.0054	5.32	15.8	0.009	2.57	0.667
DC-2	22-Aug-94	Hydrometrics		28.6	0.0076	8.26	41.8	0.024	3.65	0.904
DC-2	23-Aug-94	Hydrometrics		23.9	0.0074	7.27	20.4	0.006	3.43	0.886
DC-2	20-Sep-94	Hydrometrics		25	0.0076	7.44	23.6	0.004	3.59	J 1.2
DC-2	26-Sep-95	Hydrometrics	0.194	22	0.0052	6.33	16.2	0.005	2.99	0.894
DC-2	21-May-96	Hydrometrics	0.467	8.3	0.0027	1.91	5.55	0.004	1.12	0.43
DC-2	30-May-96	Hydrometrics	1.116	6.9	0.0019	1.62	5.52	0.004	0.785	0.31
DC-2	05-Jun-96	Hydrometrics	2.79	7	0.0014	1.83	19.3	0.008	0.629	0.24
DC-2	12-Jun-96	Hydrometrics	10.8			1.25	J 10.7			J 0.21
DC-2	18-Jun-96	Hydrometrics	14.33	5	0.0012	1.44	9.69	< 0.003	0.481	0.19
DC-2	26-Jun-96	Hydrometrics	11.3			1.52	8.54			0.19
DC-2	02-Jul-96	Hydrometrics	13.79			1.38	6.76			J 0.24
DC-2	09-Jul-96	Hydrometrics	15.48	J 4.2	0.0008	1.11	8.05	0.01	0.379	0.15
DC-2	18-Jul-96	Hydrometrics	4.937			2.23	8			0.33
DC-2	25-Jul-96	Hydrometrics	1.175			2.7	9.84			0.39
DC-2	21-Aug-96	Hydrometrics	0.138			4.74	15.4			0.64
DC-2	10-Sep-96	Hydrometrics	0.18	20.2	0.0058	6.22	15.6	0.006	2.72	0.89
DC-2	09-Jul-97	UOS Data	10.81	3.27	< 0.005	0.876	5.32	< 0.003	0.304	0.129
DC-2	30-Mar-98	UOS Data	0.13	12.3		2.69	12.8		2.14	0.688
DC-2	22-Apr-98	UOS Data	0.072	12.1		2.66	11.2		1.95	0.589
DC-2	04-May-98	UOS Data	0.699	5.4		1.23	6.43		0.574	0.162
DC-2	29-May-98	UOS Data	2.67	5.34		1.47	10		0.592	0.22
DC-2	06-May-99	Maxim	0.028	9.2	0.0038	1.94	16	0.006	1.61	0.51
DC-2	08-Jul-99	Maxim	9.46	3.7	0.0012	1.07	4.83	0.002	0.37	0.15
DC-2	29-Sep-99	Maxim	0.464	12.4	0.0044	3.98	13.6	0.002	1.93	JF% 0.6
DC-2	08-Jul-99	Maxim	9.46	3.7	0.0012	1.07	4.83	0.002	0.37	0.15
DC-2	19-May-00	Maxim	1.093							
DC-2	19-May-00	Maxim	1.082							
DC-2	19-May-00	Maxim	1.174							
DC-2	20-May-00	Maxim	1.57			1.44				0.19
DC-2	20-May-00	Maxim	1.65							
DC-2	20-May-00	Maxim	1.57			1.42				0.19
DC-2	20-May-00	Maxim	1.53							

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L		Cd mg/L		Cu mg/L		Fe mg/L		Pb mg/L		Mn mg/L		Zn mg/L	
DC-2	20-May-00	Maxim	1.61						1.89								0.26
DC-2	20-May-00	Maxim	2.05														
DC-2	20-May-00	Maxim	2.61		5.5		0.0011		1.34		14.4		0.007		0.6		0.17
DC-2	14-Jun-00	Maxim	5.16						1.59								0.24
DC-2	14-Jun-00	Maxim	7.66		4.7		0.0014		1.43		8.26		0.002		0.5		0.2
DC-2	14-Jun-00	Maxim	6.07						1.64								0.24
DC-2	14-Jun-00	Maxim	6.44						1.61								0.22
DC-2	09-Jul-00	Maxim	2.4	JF%	6.1		0.0019	JF%	2.01	JF%	8.55		0.003	JF%	0.72	JF%	0.26
DC-2	09-Jul-00	Maxim	2.83					JF%	2.04							JF%	0.28
DC-2	09-Jul-00	Maxim	3.35					JF%	1.75							JF%	0.26
DC-2	09-Jul-00	Maxim	3.5					JF%	1.59							JF%	0.23
DC-2	09-Oct-00	Maxim	0.2		14		0.0045		3.77	JF%	6.54		0.007		2.23		0.54
DC-2	20-Apr-01	Maxim	0.15		11.1		0.0037		2.2		10.8		0.004		1.66		0.37
DC-2	29-Jun-01	Maxim	3.217		5.5		0.0017		1.34		10.3	JF%	0.022		0.63		0.29
DC-2	10-Oct-01	Maxim	0.17		17.1		0.0054		4.15		14.5		0.007		2.62		0.79
DC-2	25-Apr-02	Maxim	0.31		10.8		0.0038		2.2		12.1		0.003		1.91		0.6
DC-2	02-Jul-02	Maxim	5	JF	6.2		0.0016		1.59		8.1		0.002		0.57	JF%	0.25
DC-2	18-Sep-02	Maxim			17.6		0.0047		4.13		15.5		0.006		2.31		0.64
DC-2	26-Sep-02	Maxim			14.3		0.0053		4.65		10.1		0.005		2.21		0.64
DC-2	09-Oct-02	Maxim	0.381		13.7		0.0038		2.92		11.8		0.01		1.91	JF%	0.54
DC-2	22-Apr-03	Maxim	0.19		7.85		0.0038		2.14		8.79		0.005		1.62		0.45
DC-2	11-Jul-03	Maxim	2.36		6.17		0.0019		1.92		4.86		0.003		0.88		0.25
DC-2	31-Jul-03	Maxim			13.1		0.0032		3.57		12.2		0.005		1.83	JF%	0.57
DC-2	14-Aug-03	Maxim			15.9		0.0044		4.46		14.4		0.007		2.25		0.63
DC-2	21-Aug-03	Maxim			15.3		0.0048		4.37		13.3		0.007		2.29		0.65
DC-2	22-Aug-03	Maxim			19.2		0.0051		4.35		21.4		0.008		2.81		0.87
DC-2	08-Sep-03	Maxim			18.5		0.0046		5.03		19.4		0.013		2.8		0.81
DC-2	29-Sep-03	Maxim	0.066		12.5		0.0043		3.63		8.69		0.005		2.5		0.76
DC-2	06-Apr-04	Maxim	0.181		10.1		0.0036		2.15		5.94		0.005		1.67	JF%	0.5
DC-2	29-Jun-04	Maxim	9.56		2.97		0.0007		0.58		4.16		0.003		0.31		0.1
DC-2	11-Aug-04	Maxim	0.36		9.38		0.0032		2.79		11.1		0.004		1.44		0.45
DC-2	06-Oct-04	Maxim	0.53		6.58		0.0024		1.9		7.36		0.002		1.25		0.35
DC-2	06-Apr-05	Maxim	0.05		11.6		0.0046		2.49		15.5		0.003		2.25	JF%	0.84
DC-2	29-Jun-05	Maxim	6.8		2.37		0.0008		0.31		3.42		0.002		0.31		0.14
DC-2	27-Sep-05	Maxim	0.19		13.2		0.0035		2.57		12.1		0.006		1.82		0.51
DC-2	25-Apr-06	Maxim	0.08		9.15		0.003		1.54		10.2		0.002		1.95		0.5
DC-2	27-Jun-06	Maxim	5.19		3.12		0.0005		0.69		3.38		0.002		0.34		0.1
DC-2	27-Sep-06	Maxim	0.14		12.4		0.0043		3.17		7.78		0.004		2.14		0.55
DC-2	11-Apr-07	Tetra Tech	0.05		8.3		0.0036		1.44		12		0.003		1.76		0.46
DC-2	13-Jun-07	Tetra Tech	10.2		3.7		0.0004		0.41		5.36		0.009		0.23		0.07
DC-2	18-Jul-07	Tetra Tech	0.507		8.9		0.0023		2.2		10.2		0.002		1.12		0.34
DC-2	18-Sep-07	Tetra Tech	0.154		13.4		0.0042		3.58		12.9		0.004		2.37		0.61
DC-2	17-Apr-08	Tetra Tech	0.022		8.53		0.0035		1.79		13.3		0.003		1.93		0.5
DC-2	15-Jul-08	Tetra Tech	9.229		2.3		0.0005		0.52		2.32		0.002		0.29		0.08
DC-2	24-Sep-08	Tetra Tech	0.395		14.1		0.004		3.54		10.3	JF%	0.005		2.12		0.56
DC-2	08-Apr-09	Tetra Tech	0.0052		8.9		0.0036		2.5		12		0.0025		2.7		0.67
DC-2	24-Jun-09	Tetra Tech	12.5		2.3		0.00043		0.39		3.2		0.0046		0.22		0.069
DC-2	06-Jul-09	Tetra Tech	4.14		4.9		0.00077		0.85		7.8		0.0086		0.42		0.13
DC-2	28-Sep-09	Tetra Tech	0.0852		10.1		0.0036		2.6		7.4		0.0036		2.1		0.51
DC-2	07-Apr-10	Tetra Tech	0.106	JF%	9.1		0.0036		1.8		13.7		0.0024		2		0.51
DC-2	28-Sep-10	Tetra Tech	0.0764		11.7		0.0033		2.7		34.3		0.036		1.8		0.42
DC-2	21-Apr-11	Tetra Tech	0.0422		8.5		0.0035		1.8		12.6		0.0024		1.9		0.5
DC-2	26-Jul-11	Tetra Tech	5.88		2.4		0.00054		0.56	JF	2.4		0.0011		0.28		0.084
DC-2	27-Sep-11	Tetra Tech	0.23		12.8		0.0039		3.2		10.6		0.0033		1.9		0.54
DC-2	26-Jun-12	Tetra Tech	29.6		2.6		0.00028		0.3		7.8		0.018		0.18		0.054
DC-2	25-Sep-12	Tetra Tech	0.06		12.5		0.0041		3.3		13.2		0.0027		2.1		0.58
DC-2	26-Jun-13	Tetra Tech	7.68		2.1		0.00047		0.4		2.3		0.0012		0.19		0.065
DC-2	23-Sep-13	Tetra Tech	0.16		11.6		0.0035		2.7		9.7		0.0047		1.8		0.52
DC-2	08-Jul-14	Tetra Tech	10.7		1.950		0.00036		0.3248		3.10	JF%	0.0049		0.1589		0.056
DC-2	16-Sep-14	Tetra Tech	0.28		7.19		0.00212		1.86		6.02		0.0018		1.080		0.286
DC-2	23-Jun-15	Tetra Tech	3.5		2.34		0.00052		0.4907		2.26		0.0011		0.1993		0.067
DC-2	14-Sep-15	Tetra Tech	0.2		6.55		0.0024		1.72		7.42	J	0.002		1.17		0.32
DC-2	21-Jun-16	Tetra Tech	6.2		2.06		0.00041		0.3994		2.07		0.0009		0.1677		0.061
DC-2	19-Sep-16	Tetra Tech	0.15		11.1		0.00324		2.38		8.53		0.0021		1.5		0.432
DC-2	26-Jun-17	Tetra Tech	8.7		1.87		0.00042		0.136		1.68		0.0009		0.192		0.063
DC-2	12-Jul-18	Tetra Tech	5.12		2.21		0.00046		0.474		1.52		0.0006		0.23		0.07
DC-2	26-Sep-18	Tetra Tech	0.22		9.65		0.00306		2.56		13.9		0.003		1.27		0.47
DC-2	19-Jul-19	Tetra Tech	2.67		2.91		0.00069		0.603		2.5		0.0007		0.287		0.095
DC-2	25-Sep-19	Tetra Tech	0.53		6.51		0.00186		1.47		4.95		0.0016		0.862		0.245
DC-2	08-Jul-20	Tetra Tech	3.63		3.25		0.0006		0.607		2.59	<	0.001		0.276		0.09
DC-2	23-Sep-20	Tetra Tech	0.1		12.3		0.0036		2.99		11.4		0.002		1.83		0.51
DC-2	30-Jun-21	Tetra Tech	1.52		3.67		0.0006		0.633		2.9	<	0.001		0.271		0.09
DC-2	22-Sep-21	Tetra Tech	0.12		7.28		0.0025		2.06		6.9		0.002		1.46		0.4
DC-2	12-Jul-22	Tetra Tech	5.84		2.42		0.0004		0.392		2.22		0.005		0.198		0.06
DC-2	20-Sep-22	Tetra Tech	0.12		11.7		0.0027		2.44		9.53		0.002		1.56		0.41
DC-2	26-Jun-23	Tetra Tech	4.8		2.55		0.0005		0.498		2.42		0.002		0.214		0.07
DC-2	18-Sep-23	Tetra Tech	0.1		11.1		0.0025		2.19		12.4		0.003		1.32		0.38
DC-2	25-Jun-24	Tetra Tech	13.6		1.94		0.0003		0.252		3.32		0.012		0.162		0.05
DC-2	16-Sep-24	Tetra Tech	0.17		10.5		0.0027		2.12		8.82		0.002		1.38		0.42
DC-5	03-Oct-89	Hydrometrics	0.37				0.003		2.54		6.88				1.16		0.4
DC-5	12-Jul-90	Hydrometrics	8.91		2.7	<	0.001		0.97		4.3				0.28		0.12
DC-5	28-Jul-93	Hydrometrics			3.2	<	0.001		1.09		4.19		0.002		0.35		0.12
DC-5	23-Sep-93	Hydrometrics	0.54		5.3		0.0023		2.17		4.68		0.002		1.2		0.36
DC-5	25-Aug-94	Hydrometrics	0.24	J	8.1		0.0027	J	2.85	J	5.7		0.002		1.23		0.42
DC-5	13-Jul-95	Hydrometrics	30.43		2		0.0005	J	0.485	J	3.8		0.003		0.18		0.062
DC-5	27-Sep-95	Hydrometrics	0.42		7.7		0.0023		2.45		2.38		0.003		1.18		0.391
DC-5	18-Jun-96	Hydrometrics	30.74		1.4		0.0004		0.346		3.12	<J	0.003		0.143		0.06
DC-5	09-Jul-96	Hydrometrics	28.14	J	1.7		0.0004		0.46		2.48	<	0.003		0.166		0.07
DC-5	10-Sep-96	Hydrometrics	0.312		7.2		0.0023		2.62		4.42	<	0.003		1.08		0.37
DC-5	06-May-99	Maxim	1.18		1.4		0.0006		0.33		0.65		0.001		0.25		0.08
DC-5	08-Jul-99	Maxim	23.83		1.2		0.0004		0.31		1.54		0.001		0.124		0.07
DC-5	29-Sep-99	Maxim	1.484		4		0.0012		1.26		2.67		0.002		0.5	JF%	0.17
DC-5	12-Apr-00	Maxim	0.429		2.9		0.0014		1.04		1.38		0.004		0.041	<	0.02
DC-5	09-Jul-00	Maxim	8.9	JF%	1.6		0.0005	JF%	0.54	JF%	2.11	<	0.001	JF%	0.19	JF%	0.07
DC-5	09-Jul-00	Maxim			2.2		0.0004		0.71		2.86	<	0.001		0.26		0.1
DC-5	09-Oct-00	Maxim	1.2		2.7		0.0046		0.61	JF%	1.3	<	0.003		0.23		0.08
DC-5	29-Jun-01	Maxim	5.107		1.8		0.0006		0.55		3.02	JF%	0.002		0.21		0.09
DC-5	10-Oct-01	Maxim	0.34		3.5		0.001		0.71		1.19		0.003		0.41		0.15
DC-5	25-Apr-02	Maxim		<	0.1		0.0004		0.024	<	0.01	<	0.001		0.16		0.04

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L	Cd mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Mn mg/L	Zn mg/L
DC-5	02-Jul-02	Maxim	12.6	JF 1.6	0.0005	0.54	2.48	0.002	0.19	JF% 0.08
DC-5	18-Sep-02	Maxim		5.9	0.0021	1.61	3.66	0.003	0.93	0.21
DC-5	26-Sep-02	Maxim		0.3	0.0004	0.079	0.25	< 0.001	0.086	0.02
DC-5	09-Oct-02	Maxim	0.74	3.7	0.001	0.76	2.07	0.003	0.45	JF% 0.15
DC-5	21-Apr-03	Maxim	0.57	2.07	0.0009	0.56	1.3	0.002	0.35	0.13
DC-5	11-Jul-03	Maxim	5.46	2.1	0.0006	0.48	1.55	0.001	0.29	0.07
DC-5	08-Sep-03	Maxim		7.84	0.0017	2.01	15.7	0.018	1.05	0.38
DC-5	29-Sep-03	Maxim	0.185	5.34	0.0012	1.44	3	0.003	0.62	0.3
DC-5	07-Apr-04	Maxim	1.197	2.18	0.0007	0.52	1.1	0.001	0.34	JF% 0.13
DC-5	29-Jun-04	Maxim	19.21	0.73	0.0002	0.16	1.23	0.001	0.1	0.04
DC-5	11-Aug-04	Maxim	0.82	3.03	0.0011	0.87	3.69	0.001	0.46	0.15
DC-5	06-Oct-04	Maxim	1.8	1.93	0.0007	0.51	2.13	< 0.001	0.33	0.11
DC-5	06-Apr-05	Maxim	0.24	2.43	0.001	0.54	1.74	0.001	0.51	JF% 0.35
DC-5	29-Jun-05	Maxim	19.26	0.7	0.0002	0.17	0.98	0.001	0.095	0.1
DC-5	27-Sep-05	Maxim	0.43	3.88	0.0015	0.97	2.61	0.004	0.73	0.22
DC-5	25-Apr-06	Maxim	0.46	0.96	0.0005	0.23	0.64	< 0.001	0.29	0.06
DC-5	27-Jun-06	Maxim	15.78	1.13	< 0.0001	0.21	1.13	< 0.001	0.11	0.04
DC-5	27-Sep-06	Maxim	0.28	2.83	0.0014	0.79	0.91	0.001	0.66	0.17
DC-5	11-Apr-07	Tetra Tech	0.432	1.23	0.0007	0.25	1.03	< 0.001	0.32	0.09
DC-5	13-Jun-07	Tetra Tech	30.7	1.39	0.0002	0.019	1.73	0.003	0.099	0.02
DC-5	18-Sep-07	Tetra Tech	0.418	4.23	0.0014	1.16	5.04	0.002	0.74	0.22
DC-5	17-Apr-08	Tetra Tech	0.25	1.19	0.0007	0.31	1.3	< 0.001	0.37	0.09
DC-5	15-Jul-08	Tetra Tech	17.66	0.89	0.0002	0.18	0.98	0.002	0.11	0.03
DC-5	24-Sep-08	Tetra Tech	0.641	6.53	0.0013	1.48	5.34	JF% 0.005	0.71	0.21
DC-5	08-Apr-09	Tetra Tech	0.0522	2.3	0.00095	0.7	1.3	0.0011	0.43	0.15
DC-5	24-Jun-09	Tetra Tech	27.9	0.81	0.00015	0.14	1	0.0019	0.077	0.026
DC-5	28-Sep-09	Tetra Tech	0.294	3.5	0.001	1	2.9	0.0019	0.42	0.18
DC-5	07-Apr-10	Tetra Tech	0.0684	JF% 1.6	0.00081	0.39	1	0.0007	0.42	0.12
DC-5	28-Sep-10	Tetra Tech	0.435	2.4	0.001	0.8	2.5	0.00085	0.52	0.14
DC-5	21-Apr-11	Tetra Tech	0.165	1.3	0.00079	0.34	1.2	0.00066	0.4	0.11
DC-5	26-Jul-11	Tetra Tech	15.8	0.77	0.00018	0.17	JF 0.75	0.0005	0.093	0.027
DC-5	27-Sep-11	Tetra Tech	0.26	3.1	0.0012	0.8	2.6	0.00092	0.54	0.16
DC-5	26-Jun-12	Tetra Tech	81.2	1.8	0.0002	0.15	3.7	0.013	0.14	0.034
DC-5	25-Sep-12	Tetra Tech	0.156	2.2	0.0011	0.61	1.9	0.00079	0.5	0.14
DC-5	26-Jun-13	Tetra Tech	21.8	0.57	0.00013	0.11	0.59	0.0009	0.056	0.024
DC-5	23-Sep-13	Tetra Tech	0.44	2.8	0.001	0.75	1.7	0.0008	0.55	0.16
DC-5	08-Jul-14	Tetra Tech	28.5	0.829 J	0.00015	0.1246	1.34	JF% 0.0021	0.0811	0.022
DC-5	16-Sep-14	Tetra Tech	0.83	1.540	0.00053	0.4146	1.46	0.0005	0.262	0.075
DC-5	23-Jun-15	Tetra Tech	7.9	0.684 J	0.00017	0.1538	0.817	J 0.0004	0.0646	0.022
DC-5	14-Sep-15	Tetra Tech	0.4	1.400	0.00062	0.38	1.62	< 0.001	0.289	0.09
DC-5	21-Jun-16	Tetra Tech	15.5	0.647 J	0.00013	0.1269	0.721	J 0.0004	0.0569	0.021
DC-5	19-Sep-16	Tetra Tech	0.3	3.67	0.0013	0.8723	3.58	0.0019	0.5117	0.183
DC-5	26-Jun-17	Tetra Tech	25.9	0.902 J	0.00013	0.0094	1.21	0.0042	0.0686	0.022
DC-5	12-Jul-18	Tetra Tech	13.91	0.711 J	0.00015	0.145	0.631	J 0.0004	0.074	0.030
DC-5	26-Sep-18	Tetra Tech	0.48	3.37	0.00093	0.91	2.63	0.001	0.324	0.17
DC-5	19-Jul-19	Tetra Tech	9.94	0.826 J	0.00019	0.165	0.732	J 0.0003	0.0814	0.029
DC-5	25-Sep-19	Tetra Tech	1.67	1.69	0.00051	0.403	1.33	0.0005	0.248	0.076
DC-5	08-Jul-20	Tetra Tech	9.68	0.96	0.0002	0.168	0.81	< 0.001	0.081	0.03
DC-5	23-Sep-20	Tetra Tech	0.21	2.15	0.0009	0.549	1.53	< 0.001	0.37	0.12
DC-5	30-Jun-21	Tetra Tech	3.9	1.02	0.0002	0.166	0.82	< 0.001	0.065	0.02
DC-5	22-Sep-21	Tetra Tech	0.33	1.84	0.0007	0.483	1.65	< 0.001	0.338	0.11
DC-5	12-Jul-22	Tetra Tech	14.17	1.21	0.0002	0.15	1.22	0.003	0.082	0.03
DC-5	20-Sep-22	Tetra Tech	0.19	2.3	0.0006	0.512	1.95	< 0.001	0.36	0.09
DC-5	26-Jun-23	Tetra Tech	16.5	0.66	0.0001	0.108	0.66	0.001	0.055	0.02
DC-5	18-Sep-23	Tetra Tech	0.4	1.72	0.0006	0.436	1.94	< 0.001	0.282	0.1
DC-5	25-Jun-24	Tetra Tech	24.3	0.89	0.0001	0.103	0.056	0.003	0.056	0.02
DC-5	16-Sep-24	Tetra Tech	0.20	2.12	0.0006	0.461	1.83	< 0.001	0.302	0.10
SW-7	28-May-90	Hydrometrics	40.3	0.1	< 0.0001	0.03	0.2	< 0.002	< 0.02	0.02
SW-7	05-Jun-90	Hydrometrics	81.11	0.4		0.11	0.99			0.02
SW-7	06-Jun-90	Hydrometrics	115.1							
SW-7	13-Jun-90	Hydrometrics	69.81	0.26		0.07	0.61			0.02
SW-7	15-Jun-90	Hydrometrics	56.3							
SW-7	20-Jun-90	Hydrometrics	97.51	0.5		0.14	0.99			0.02
SW-7	22-Jun-90	Hydrometrics	129.15							
SW-7	27-Jun-90	Hydrometrics	138.8	0.6	0.0002	0.147	1.02	< 0.002	0.05	0.03
SW-7	28-Jun-90	Hydrometrics	140.13							
SW-7	03-Jul-90	Hydrometrics	122.9	0.4		0.11	0.78		0.05	0.03
SW-7	10-Jul-90	Hydrometrics	50.2	0.3	< 0.001	0.11	0.67	< 0.01	0.04	0.04
SW-7	12-Jul-90	Hydrometrics	41.7							
SW-7	17-Jul-90	Hydrometrics	24.7	0.5		0.17	0.93			<J 0.03
SW-7	19-Jul-90	Hydrometrics	20.9							
SW-7	26-Jul-90	Hydrometrics	10.4	0.5	0.0002	0.21	1.05	0.003	0.07	0.04
SW-7	22-Aug-90	Hydrometrics	5.6							
SW-7	25-Sep-90	Hydrometrics	2.2	< 0.1	< 0.0001	0.02	0.14	< 0.002	0.05	0.02
SW-7	15-Mar-91	Hydrometrics	1.5	< 0.1	< 0.001	< 0.01	0.24	< 0.01	0.04	0.01
SW-7	06-Jun-91	Hydrometrics	157.6	0.3	< 0.0001	<J 0.06	0.74	J 0.002	0.03	0.04
SW-7	10-Jul-91	Hydrometrics	37.7	0.4	0.0001	0.18	1.2	J 0.024	0.05	0.04
SW-7	13-Aug-91	Hydrometrics	4.1	0.1	0.0002	0.034	0.15	< 0.002	0.07	0.06
SW-7	24-Sep-91	Hydrometrics	3.5	< 0.1	0.0001	0.017	0.21	< 0.002	0.06	0.01
SW-7	19-Jul-92	Hydrometrics	20	0.5	< 0.0001	0.17	0.07	< 0.002	0.07	0.03
SW-7	22-Sep-92	Hydrometrics	3.23	0.1	0.0002	<J 0.087	<J 0.2	< 0.002	0.08	0.04
SW-7	23-Sep-93	Hydrometrics	3.71	0.2	0.0002	0.07	0.28	< 0.002	0.07	0.014
SW-7	23-Sep-93	Hydrometrics	3.71	0.2	0.0001	0.06	0.29	< 0.002	0.07	0.016
SW-7	25-Aug-94	Hydrometrics	1.69	J 0.02	< 0.0001	J 0.007	J 0.16	< 0.002	0.027	<J 0.008
SW-7	13-Jul-95	Hydrometrics	113.48	0.6	0.0001	J 0.098	J 0.97	< 0.002	0.05	0.02
SW-7	27-Sep-95	Hydrometrics	2.8	< 0.1	< 0.0001	0.021	0.17	< 0.002	0.03	<J 0.027
SW-7	18-Jun-96	Hydrometrics	223.08	0.5	0.0002	0.087	1.05	< 0.003	0.046	0.02
SW-7	09-Jul-96	Hydrometrics	97.63	J 0.3	0.0001	0.096	0.53	< 0.003	0.038	0.02
SW-7	10-Sep-96	Hydrometrics	2.1241	< 0.1	< 0.0001	0.019	0.13	< 0.003	0.025	< 0.01
SW-7	06-May-99	Maxim	6.48	0.4	< 0.0001	0.008	0.62	< 0.001	0.036	< 0.01
SW-7	08-Jul-99	Maxim	111.83	0.4	0.0001	0.064	0.53	< 0.001	0.027	0.02
SW-7	29-Sep-99	Maxim	2.493	< 0.1	< 0.0001	< 0.001	0.42	< 0.001	0.023	JF% 0.03
SW-7	12-Apr-00	Maxim	0.405	< 0.05	< 0.0001	0.004	0.43	< 0.001	0.066	0.05
SW-7	12-Apr-00	Maxim		< 0.05	< 0.0001	0.004	0.51	< 0.001	0.072	< 0.02
SW-7	09-Jul-00	Maxim	32.25	JF% 0.3	< 0.0001	JF% 0.072	JF% 0.36	< 0.001	JF% 0.029	JF% 0.02
SW-7	09-Oct-00	Maxim	1.81	< 0.01	< 0.0001	< 0.001	JF% 0.22	< 0.003	< 0.02	< 0.01
SW-7	29-Jun-01	Maxim	36.63	0.2	0.0008	0.12	0.53	JF% 0.004	0.035	< 0.01
SW-7	10-Oct-01	Maxim	1.53	< 0.1	< 0.0001	0.005	0.12	0.001	0.015	JB 0.02

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L	Cd mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Mn mg/L	Zn mg/L
SW-7	25-Apr-02	Maxim		< 0.1	< 0.0001	0.003	0.26	< 0.001	0.028	< 0.01
SW-7	02-Jul-02	Maxim	74.6	JF 0.3	< 0.0001	0.089	0.49	< 0.001	0.024	JF% 0.02
SW-7	09-Oct-02	Maxim	2.42	0.1	0.0001	0.019	0.23	< 0.001	0.038	JF% 0.06
SW-7	21-Apr-03	Maxim		< 0.05	0.0001	0.007	0.31	< 0.001	0.018	0.01
SW-7	11-Jul-03	Maxim	39.6	0.31	0.0001	0.067	0.27	< 0.001	< 0.02	< 0.01
SW-7	29-Sep-03	Maxim	1.42	< 0.05	< 0.0001	0.005	0.29	0.001	0.023	0.01
SW-7	06-Apr-04	Maxim		< 0.05	< 0.0001	0.003	0.46	< 0.001	0.046	JF% 0.02
SW-7	29-Jun-04	Maxim	88.54	0.2	< 0.0001	0.037	0.34	< 0.001	0.02	< 0.01
SW-7	06-Oct-04	Maxim	7.83	0.08	< 0.0001	0.02	0.17	< 0.001	0.038	< 0.01
SW-7	06-Apr-05	Maxim	1.22	< 0.05	< 0.0001	0.001	0.47	< 0.001	0.037	JF% 0.01
SW-7	29-Jun-05	Maxim	81.8	0.15	< 0.0001	0.026	0.2	< 0.001	0.016	< 0.01
SW-7	27-Sep-05	Maxim	3.18	< 0.05	< 0.0001	0.015	0.18	< 0.001	0.037	0.04
SW-7	25-Apr-06	Maxim	2.04	0.11	< 0.0001	0.003	0.49	< 0.001	0.051	< 0.01
SW-7	27-Jun-06	Maxim	68.62	0.14	< 0.0001	0.028	0.26	< 0.001	0.02	< 0.01
SW-7	27-Sep-06	Maxim	1.95	< 0.05	< 0.0001	0.003	0.13	< 0.001	0.008	< 0.01
SW-7	11-Apr-07	Tetra Tech	1.89	< 0.05	< 0.0001	0.002	0.19	< 0.001	0.018	< 0.01
SW-7	13-Jun-07	Tetra Tech	81	0.25	< 0.0001	0.041	0.31	< 0.001	0.012	< 0.01
SW-7	18-Sep-07	Tetra Tech	2.51	0.11	< 0.0001	0.007	0.16	< 0.001	0.024	< 0.01
SW-7	17-Apr-08	Tetra Tech	0.62	< 0.05	< 0.0001	0.003	0.16	0.002	0.022	< 0.01
SW-7	15-Jul-08	Tetra Tech	72.1	0.2	< 0.0001	0.036	0.3	< 0.001	0.026	< 0.01
SW-7	24-Sep-08	Tetra Tech	2.58	< 0.05	< 0.0001	0.009	0.19	JF%< 0.001	0.018	< 0.01
SW-7	08-Apr-09	Tetra Tech		0.005	< 0.00004	0.002	0.19	< 0.00005	0.029	J 0.0039
SW-7	24-Jun-09	Tetra Tech	101.1	0.19	< 0.00004	0.029	0.26	0.00037	0.017	0.0061
SW-7	28-Sep-09	Tetra Tech	0.818	0.18	J 0.000057	0.013	0.38	0.00066	0.037	0.0061
SW-7	07-Apr-10	Tetra Tech	0.205	JF% 0.037	< 0.00008	0.0023	0.13	< 0.0001	0.029	0.059
SW-7	28-Sep-10	Tetra Tech	2.6	0.048	< 0.00008	0.0068	0.19	0.00043	0.028	< 0.005
SW-7	20-Apr-11	Tetra Tech	1.9	0.029	< 0.00008	0.003	0.42	0.00016	0.058	< 0.005
SW-7	26-Jul-11	Tetra Tech	69.5	0.19	< 0.00008	0.029	JF 0.21	0.00024	0.019	0.0057
SW-7	27-Sep-11	Tetra Tech	2.86	0.016	< 0.00008	0.0039	0.13	< 0.0001	0.017	0.0058
SW-7	26-Jun-12	Tetra Tech	154	0.46	J 0.000036	0.028	1.3	0.0012	0.031	0.007
SW-7	25-Sep-12	Tetra Tech	0.954	0.015	< 0.000028	0.0028	0.15	J 0.00008	0.021	J 0.0021
SW-7	26-Jun-13	Tetra Tech	72.4	0.11	< 0.00008	0.0037	0.14	0.00025	0.0033	J 0.0026
SW-7	23-Sep-13	Tetra Tech	2.28	0.063	J 0.000042	0.0092	0.18	0.00033	0.018	0.013
SW-7	08-Jul-14	Tetra Tech	103.9	0.198	< 0.00005	0.0186	0.242	JF% 0.0003	0.0140	0.005
SW-7	16-Sep-14	Tetra Tech	5.1	0.024	< 0.00005	0.0063	0.088	< 0.0001	0.0176	0.005
SW-7	23-Jun-15	Tetra Tech	42.9	0.058	< 0.00005	J 0.0025	0.087	J 0.0001	0.0031	< 0.005
SW-7	14-Sep-15	Tetra Tech	7.49	< 0.01	< 0.00005	< 0.005	0.037	< 0.0001	J 0.02	< 0.02
SW-7	21-Jun-16	Tetra Tech	63.3	0.119	< 0.00005	0.021	0.147	J 0.0001	0.0122	J 0.004
SW-7	19-Sep-16	Tetra Tech	1.7	0.028	< 0.00005	0.0043	0.215	J 0.0002	0.0407	J 0.003
SW-7	26-Jun-17	Tetra Tech	108.9	0.143	< 0.00005	J 0.0007	0.156	J 0.0002	0.0128	< 0.002
SW-7	12-Jul-18	Tetra Tech	66.43	0.091	< 0.00005	0.015	0.110	< 0.0001	0.0105	J 0.004
SW-7	26-Sep-18	Tetra Tech	1.86	0.755	J 0.00011	0.0425	1.91	0.0035	0.178	0.021
SW-7	19-Jul-19	Tetra Tech	42.39	0.129	< 0.00005	0.0211	.159	< 0.0001	0.0171	J 0.005
SW-7	25-Sep-19	Tetra Tech	7.85	0.126	< 0.00005	0.0211	0.311	J 0.0003	0.0397	J 0.009
SW-7	08-Jul-20	Tetra Tech	47.34	0.16	< 0.0001	0.024	0.16	< 0.001	0.014	< 0.01
SW-7	23-Sep-20	Tetra Tech	1.49	< 0.05	< 0.0001	0.007	0.43	< 0.001	0.074	< 0.01
SW-7	30-Jun-21	Tetra Tech	23.32	0.1	< 0.0001	0.013	0.15	< 0.001	0.017	< 0.01
SW-7	22-Sep-21	Tetra Tech	2.02	< 0.05	< 0.0001	0.002	0.3	< 0.001	0.07	< 0.01
SW-7	12-Jul-22	Tetra Tech	50.67	0.18	< 0.0001	0.015	0.21	< 0.001	0.02	< 0.01
SW-7	20-Sep-22	Tetra Tech	1.42	< 0.05	< 0.0001	0.003	0.38	< 0.001	0.134	< 0.01
SW-7	26-Jun-23	Tetra Tech	49.6	0.14	< 0.0001	0.019	0.17	< 0.001	0.017	< 0.01
SW-7	18-Sep-23	Tetra Tech	2.5	< 0.05	< 0.0001	0.002	0.24	< 0.001	0.097	< 0.01
SW-7	25-Jun-24	Tetra Tech	75.6	0.12	< 0.0001	0.007	0.17	< 0.001	0.011	< 0.01
SW-7	16-Sep-24	Tetra Tech	1.28	< 0.05	< 0.0001	0.003	0.43	< 0.001	0.190	< 0.01
Fisher Creek and Clarks Fork River										
FCT-11	14-Jun-94	Hydrometrics	1.64	4.4	0.0002	J 0.57	9.27	0.019	0.3	J 0.049
FCT-11	30-Aug-94	Hydrometrics	0.0031	5	0.0004	0.25	3.68	0.002	0.69	0.088
FCT-11	13-Jul-95	Hydrometrics	3.25	2.8	0.0003	J 0.862	J 2.58	< 0.002	0.36	0.048
FCT-11	05-Jun-96	Hydrometrics	0.007	0.1	< 0.0001	<J 0.006	0.14	< 0.003	0.009	<J 0.05
FCT-11	12-Jun-96	Hydrometrics	0.025			0.014	J 0.14			<J 0.01
FCT-11	20-Jun-96	Hydrometrics	0.14	< 0.1	< 0.0001	0.018	0.22	<JS 0.003	0.018	0.01
FCT-11	26-Jun-96	Hydrometrics	0.25			0.024	0.07			< 0.01
FCT-11	02-Jul-96	Hydrometrics	1.97			0.529	3.45			J 0.05
FCT-11	12-Jul-96	Hydrometrics	2.39	J 1.8	0.0001	0.451	1.64	< 0.003	0.164	0.03
FCT-11	18-Jul-96	Hydrometrics	1.333			0.568	1.97			<J 0.05
FCT-11	25-Jul-96	Hydrometrics	1.001			0.513	1.83			0.05
FCT-11	21-Aug-96	Hydrometrics	0.26			0.28	2.26			0.04
FCT-11	11-Sep-96	Hydrometrics	0.021	3.22	0.0005	0.25	2.35	0.003	0.381	0.07
FCT-11	11-Sep-96	Hydrometrics	0.021	3.8	J 0.0003	0.243	2.67	< 0.003	0.421	0.08
FCT-11	08-Oct-96	Hydrometrics		0.4	0.0002	0.002	0.02	< 0.003	0.064	0.01
FCT-11	08-Jul-97	UOS Data	2.935	3.2	< 0.005	0.385	5.58	< 0.003	0.133	0.0247
FCT-11	12-May-98	UOS Data	0.163	2		0.354	0.326		0.139	0.0249
FCT-11	29-May-98	UOS Data	0.728	1.51		0.347	0.622		0.121	0.024
FCT-11	25-Jul-01	Maxim		3.8	0.0004	0.39	2.17	< 0.003	0.41	0.07
FCT-11	30-Jun-02	Maxim	0.65	JF 1.1	< 0.0001	0.19	0.9	< 0.001	0.058	JF% 0.01
FCT-11	02-Jul-03	Maxim	1.73	1.49	0.0001	0.28	0.76	0.001	0.16	< 0.01
FCT-11	24-Jul-03	Maxim	0.0891	1.84	0.0002	0.22	1.74	< 0.003	0.23	0.04
FCT-11	07-Aug-03	Maxim	0.0668	2.5	< 0.0001	0.25	2.8	< 0.001	0.3	< 0.02
FCT-11	14-Aug-03	Maxim	0.033	3.17	< 0.0001	0.24	3.32	0.003	0.38	< 0.01
FCT-11	28-Jun-04	Maxim	1.04	1.71	0.0001	0.44	1.44	0.001	0.14	0.08
FCT-11	05-Oct-04	Maxim	0.0114	1.3	0.0001	0.43	0.19	< 0.001	0.13	0.03
FCT-11	28-Jun-05	Maxim	0.88	2.12	0.0002	0.53	1.99	0.002	0.21	0.04
FCT-11	29-Aug-05	Maxim	0.03	6.23	0.0007	1	16	0.001	1.88	0.34
FCT-11	11-Oct-05	Maxim	0.0238	7.71	0.0009	1.05	22.8	0.001	2.55	0.38
FCT-11	28-Jun-06	Maxim	0.71	2.73	< 0.0001	0.51	3.77	0.002	0.33	0.03
FCT-11	13-Sep-06	Maxim	0.0163	7.54	0.0009	0.73	35.9	0.002	3.57	0.44
FCT-11	12-Jun-07	Tetra Tech	0.567	1.73	0.0002	0.5	2.78	< 0.001	0.28	0.02
FCT-11	17-Sep-07	Tetra Tech	0.212	5.93	0.0007	0.68	38.1	0.002	3.06	0.33
FCT-11	14-Jul-08	Tetra Tech	0.909	1.44	< 0.0001	0.4	2.53	< 0.001	0.27	0.02
FCT-11	22-Sep-08	Tetra Tech	0.0214	2.74	0.0004	0.34	19	JF%< 0.001	1.49	0.15
FCT-11	23-Jun-09	Tetra Tech	0.574	2.3	0.00014	0.8	4.3	0.0013	0.39	0.052
FCT-11	29-Sep-09	Tetra Tech	0.0089	4.1	0.00044	0.39	52.5	0.0018	2.5	0.23
FCT-11	27-Sep-10	Tetra Tech	0.0381	2.5	0.00043	0.31	27.6	0.00023	2	0.16
FCT-11	25-Jul-11	Tetra Tech	0.996	1.1	0.000089	0.38	JF 2	0.00021	0.22	0.023
FCT-11	27-Sep-11	Tetra Tech	0.111	1.7	0.00033	0.22	12.9	0.00047	1.1	0.1
FCT-11	25-Jun-12	Tetra Tech	1.77	0.87	J 0.000075	0.31	1.6	0.00084	0.15	0.017
FCT-11	24-Sep-12	Tetra Tech	0.007	2.5	0.00034	0.26	27.5	0.00071	2.2	0.18

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L		Cd mg/L		Cu mg/L		Fe mg/L		Pb mg/L		Mn mg/L		Zn mg/L	
FCT-11	25-Jun-13	Tetra Tech	0.4		1.2		0.000088		0.41		2		0.00026		0.23		0.026
FCT-11	23-Sep-13	Tetra Tech	0.017		4.4		0.0003		0.29		60.2		0.013		1.8		0.16
FCT-11	09-Jul-14	Tetra Tech	0.58		1.200	J	0.00013		0.4840		2.56	JF%	0.0002		0.239		0.028
FCT-11	17-Sep-14	Tetra Tech	0.05		1.76	J	0.00027		0.2560		12.90		0.0005		1.210		0.100
FCT-11	24-Jun-15	Tetra Tech	0.32		0.963	J	0.00012		0.3374		2.67	J	0.0001		0.286		0.027
FCT-11	15-Sep-15	Tetra Tech	0.03		2.4		0.00033		0.28		21.80	J	0.003		1.650		0.140
FCT-11	22-Jun-16	Tetra Tech	0.42		1.01	J	0.00012		0.3995		2.41	J	0.0002		0.2421		0.026
FCT-11	20-Sep-16	Tetra Tech	0.006		1.88		0.00037		0.193		31.4	J	0.0001		1.98		0.165
FCT-11	26-Sep-17	Tetra Tech	0.02		1.65		0.0003		0.179		17.2	J	0.0002		1.26		0.112
FCT-11	27-Jun-17	Tetra Tech	0.63		1.04	J	0.00011		0.397		1.87	J	0.0002		0.216		0.022
FCT-11	11-Jul-18	Tetra Tech	0.83		0.634	J	0.00008		0.253		1.42	J	0.0002		0.151		0.031
FCT-11	25-Sep-18	Tetra Tech	0.02		1.14	J	0.00027		0.173		20.0	J	0.0004		1.06		0.120
FCT-11	18-Jul-19	Tetra Tech	0.37		0.592	J	0.00009		0.210		1.82	J	0.0001		0.186		0.020
FCT-11	25-Sep-19	Tetra Tech	0.05		1.1	J	0.00021		0.196		8.21	J	0.0001		0.709		0.068
FCT-11	08-Jul-20	Tetra Tech	0.43		0.93	<	0.0001		0.34		2.17	<	0.001		0.219		0.020
FCT-11	22-Sep-20	Tetra Tech	0.02		1.39		0.0003		0.158		23	<	0.001		1.62		0.12
FCT-11	29-Jun-21	Tetra Tech	0.2		0.55	<	0.0001		0.163		2.17	<	0.001		0.207		0.02
FCT-11	23-Sep-21	Tetra Tech	0.01		1.31		0.0002		0.13		25.6	<	0.001		1.79		0.140
FCT-11	11-Jul-22	Tetra Tech	0.44		0.79	<	0.0001		0.31		1.82	<	0.001		0.203		0.020
FCT-11	20-Sep-22	Tetra Tech	0.02		1.4		0.0002		0.15		25.2	<	0.001		1.71		0.12
FCT-11	27-Jun-23	Tetra Tech	0.4		0.96	<	0.0001		0.39		2.64	<	0.001		0.239		0.020
FCT-11	19-Sep-23	Tetra Tech	0.03		1.19		0.0002		0.163		17	<	0.001		1.26		0.11
FCT-11	27-Jun-24	Tetra Tech	0.5		0.73		0.0001		0.26		2.95	<	0.001		0.211		0.020
FCT-11	19-Sep-24	Tetra Tech	0.014		1.44		0.0002		0.146		26.9	<	0.001		1.70		0.13
SW-3	02-Aug-89	Hydrometrics		<	0.1	<	0.001		0.03	<	0.03	<	0.01		0.11		0.01
SW-3	15-Sep-89	Hydrometrics	0.36		3.7	<	0.001		1.04		5.58	<	0.01		1.24		0.18
SW-3	20-Oct-89	Hydrometrics	0.26		3.7	<	0.001		0.85		5.59	<	0.01		1.23		0.17
SW-3	17-Mar-90	Hydrometrics	0.25		2.2	<	0.001		0.61		3.27	<	0.01		1		0.15
SW-3	28-May-90	Hydrometrics	0.9		3		0.0004		0.593		3.3		0.003		0.49		0.11
SW-3	05-Jun-90	Hydrometrics	5.75		2.1				0.51		2.9						0.06
SW-3	13-Jun-90	Hydrometrics	4.54		1.8				0.43		0.04						0.04
SW-3	15-Jun-90	Hydrometrics	3.4														
SW-3	20-Jun-90	Hydrometrics	6.15		1.8		0.002		0.49		2.26	<	0.01		0.23		0.05
SW-3	22-Jun-90	Hydrometrics	13.2														
SW-3	27-Jun-90	Hydrometrics	17.89		1.7		0.0001		0.419		5.89		0.004		0.16		0.04
SW-3	28-Jun-90	Hydrometrics	16.25														
SW-3	03-Jul-90	Hydrometrics	14.9		1.6	<	0.001		0.486		4.3	<	0.01		0.19		0.04
SW-3	05-Jul-90	Hydrometrics	9.74														
SW-3	10-Jul-90	Hydrometrics	3.9		1.7	<	0.001		0.59		3.18	<	0.01		0.27		0.08
SW-3	12-Jul-90	Hydrometrics	3.2														
SW-3	17-Jul-90	Hydrometrics	2.3		2				0.8		3.79						0.07
SW-3	26-Jul-90	Hydrometrics	1.6		2.6		0.0004		0.99		5.66		0.003		0.56		0.22
SW-3	23-Aug-90	Hydrometrics	0.6														
SW-3	25-Sep-90	Hydrometrics	0.4		3.3		0.0009		0.96		6.98		0.007		1.29		0.16
SW-3	15-Mar-91	Hydrometrics	0.2		2.7	<	0.001		0.72		2.79	<	0.01		0.89		0.15
SW-3	05-Jun-91	Hydrometrics	7		1.1		0.0001		0.39		3.78		0.002		0.16		0.03
SW-3	09-Jul-91	Hydrometrics	3		1.46	J	0.0018		0.65		4.32	J	0.002		0.29		0.05
SW-3	14-Aug-91	Hydrometrics	0.5		2.9		0.0007		0.95		5.93		0.004		0.93		0.14
SW-3	24-Sep-91	Hydrometrics	0.2		4.3		0.0022		0.95		5.51		0.006		1.26		0.16
SW-3	23-Jul-93	Hydrometrics	2.36		3.3		0.0004		1.1		6.62	<	0.002		0.56		0.13
SW-3	21-Sep-93	Hydrometrics	0.38		3.8		0.001		1.1		11.6		0.009		1.67		0.17
SW-3	14-Jun-94	Hydrometrics	5.42		2.6		0.0003	J	0.54		5		0.007		0.29	J	0.058
SW-3	14-Jul-95	Hydrometrics	7.29		2.5		0.0004	J	0.766	J	3.32		0.008		0.41		0.076
SW-3	27-Sep-95	Hydrometrics	0.31		4.8		0.0009		1.53		11		0.008		1.66		0.231
SW-3	21-May-96	Hydrometrics			4.3		0.001		0.92		4.8		0.006		0.891		0.22
SW-3	12-Jun-96	Hydrometrics	9.04						0.417	J	2.73					J	0.08
SW-3	20-Jun-96	Hydrometrics	7.795		1.6		0.0002		0.395		1.72	<JS	0.003		0.167		0.03
SW-3	26-Jun-96	Hydrometrics	12.65						0.381		3.25						0.04
SW-3	02-Jul-96	Hydrometrics	15.9						0.374		6.88					J	0.08
SW-3	11-Jul-96	Hydrometrics	9.18	J	1.3		0.0001		0.448		1.93	<	0.003		0.163		0.04
SW-3	18-Jul-96	Hydrometrics	5.644						0.646		2.84					<J	0.08
SW-3	25-Jul-96	Hydrometrics	6.767						0.803		3.83						0.09
SW-3	21-Aug-96	Hydrometrics	2.552						0.98		6.46						0.15
SW-3	11-Sep-96	Hydrometrics	0.38		3.5	JS	0.0009		1.04		6.91		0.008		1.32		0.18
SW-3	08-Jul-97	UOS Data	10.843		1.81	<	0.005		0.411		2.6	<	0.003		0.165		0.0368
SW-3	27-Mar-98	UOS Data	0.17		3.15				0.691		7.35				1.31		0.177
SW-3	23-Apr-98	UOS Data	0.112		3.08				0.745		6.92				1.26		0.177
SW-3	05-May-98	UOS Data	0.217		2.51				0.535		3.03				0.502		0.0965
SW-3	13-May-98	UOS Data	4.783		2.26				0.443		2.82				0.348		0.0689
SW-3	29-May-98	UOS Data	2.172		1.77				0.361		2.71				0.231		0.0547
SW-3	06-May-99	Maxim	0.2244		3.9		0.0011		0.9		7.49		0.007		1.35		0.29
SW-3	09-Jul-99	Maxim	7.53		1.5		0.0002		0.41		1.85		0.002		0.162		0.06
SW-3	30-Sep-99	Maxim	0.306		3.1		0.0005		1		7.03		0.002		1.3	JF%	0.18
SW-3	13-Apr-00	Maxim	0.055		3.2		0.0014		0.86		6.2		0.008		1.32	<	0.02
SW-3	09-May-00	Maxim	0.604														
SW-3	18-May-00	Maxim	0.828														
SW-3	18-May-00	Maxim	1.04		2.5		0.0004		0.6		3.19		0.003		0.56		0.12
SW-3	18-May-00	Maxim	0.809						0.63								0.12
SW-3	18-May-00	Maxim							0.62								0.12
SW-3	18-May-00	Maxim	0.935						0.58								0.11
SW-3	18-May-00	Maxim	0.904														
SW-3	18-May-00	Maxim	0.797						0.62								0.12
SW-3	18-May-00	Maxim	0.793														
SW-3	18-Jun-00	Maxim	7.54														
SW-3	18-Jun-00	Maxim	6.37						0.46								0.05
SW-3	18-Jun-00	Maxim	5.52						0.44								0.06
SW-3	18-Jun-00	Maxim	6.24						0.44								0.05
SW-3	18-Jun-00	Maxim	7.18		1.8		0.0002		0.43		2.67		0.003		0.18		0.04
SW-3	08-Jul-00	Maxim	3.03	JF%	2	<	0.0001	JF%	0.67	JF%	3.11		0.002	JF%	0.37	JF%	0.06
SW-3	08-Jul-00	Maxim	3.16					JF%	0.77							JF%	0.07
SW-3	08-Jul-00	Maxim	3.02					JF%	0.82							JF%	0.07
SW-3	08-Jul-00	Maxim	3.3					JF%	0.74							JF%	0.07
SW-3	16-Aug-00	Maxim	0.49														
SW-3	16-Aug-00	Maxim			2.8		0.0011		0.95		5.21		0.007		1.06		0.15
SW-3	21-Aug-00	Maxim	0.45														
SW-3	31-Aug-00	Maxim	0.379														
SW-3	01-Sep-00	Maxim			2.8		0.0006		0.82		7.38		0.005		1.11		0.16
SW-3	01-Sep-00	Maxim	0.381														
SW-3	17-Sep-00	Maxim	0.218														
SW-3	17-Sep-00	Maxim			3.1				0.76		22		0.003		1.5		0.15
SW-3	18-Sep-00	Maxim	0.201														

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L	Cd mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Mn mg/L	Zn mg/L
SW-3	12-Oct-00	Maxim	0.221							
SW-3	19-Oct-00	Maxim		2.9	< 0.0001	0.67	JF% 7.84	0.007	1.29	0.39
SW-3	06-Dec-00	Maxim		3	0.001	0.72	6.44	0.007	1.25	0.18
SW-3	21-Apr-01	Maxim	0.103	2.6	0.001	0.74	6.21	0.006	1.12	0.12
SW-3	11-Jun-01	Maxim		1.7	< 0.0001	0.48	1.92	< 0.003	0.2	JF% 0.05
SW-3	26-Jun-01	Maxim	4.208	2.5	0.0003	0.53	6.53	JF% 0.007	0.31	0.06
SW-3	26-Jun-01	Maxim	4.208	2.5	0.0003	0.54	6.18	JF% 0.33	0.29	0.06
SW-3	31-Aug-01	Maxim	0.29	2.7	0.0056	0.84	10.1	0.012	1.17	0.15
SW-3	11-Oct-01	Maxim	0.27	2.4	0.0011	0.67	5.79	0.004	0.87	0.15
SW-3	26-Apr-02	Maxim	0.37	3.1	0.001	0.83	7.1	0.006	1.28	0.18
SW-3	01-Jul-02	Maxim	7.6	JF 1.7	0.0003	0.54	4.31	0.003	0.3	JF% 0.08
SW-3	01-Jul-02	Maxim		1.7	0.0002	0.55	4.22	0.003	0.3	0.06
SW-3	02-Jul-02	Maxim		0.4	0.0005	0.065	0.12	0.001	< 0.003	0.3
SW-3	08-Oct-02	Maxim	0.29	3.6	0.001	0.85	10.6	0.009	1.48	JF% 0.71
SW-3	23-Apr-03	Maxim	0.05	2.51	0.0012	0.83	6.92	0.008	1.3	0.26
SW-3	01-Jul-03	Maxim	6.57	1.62	0.0002	0.45	2.32	0.002	0.29	0.02
SW-3	31-Jul-03	Maxim		2.83	0.0005	1.04	5.38	0.005	0.78	JF% 0.14
SW-3	14-Aug-03	Maxim		3.1	0.0005	1.15	6.13	0.01	1.31	0.13
SW-3	21-Aug-03	Maxim		3	0.0009	1.06	10.9	0.009	1.5	0.14
SW-3	22-Aug-03	Maxim		3.1	0.0009	0.94	8.58	0.013	1.48	0.19
SW-3	30-Sep-03	Maxim	0.258	2.86	0.0008	0.8	10.5	0.009	1.74	0.21
SW-3	05-Apr-04	Maxim	0.136	2.2	0.0008	0.7	2.34	0.004	0.9	JF% 0.18
SW-3	28-Jun-04	Maxim	9.32	2.27	0.0002	0.37	3.84	0.005	0.18	0.05
SW-3	05-Oct-04	Maxim	0.35	1.52	0.0005	0.6	0.87	0.002	0.29	0.08
SW-3	05-Apr-05	Maxim	0.08	1.75	0.0009	0.8	0.9	0.002	0.49	JF% 0.18
SW-3	28-Jun-05	Maxim	8.13	1.49	0.0001	0.36	1.14	0.002	0.14	0.04
SW-3	22-Aug-05	Maxim	0.51							
SW-3	29-Aug-05	Maxim	0.38	1.36	0.0006	0.59	1.36	0.002	0.42	0.13
SW-3	15-Sep-05	Maxim	0.31							
SW-3	22-Sep-05	Maxim	0.26							
SW-3	23-Sep-05	Maxim	0.47							
SW-3	11-Oct-05	Maxim	0.31	2.31	0.0007	0.73	0.9	0.002	0.52	0.12
SW-3	26-Apr-06	Maxim	0.07	2.61	0.0009	0.87	1.1	0.001	0.54	0.15
SW-3	28-Jun-06	Maxim	5.46	1.74	0.0001	0.39	1.52	0.002	0.18	0.02
SW-3	26-Sep-06	Maxim	0.16	2.81	0.0008	0.79	1.89	0.002	0.59	0.14
SW-3	11-Apr-07	Tetra Tech	0.065	2.14	0.001	0.75	0.87	0.001	0.45	0.14
SW-3	12-Jun-07	Tetra Tech	6.94	1.72	0.0002	0.32	2.46	0.002	0.13	0.01
SW-3	17-Sep-07	Tetra Tech	0.142	2.51	0.0008	0.84	1.26	0.002	0.57	0.12
SW-3	17-Apr-08	Tetra Tech	0.0852	2.13	0.0011	0.97	1.01	0.001	0.54	0.14
SW-3	14-Jul-08	Tetra Tech	8.17	0.74	0.0001	0.21	0.72	0.001	0.1	0.02
SW-3	22-Sep-08	Tetra Tech	0.37	2.95	0.0007	0.67	1.69	JF% 0.002	0.58	0.11
SW-3	08-Apr-09	Tetra Tech	0.113	2.1	0.0011	1.2	0.65	0.001	0.61	0.15
SW-3	23-Jun-09	Tetra Tech	9.4	0.47	0.00013	0.24	0.38	0.00039	0.098	0.023
SW-3	29-Sep-09	Tetra Tech	0.144	2.1	0.00066	0.65	2.6	0.0019	0.53	0.099
SW-3	06-Apr-10	Tetra Tech	0.103	JF% 1.8	0.0011	0.89	2.2	0.00067	0.49	0.14
SW-3	27-Sep-10	Tetra Tech	0.267	2	0.00065	0.65	0.97	0.001	0.5	0.098
SW-3	05-Apr-11	Tetra Tech	0.045	1.9	0.0011	0.89	1.1	0.0006	0.52	0.14
SW-3	25-Jul-11	Tetra Tech	7.93	0.8	0.00012	0.21	JF 0.97	0.0011	0.099	0.025
SW-3	27-Sep-11	Tetra Tech	0.793	2.7	0.00065	0.57	1.6	0.0013	0.49	0.096
SW-3	25-Jun-12	Tetra Tech	16.2	0.9	0.000095	0.2	2.2	0.0029	0.069	0.019
SW-3	24-Sep-12	Tetra Tech	0.373	2.4	0.00074	0.69	1.1	0.0014	0.53	0.1
SW-3	24-Jun-13	Tetra Tech	5.6	0.93	0.00012	0.21	0.91	0.00092	0.1	0.024
SW-3	24-Sep-13	Tetra Tech	0.21	2.7	0.00071	0.69	2	0.0013	0.59	0.12
SW-3	09-Jul-14	Tetra Tech	9.2	0.781	J 0.00012	0.2118	1.180	JF% 0.0009	0.0890	0.018
SW-3	17-Sep-14	Tetra Tech	0.39	2.410	0.00055	0.4954	1.47	0.0015	0.463	0.086
SW-3	24-Jun-15	Tetra Tech	3.2	0.935	J 0.00021	0.2808	1.23	0.0009	0.1456	0.027
SW-3	15-Sep-15	Tetra Tech	0.7	4.080	0.00054	0.476	8.07	0.008	0.456	0.09
SW-3	22-Jun-16	Tetra Tech	4.7	0.906	J 0.00015	0.2716	1.13	0.0008	0.1187	0.025
SW-3	20-Sep-16	Tetra Tech	0.26	2.51	0.00075	0.6532	3.01	0.0018	0.533	0.109
SW-3	26-Sep-17	Tetra Tech	0.35	2.53	0.00061	0.512	1.29	0.0014	0.514	0.097
SW-3	27-Jun-17	Tetra Tech	9.8	0.64	J 0.00009	0.172	0.632	0.0006	0.0789	0.016
SW-3	11-Jul-18	Tetra Tech	7.69	1.03	J 0.00014	0.231	1.81	0.0017	0.0974	0.022
SW-3	25-Sep-18	Tetra Tech	0.42	2.5	0.00065	0.586	1.69	0.0015	0.505	0.112
SW-3	25-Jun-19	Tetra Tech	7.32	0.774	J 0.00013	0.188	0.899	0.0007	0.101	0.024
SW-3	25-Sep-19	Tetra Tech	0.46	2.33	0.00055	0.488	1.64	0.0013	0.478	0.089
SW-3	08-Jul-20	Tetra Tech	4.98	1.16	0.0002	0.26	1.19	0.001	0.122	0.02
SW-3	22-Sep-20	Tetra Tech	0.2	2.67	0.0007	0.623	1.2	0.001	0.481	0.1
SW-3	29-Jun-21	Tetra Tech	2.72	1.25	0.0002	0.277	1.73	0.001	0.175	0.03
SW-3	23-Sep-21	Tetra Tech	0.23	2.79	0.0006	0.647	2	0.001	0.591	0.11
SW-3	11-Jul-22	Tetra Tech	4.52	1.01	0.0001	0.228	1.45	0.002	0.112	0.02
SW-3	21-Sep-22	Tetra Tech	0.25	2.5	0.0007	0.694	1.22	0.001	0.472	0.1
SW-3	27-Jun-23	Tetra Tech	6.4	0.89	0.0002	0.26	1.02	< 0.001	0.109	0.02
SW-3	19-Sep-23	Tetra Tech	0.4	2.41	0.0007	0.664	1.71	0.001	0.55	0.11
SW-3	26-Jun-24	Tetra Tech	5.1	0.70	0.0002	0.242	0.94	< 0.001	0.104	0.03
SW-3	17-Sep-24	Tetra Tech	0.25	2.56	0.0007	0.612	2.19	0.001	0.561	0.11
SW-4	02-Aug-89	Hydrometrics		< 0.1	< 0.001	0.03	< 0.03	< 0.01	0.11	0.01
SW-4	15-Sep-89	Hydrometrics	1.35	0.2	< 0.001	0.09	0.09	< 0.01	0.07	0.07
SW-4	20-Oct-89	Hydrometrics	1.19	0.1	< 0.001	0.07	0.04	< 0.01	0.06	0.05
SW-4	17-Mar-90	Hydrometrics		< 0.1	< 0.001	0.04	< 0.03	< 0.01	< 0.02	0.07
SW-4	29-May-90	Hydrometrics	15.4	0.8	< 0.0001	0.116	0.71	< 0.002	0.05	0.03
SW-4	05-Jun-90	Hydrometrics	27.84	0.3		0.08	0.42			0.02
SW-4	13-Jun-90	Hydrometrics	30.73	0.2		0.06	0.21			0.02
SW-4	15-Jun-90	Hydrometrics	21.9							
SW-4	20-Jun-90	Hydrometrics	47.46	0.3	< 0.001	0.08	0.39	< 0.01	0.04	0.41
SW-4	22-Jun-90	Hydrometrics	88.8							
SW-4	26-Jun-90	Hydrometrics	112.4	0.5	0.0002	0.087	1.02	< 0.002	0.05	0.02
SW-4	28-Jun-90	Hydrometrics	100.37							
SW-4	03-Jul-90	Hydrometrics	83.9	0.4	0.002	0.08	0.65	0.01	0.04	0.02
SW-4	05-Jul-90	Hydrometrics	49.4							
SW-4	10-Jul-90	Hydrometrics	30.6	0.3	< 0.001	0.09	0.43	< 0.01	0.05	0.03
SW-4	12-Jul-90	Hydrometrics	25							
SW-4	17-Jul-90	Hydrometrics	14.4	0.4		0.14	0.49			0.03
SW-4	19-Jul-90	Hydrometrics	11.7							
SW-4	27-Jul-90	Hydrometrics	7.1	0.3	0.0004	0.16	0.44	< 0.002	0.1	A 1.95

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L		Cd mg/L		Cu mg/L		Fe mg/L		Pb mg/L		Mn mg/L		Zn mg/L	
SW-4	14-Aug-90	Hydrometrics	2.6														
SW-4	15-Aug-90	Hydrometrics	3.1														
SW-4	23-Aug-90	Hydrometrics	3.2														
SW-4	25-Sep-90	Hydrometrics	1.5		0.3		0.0003		0.11		0.21	<	0.002		0.13		0.05
SW-4	15-Mar-91	Hydrometrics	0.8	<	0.1		0.001		0.06	<	0.03	<	0.01	<	0.02		0.07
SW-4	05-Jun-91	Hydrometrics	55.3	<	0.2	<	0.0001	<J	0.05	<	0.67	<	0.002	<	0.03	<	0.01
SW-4	09-Jul-91	Hydrometrics	21	<	0.1		0.0002		0.1		0.38	J	0		0.05		0.03
SW-4	14-Aug-91	Hydrometrics	1.7		0.4		0.0002		0.15		0.21	<	0.002		0.12		0.07
SW-4	24-Sep-91	Hydrometrics	1.1		0.3		0.0006		0.11		0.24	<	0.002		0.08		0.04
SW-4	19-May-92	Hydrometrics			2.1	<	0.0001		0.16		5.5		0.002		0.09		0.05
SW-4	27-May-92	Hydrometrics	77.78		0.2	<	0.0001		0.051		0.31	<	0.002		0.03		0.02
SW-4	19-Jul-92	Hydrometrics	15	<J	3.4		0.0002		0.29	<J	7.1	<	0.002		0.16	<J	0.15
SW-4	20-Aug-92	Hydrometrics			1.9		0.0023		0.66		2.34	<	0.002		0.53		0.1
SW-4	23-Sep-92	Hydrometrics	1.95		0.3		0.0004		0.117		0.17	<	0.002		0.13		0.05
SW-4	21-Jul-93	Hydrometrics	19.92		0.3		0.0001		0.146		0.65	<	0.002		0.09	J	0.04
SW-4	21-Sep-93	Hydrometrics	1.98		0.2		0.0002		0.1		0.33	<	0.002		0.16		0.042
SW-4	21-Sep-93	Hydrometrics	1.98		0.2		0.0002		0.1		0.32	<	0.002		0.16		0.038
SW-4	02-Mar-94	Hydrometrics	0.4	<	0.1		0.0005		0.06	<	0.03	<	0.002	<	0.01		0.07
SW-4	26-May-94	Hydrometrics	75.23		0.8		0.0001		0.11		2.25		0.003		0.06		0.018
SW-4	15-Jun-94	Hydrometrics	33.79		0.5		0.0001	J	0.07		0.55	<	0.002		0.05	J	0.021
SW-4	14-Jul-95	Hydrometrics	43.74		0.5		0.0001	J	0.118	J	0.8	<	0.002		0.07	<J	0.026
SW-4	27-Sep-95	Hydrometrics	1.34		0.2		0.0003		0.173		0.09	<	0.002		0.12	<J	0.08
SW-4	21-May-96	Hydrometrics			0.2		0.0001		0.063		0.18	<	0.003		0.03	<J	0.05
SW-4	29-May-96	Hydrometrics			0.4	<J	0.0001		0.086		0.44	<	0.003		0.05	<J	0.05
SW-4	05-Jun-96	Hydrometrics			1.1		0.0001		0.139		3.17		0.005		0.067	<J	0.03
SW-4	12-Jun-96	Hydrometrics	33.7						0.055	J	0.62					J	0.05
SW-4	19-Jun-96	Hydrometrics	72.157		0.2		0.0001		0.066		0.35	<	0.003		0.031	<	0.01
SW-4	26-Jun-96	Hydrometrics							0.066		1.14						0.02
SW-4	02-Jul-96	Hydrometrics							0.11		2.17					J	0.08
SW-4	11-Jul-96	Hydrometrics	54.84	J	0.2	<	0.0001		0.07	<J	0.49	<	0.003		0.033		0.02
SW-4	18-Jul-96	Hydrometrics	26.42						0.105		0.34					<J	0.03
SW-4	25-Jul-96	Hydrometrics	19.92						0.129		0.4						0.03
SW-4	21-Aug-96	Hydrometrics	4.315						0.17		0.31						0.05
SW-4	11-Sep-96	Hydrometrics	1.46		0.4	JS	0.0003		0.154		0.17	<	0.003		0.15		0.06
SW-4	08-Jul-97	UOS Data	59.7	J	0.391	<	0.005		0.0704		0.381	<	0.003		0.0304	<	0.02
SW-4	27-Mar-98	UOS Data	0.69	<	0.2				0.0668	<	0.1				0.0246		0.0586
SW-4	22-Apr-98	UOS Data	0.578	<	0.2				0.0857	<	0.1				0.0335		0.0612
SW-4	05-May-98	UOS Data			0.21				0.0451		0.252				0.03		0.0222
SW-4	13-May-98	UOS Data	4.783		0.238				0.0602		0.372				0.0432	<	0.02
SW-4	06-May-99	Maxim	0.42	<	0.1		0.0004		0.06		0.03	<	0.001		0.021		0.05
SW-4	09-Jul-99	Maxim	45.706		0.3		0.0001		0.08		0.29	<	0.001		0.027		0.03
SW-4	09-Jul-99	Maxim			0.3		0.0001		0.07		0.24	<	0.001		0.028		0.02
SW-4	30-Sep-99	Maxim		<	0.1		0.0003		0.08		0.03	<	0.001		0.078	JF%	0.11
SW-4	30-Sep-99	Maxim	1.46	<	0.1		0.0003		0.07		0.03	<	0.001		0.072	JF%	0.06
SW-4	13-Apr-00	Maxim	0.837	<	0.05		0.0004		0.064	<	0.05	<	0.001		0.014	<	0.02
SW-4	08-Jul-00	Maxim	15.48	JF%	0.3	<	0.0001	JF%	0.12	JF%	0.38	<	0.001	JF%	0.064	JF%	0.03
SW-4	19-Sep-00	Maxim	1.315														
SW-4	13-Oct-00	Maxim	1.707														
SW-4	19-Oct-00	Maxim	1.39	<	0.1	<	0.0001		0.057	JF%	0.07	<	0.001		0.058		0.04
SW-4	19-Oct-00	Maxim		<	0.1	<	0.0001		0.067		0.09	<	0.001		0.065		0.04
SW-4	21-Apr-01	Maxim	0.62	<	0.1		0.0003		0.038		0.03	<	0.001		0.008		0.08
SW-4	26-Jun-01	Maxim	23.84		0.3		0.0002		0.089		0.43	JF%	0.001		0.048		0.02
SW-4	11-Oct-01	Maxim	0.61		0.2		0.0003		0.058		0.11	<	0.001		0.009		0.09
SW-4	26-Apr-02	Maxim		<	0.1		0.0003		0.03	<	0.01	<	0.001		0.006		0.04
SW-4	01-Jul-02	Maxim	47	JF	0.3	<	0.0001		0.1		0.5	<	0.001		0.051	JF%	0.02
SW-4	08-Oct-02	Maxim	1.91		0.1		0.0004		0.085		0.13	<	0.001		0.088	JF%	0.07
SW-4	23-Apr-03	Maxim		<	0.05		0.0003		0.049		0.1	<	0.001		0.013		0.08
SW-4	01-Jul-03	Maxim	40.8		0.25	<	0.0001		0.07		0.29	<	0.001		0.044	<	0.01
SW-4	30-Sep-03	Maxim	0.903	<	0.05		0.0002		0.079		0.02	<	0.001		0.055		0.13
SW-4	05-Apr-04	Maxim	0.784	<	0.05		0.0002		0.04		0.02	<	0.001		0.005	JF%	0.1
SW-4	28-Jun-04	Maxim	70.91		0.8	<	0.0001		0.11		1.48		0.003		0.045		0.05
SW-4	05-Oct-04	Maxim	3.21		0.12		0.0002		0.05		0.06	<	0.001		0.029		0.02
SW-4	05-Apr-05	Maxim	0.7	<	0.05		0.0002		0.033		0.01	<	0.001		0.008	JF%	0.08
SW-4	28-Jun-05	Maxim	50.84		0.25	<	0.0001		0.063		0.2	<	0.001		0.028		0.02
SW-4	11-Oct-05	Maxim	1.62	<	0.05		0.0002		0.05		0.16	<	0.001		0.005		0.03
SW-4	26-Apr-06	Maxim	0.62	<	0.05		0.0002		0.043		0.02	<	0.001		0.005		0.04
SW-4	28-Jun-06	Maxim	33.1		0.19	<	0.0001		0.064		0.21	<	0.001		0.034	<	0.01
SW-4	26-Sep-06	Maxim	0.66		0.08		0.0002		0.034		0.01	<	0.001		0.026		0.18
SW-4	11-Apr-07	Tetra Tech	0.582	<	0.05		0.0002		0.038		0.02	<	0.001		0.014		0.04
SW-4	12-Jun-07	Tetra Tech	46.7		0.3	<	0.0001		0.069		0.27	<	0.001		0.02	<	0.01
SW-4	17-Sep-07	Tetra Tech	0.88		0.07		0.0002		0.044		0.05	<	0.001		0.033		0.02
SW-4	17-Apr-08	Tetra Tech	0.448	<	0.05		0.0002		0.044		0.02	<	0.001		0.011		0.04
SW-4	14-Jul-08	Tetra Tech	46.54		0.13	<	0.0001		0.049		0.18	<	0.001		0.022	<	0.01
SW-4	22-Sep-08	Tetra Tech	1.462		0.11		0.0002		0.065		0.02	JF%	< 0.001		0.046		0.03
SW-4	08-Apr-09	Tetra Tech	0.312		0.011		0.00025		0.037	<	0.025	<	0.00005		0.0075		0.045
SW-4	23-Jun-09	Tetra Tech	57.7		0.15	J	0.000061		0.044		0.13		0.00021		0.018		0.011
SW-4	29-Sep-09	Tetra Tech	0.699		0.051		0.00014		0.025	<	0.025	<	0.00005		0.0077		0.023
SW-4	06-Apr-10	Tetra Tech	0.272	JF%	0.018		0.00016		0.018	<	0.05	<	0.0001		0.0016		0.036
SW-4	27-Sep-10	Tetra Tech	1.36		0.065		0.00015		0.04		0.17	<	0.0001		0.031		0.021
SW-4	05-Apr-11	Tetra Tech	0.776		0.008		0.00023		0.034	<	0.05	<	0.0001		0.0044		0.041
SW-4	25-Jul-11	Tetra Tech	38.5		0.13	<	0.00008		0.046	JF	0.18		0.00021		0.021		0.011
SW-4	27-Sep-11	Tetra Tech	2.06		0.87		0.00023		0.22		0.72		0.00081		0.04		0.037
SW-4	25-Jun-12	Tetra Tech	98.9		0.28	J	0.000063		0.05		0.48		0.0012		0.021		0.01
SW-4	24-Sep-12	Tetra Tech	0.828		0.021		0.00017		0.029	<	0.01	J	0.000034		0.012		0.023
SW-4	24-Jun-13	Tetra Tech	32.3		0.23	J	0.000075		0.051		0.19		0.00036		0.023		0.012
SW-4	24-Sep-13	Tetra Tech	1.1		0.083		0.00019		0.055	J	0.023	J	0.000059		0.037		0.033
SW-4	09-Jul-14	Tetra Tech	50.6		0.150	J	0.00007		0.0400		0.195	JF%	0.0005		0.0179		0.010
SW-4	17-Sep-14	Tetra Tech	4.6		0.130	J	0.00014		0.0476		0.092	<	0.0001		0.0404		0.022
SW-4	24-Jun-15	Tetra Tech	21.8		0.130	J	0.00008		0.0497		0.141	J	0.0002		0.0206		0.011
SW-4	15-Sep-15	Tetra Tech	4		0.927	J	0.00017		0.129		0.918		0.0013		0.0624		0.023
SW-4	22-Jun-16	Tetra Tech	32.5		0.149	J	0.00007		0.053		0.152	J	0.0002		0.0218		0.013
SW-4	20-Sep-16	Tetra Tech	0.98		0.051	J	0.0002		0.0492		0.022	<	0.0001		0.0343		0.028

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L		Cd mg/L		Cu mg/L		Fe mg/L		Pb mg/L		Mn mg/L		Zn mg/L	
SW-4	27-Sep-17	Tetra Tech	1.8		0.16	J	0.0002		0.0485		0.04	<	0.0001		0.0395		0.029
SW-4	27-Jun-17	Tetra Tech	88.9		0.14	<	0.00005		0.0256		0.138	J	0.0002		0.0165		0.006
SW-4	11-Jul-18	Tetra Tech	49.96		0.145	J	0.00007		0.0494		0.144	J	0.0003		0.0193		0.012
SW-4	25-Sep-18	Tetra Tech	1.06		0.067	J	0.00019		0.0493		0.016	<	0.0001		0.0317		0.025
SW-4	26-Jun-19	Tetra Tech	38.50		0.113	J	0.00006		0.0376		0.092	<	0.0001		0.0179		0.011
SW-4	25-Sep-19	Tetra Tech	2.21		0.143	J	0.00017		0.0563		0.064	<	0.0001		0.0518		0.026
SW-4	08-Jul-20	Tetra Tech	24.07		0.17	<	0.0001		0.053		0.16	<	0.001		0.024		0.01
SW-4	22-Sep-20	Tetra Tech	0.64	<	0.05		0.0002		0.045	<	0.01	<	0.001		0.02		0.03
SW-4	29-Jun-21	Tetra Tech	12.1		0.14		0.0001		0.052		0.17	<	0.001		0.025		0.01
SW-4	23-Sep-21	Tetra Tech	1.24	<	0.05		0.0002		0.046		0.03	<	0.001		0.024		0.03
SW-4	11-Jul-22	Tetra Tech	33.47		0.14	<	0.0001		0.047		0.16	<	0.001		0.02		0.01
SW-4	21-Sep-22	Tetra Tech	1	<	0.05		0.0002		0.053		0.03	<	0.001		0.018		0.03
SW-4	27-Jun-23	Tetra Tech	34.60		0.17	<	0.0001		0.051		0.18	<	0.001		0.021	<	0.01
SW-4	19-Sep-23	Tetra Tech	1.1		0.05		0.0002		0.049	<	0.02	<	0.001		0.034		0.03
SW-4	26-Jun-24	Tetra Tech	39.20		0.14		0.0001		0.048		0.16	<	0.001		0.021		0.01
SW-4	17-Sep-24	Tetra Tech	1.16	<	0.05		0.0002		0.050		0.02	<	0.001		0.031		0.03
CFY-2	09-Aug-90	Hydrometrics	0.69		0.1	U	0.001		0.05		0.12	U	0.01		0.04	UJ	0.02
CFY-2	05-Jun-91	Hydrometrics	91.6		0.5	U	0.0001	UJ1	0.06		0.83		0.002		0.03	U	0.01
CFY-2	09-Jul-91	Hydrometrics	4.7	U	0.1		0.0002		0.06		0.25	J2	0		0.03		0.03
CFY-2	13-Aug-91	Hydrometrics	2.4		0.1		0.0002		0.052		0.06	U	0.002		0.04		0.04
CFY-2	24-Sep-91	Hydrometrics	1.4	U	0.1	U	0.0001		0.017	U	0.03	U	0.002	U	0.02		0.01
CFY-2	23-Jul-93	Hydrometrics	17.03		0.3		0.0001		0.11		0.42	U	0.002		0.05	UJ1	0.03
CFY-2	21-Sep-93	Hydrometrics	2.46		0.1		0.0002		0.06		0.17	U	0.002		0.09		0.028
CFY-2	15-Jun-94	Hydrometrics	39.63		0.2	U	0.0001	J4	0.05		0.2	U	0.002		0.03	J4	0.012
CFY-2	06-May-99	Maxim	0.091	<	0.1	<	0.0001	--	0.004	<	0.01	<	0.001	<	0.005	<	0.01
CFY-2	09-Jul-99	Maxim	21.46	--	0.2	--	0.0001	--	0.09	--	0.23	<	0.001	--	0.019	--	0.04
CFY-2	29-Sep-99	Maxim	2.071	<	0.1	--	0.0002	--	0.022	--	0.04	<	0.001	--	0.017	JF%	0.04
CFY-2	13-Apr-00	Maxim	0.658	<	0.05	<	0.0001	--	0.008	<	0.05	<	0.001	<	0.005	<	0.02
CFY-2	08-Jul-00	Maxim	20.55	JF%	0.2	<	0.0001	JF%	0.068	JF%	0.24	<	0.001	JF%	0.035	JF%	0.02
CFY-2	22-Sep-00	Maxim		<	0.1	<	0.0001	--	0.004	--	0.01	<	0.001	<	0.003	<	0.01
CFY-2	28-Sep-00	Maxim		<	0.1	<	0.0001	--	0.01	--	0.03	<	0.001	--	0.004	<	0.01
CFY-2	10-Oct-00	Maxim		<	0.1	<	0.0001	--	0.01	<	0.05	<	0.003	<	0.005	<	0.02
CFY-2	19-Oct-00	Maxim		<	0.1	<	0.0001	--	0.008	<	0.05	<	0.001	--	0.004	--	0.01
CFY-2	21-Apr-01	Maxim	0.48	<	0.1	<	0.0001	--	0.005	<	0.01	<	0.001	<	0.003	--	0.01
CFY-2	26-Jun-01	Maxim	30.66	<	0.1	--	0.0001	--	0.054	--	0.24	JF%	0.002	--	0.024	<	0.01
CFY-2	11-Oct-01	Maxim	0.49	<	0.1	<	0.0001	--	0.007	<	0.05	<	0.001	<	0.003	JB	0.03
CFY-2	26-Apr-02	Maxim	0.28	<	0.1	<	0.0001	--	0.007	--	0.02	<	0.001	--	0.005	--	0.03
CFY-2	01-Jul-02	Maxim	13	JF	0.3	<	0.0001	--	0.062	--	0.34	--	0.001	--	0.03	JF%	0.04
CFY-2	08-Oct-02	Maxim	0.027	<	0.1	--	0.0002	--	0.008	--	0.03	<	0.001	<	0.003	JF%	0.03
CFY-2	22-Apr-03	Maxim	0.002	<	0.05	<	0.0001	--	0.004	--	0.09	<	0.001	<	0.003	<	0.01
CFY-2	01-Jul-03	Maxim	4	--	0.17	<	0.0001	--	0.04	--	0.19	<	0.001	--	0.024	<	0.01
CFY-2	30-Sep-03	Maxim	0.014	<	0.05	<	0.0001	--	0.008	--	0.01	<	0.001	<	0.003	--	0.01
CFY-2	06-Apr-04	Maxim	0.045	<	0.05	<	0.0001	--	0.004	<	0.01	<	0.001	<	0.005	JF%	0.02
CFY-2	28-Jun-04	Maxim	2.48	--	0.09	<	0.0001	--	0.035	--	0.13	<	0.001	--	0.013	<	0.01
CFY-2	05-Oct-04	Maxim	4.33	--	0.08	--	0.0001	--	0.02	--	0.04	<	0.001	--	0.01	--	0.03
CFY-2	05-Apr-05	Maxim	0.54	<	0.05	<	0.0001	--	0.004	--	0.01	<	0.001	<	0.003	JF%(1)<	0.01
CFY-2	28-Jun-05	Maxim	58.17	--	0.2	<	0.0001	--	0.045	--	0.2	--	0.001	--	0.021	--	0.02
CFY-2	11-Oct-05	Maxim	0.77	<	0.05	<	0.0001	--	0.009	<	0.01	<	0.001	<	0.003	--	0.01
CFY-2	26-Apr-06	Maxim	0.92	<	0.05	<	0.0001	--	0.008	<	0.01	<	0.001	<	0.003	<	0.01
CFY-2	28-Jun-06	Maxim	34.94	--	0.16	<	0.0001	--	0.045	--	0.17	<	0.001	--	0.025	<	0.01
CFY-2	26-Sep-06	Maxim	0.87	<	0.05	<	0.0001	--	0.007	<	0.01	<	0.001	<	0.003	--	0.09
CFY-2	11-Apr-07	Tetra Tech	0.837	<	0.05	<	0.0001	--	0.005	<	0.01	<	0.001	<	0.003	<	0.01
CFY-2	12-Jun-07	Tetra Tech	43.4	--	0.14	<	0.0001	--	0.04	--	0.13	<	0.001	--	0.01	<	0.01
CFY-2	17-Sep-07	Tetra Tech	0.915	<	0.05	<	0.0001	--	0.008	--	0.01	<	0.001	<	0.003	<	0.01
CFY-2	17-Apr-08	Tetra Tech	0.74	<	0.05	<	0.0001		0.007	<	0.01	<	0.001	<	0.003		0.01
CFY-2	14-Jul-08	Tetra Tech	60.47		0.06	<	0.0001		0.033		0.14	<	0.001		0.016	<	0.01
CFY-2	22-Sep-08	Tetra Tech	1.675	<	0.05	<	0.0001		0.012	<	0.01	JF%<	0.001		0.006		0.01
CFY-2	09-Apr-09	Tetra Tech	0.44		0.006	J	0.000045		0.0047	<	0.025	<	0.00005		0.0009		0.0086
CFY-2	23-Jun-09	Tetra Tech	70.9		0.13	J	0.000051		0.031		0.13		0.00037		0.016		0.008
CFY-2	29-Sep-09	Tetra Tech	0.748		0.053	J	0.000056		0.0061	<	0.025	<	0.00005		0.001		0.008
CFY-2	06-Apr-10	Tetra Tech	0.687	JF%	0.01	<	0.00008		0.0036	<	0.05	<	0.0001		0.0007		0.0072
CFY-2	27-Sep-10	Tetra Tech	2.07		0.021	<	0.00008		0.0078	<	0.05	<	0.0001		0.0029		0.0092
CFY-2	05-Apr-11	Tetra Tech	0.418	<	0.004	<	0.00008		0.0043	<	0.05	<	0.0001	<	0.0005		0.0076
CFY-2	25-Jul-11	Tetra Tech	46.3		0.11	<	0.00008		0.031	JF	0.11		0.00022		0.014		0.0091
CFY-2	27-Sep-11	Tetra Tech	1.91		0.013	<	0.00008		0.0072	<	0.05	<	0.0001		0.0022		0.01
CFY-2	25-Jun-12	Tetra Tech	108.5		0.13	J	0.000051		0.03		0.13		0.0004		0.013		0.009
CFY-2	24-Sep-12	Tetra Tech	0.782		0.009	J	0.00006		0.0058	<	0.01	J	0.000035		0.0011		0.0066
CFY-2	25-Jun-13	Tetra Tech	37.5		0.11	J	0.000052		0.032		0.088		0.00019		0.014		0.01
CFY-2	24-Sep-13	Tetra Tech	1.33		0.085	J	0.000068		0.01		0.55		0.00076		0.09		0.0061
CFY-2	09-Jul-14	Tetra Tech	73.5		0.121	<	0.00005		0.0294		0.159	JF%	0.0004		0.0120		0.007
CFY-2	17-Sep-14	Tetra Tech	3.4		0.058	J	0.00007		0.0154		0.021	<	0.0001		0.0186		0.012
CFY-2	24-Jun-15	Tetra Tech	31.1		0.103	J	0.00006		0.0322		0.102	J	0.0001		0.0121		0.008
CFY-2	15-Sep-15	Tetra Tech	3.6		0.125	J	0.00009		0.0284		0.062	<	0.0001		0.0153		0.015
CFY-2	22-Jun-16	Tetra Tech	40.6		0.104	J	0.00006		0.0359		0.104	J	0.0001		0.0139		0.01
CFY-2	20-Sep-16	Tetra Tech	1.1		0.015	J	0.00007		0.0094		0.022	<	0.0001		0.0032		0.012
CFY-2	27-Sep-17	Tetra Tech	1.8		0.033	J	0.0001		0.0099		0.016	<	0.0001		0.0074		0.011
CFY-2	27-Jun-17	Tetra Tech			0.153	<	0.00005		0.0145		0.178	J	0.0002		0.0131	J	0.004
CFY-2	11-Jul-18	Tetra Tech	63.56		0.102	J	0.00006		0.0344		0.107	J	0.0002		0.0129		0.009
CFY-2	25-Sep-18	Tetra Tech	1.21		0.010	J	0.00006		0.008	J	0.006	<	0.0001		0.0033		0.012
CFY-2	26-Jun-19	Tetra Tech	50.64		.084	J	0.00005		0.0257		0.059	<	0.0001		0.0108	J	0.009
CFY-2	25-Sep-19	Tetra Tech	2.54		0.049	J	0.00007		0.0189		0.025	<	0.0001		0.0123		0.015
CFY-2	08-Jul-20	Tetra Tech	33.51		0.12	<	0.0001		0.036		0.11	<	0.001		0.014	<	0.01
CFY-2	22-Sep-20	Tetra Tech	0.88	<	0.05	<	0.0001		0.007	<	0.01	<	0.001	<	0.003	<	0.01
CFY-2	29-Jun-21	Tetra Tech	15.25		0.09	<	0.0001		0.029		0.1	<	0.001		0.011	<	0.01
CFY-2	23-Sep-21	Tetra Tech	1.2	<	0.05	<	0.0001		0.006		0.02	<	0.001	<	0.003	<	0.01
CFY-2	11-Jul-22	Tetra Tech	43.62		0.07	<	0.0001		0.022		0.08	<	0.001		0.009	<	0.01
CFY-2	21-Sep-22	Tetra Tech	1.2	<	0.05	<	0.0001		0.006	<	0.02	<	0.001	<	0.003	<	0.01
CFY-2	27-Jun-23	Tetra Tech	48.3		0.07	<	0.0001		0.024		0.07	<	0.001		0.008	<	0.01
CFY-2	19-Sep-23	Tetra Tech	1.3	<	0.05	<	0.0001		0.006	<	0.02	<	0.001	<	0.003	<	0.01
CFY-2	27-Jun-24	Tetra Tech	41.0		0.06	<	0.0001		0.025		0.06	<	0.001		0.009	<	0.01
CFY-2	17-Sep-24	Tetra Tech	1.44	<	0.05	<	0.0001		0.005	<	0.02	<	0.001	<	0.003	<	0.01
SW-6	02-Oct-89	Hydrometrics	4			<	0.001	<	0.01	<	0.03			<	0.02		0.01
SW-6	20-Oct-89	Hydrometrics	4.52	<	0.1	<	0.001	<	0.01	<	0.03	<	0.01	<	0.02		0.01
SW-6	29-May-90	Hydrometrics	102.1		0.2	<	0.0001		0.035		0.23	<	0.002		0.02		0.02
SW-6	06-Jun-90	Hydrometrics	123.2		0.1		0.002		0.02		0.13		0.01	<	0.02		0.01
SW-6	07-Jun-90	Hydrometrics	138.6														
SW-6	13-Jun-90	Hydrometrics	116.97	<	0.1		0.08	<	0.01		0.06	<	0.01	<	0.02		0.01
SW-6	14-Jun-90	Hydrometrics	86														
SW-6	20-Jun-90	Hydrometrics	167.97		0.2		0.001		0.03		0.26	<	0.01		0.02		0.15
SW-6	22-Jun-90	Hydrometrics	273.3														

Table C-2
1989 To 2024 Daisy and Fisher Creeks Surface Water Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Data Source	Flow (cfs)	Al mg/L		Cd mg/L		Cu mg/L		Fe mg/L		Pb mg/L		Mn mg/L		Zn mg/L	
SW-6	26-Jun-90	Hydrometrics	251.5		0.2	<	0.0001		0.037		0.4	<	0.002		0.02		0.02
SW-6	29-Jun-90	Hydrometrics	218.48														
SW-6	02-Jul-90	Hydrometrics	210.6		0.2	<	0.001		0.039		0.35	<	0.01		0.02		0.04
SW-6	04-Jul-90	Hydrometrics	165.4														
SW-6	09-Jul-90	Hydrometrics	89.9		0.1	<	0.001		0.03		0.14	<	0.01	<	0.02		0.02
SW-6	11-Jul-90	Hydrometrics	72														
SW-6	17-Jul-90	Hydrometrics	35.4		0.2				0.07		0.3					<J	0.03
SW-6	19-Jul-90	Hydrometrics	26.4														
SW-6	27-Jul-90	Hydrometrics	18.9	<	0.1	<	0.0001		0.03		0.1	<	0.002	<	0.02	<J	0.03
SW-6	23-Aug-90	Hydrometrics	10.1														
SW-6	25-Sep-90	Hydrometrics	3.3	<	0.1	<	0.0001		0.007	<	0.03	<	0.002	<	0.02		0.04
SW-6	15-Mar-91	Hydrometrics	1	<	0.1	<	0.001	<	0.01		0.06	<	0.01	<	0.02		0.02
SW-6	05-Jun-91	Hydrometrics	201.7		0.2	<	0.0001	<J	0.017		0.18	<	0.002	<	0.02	<	0.01
SW-6	09-Jul-91	Hydrometrics	51.2		0.1		0.0001		0.033		0.14	J	0	<	0.02		0.03
SW-6	14-Aug-91	Hydrometrics	3.9	<	0.1	<	0.0001		0.011		0.06	<	0.002	<	0.02		0.02
SW-6	24-Sep-91	Hydrometrics	2.5	<	0.1	<	0.0001	<J	0.013	<	0.03	<	0.002	<	0.02	<	0.01
SW-6	05-Nov-91	Hydrometrics	2.5														
SW-6	12-Dec-91	Hydrometrics	2.5														
SW-6	19-Jul-92	Hydrometrics	30.67		1.6	<	0.0001		0.11		2.88	<	0.002		0.05		0.13
SW-6	23-Sep-92	Hydrometrics	3.54	<	0.1		0.0001		0.016		0.2	<	0.002		0.02		0.05
SW-6	21-Jul-93	Hydrometrics	38.11		0.2		0.0001		0.062		0.24	<	0.002		0.03	J	0.01
SW-6	22-Sep-93	Hydrometrics	4.2	<	0.1		0.0001		0.019		0.03	<	0.002		0.03	<J	0.018
SW-6	14-Apr-94	Hydrometrics	19.2			<	0.0001	<	0.001			<	0.002				
SW-6	15-Jun-94	Hydrometrics	87.64		0.1	<	0.0001	J	0.016		0.11	<	0.002		0.01	J	0.005
SW-6	21-May-96	Hydrometrics	45.62		0.1	<	0.0001		0.021		0.15	<	0.003		0.012	<J	0.04
SW-6	10-Jul-96	Hydrometrics	149.2	<J	0.1		0.0001		0.024		0.01	<	0.003		0.013	<	0.01
SW-6	11-Sep-96	Hydrometrics	2.91	<	0.1	<JS	0.0001		0.011		0.02	<	0.003		0.007	<J	0.01
SW-6	06-May-99	Maxim	13.65		0.1	<	0.0001		0.01		0.13	<	0.001		0.008	<	0.01
SW-6	07-Jul-99	Maxim	148.39		0.2	<	0.0001		0.034		0.27	<	0.001		0.014		0.02
SW-6	29-Sep-99	Maxim	3.727	<	0.1	<	0.0001		0.016		0.06	<	0.001		0.007	JF%	0.02
SW-6	13-Apr-00	Maxim	2.55	<	0.05	<	0.0001		0.004	<	0.05	<	0.001	<	0.005	<	0.02
SW-6	08-Jul-00	Maxim	36.08	JF%	0.1	<	0.0001	JF%	0.032	JF%	0.14	<	0.001	JF%	0.018	JF%	0.01
SW-6	19-Oct-00	Maxim	3.34	<	0.1	<	0.0001		0.005	<	0.05	<	0.001	<	0.003	<	0.01
SW-6	21-Apr-01	Maxim	2.67	<	0.1	<	0.0001		0.004		0.02	<	0.001	<	0.003	<	0.01
SW-6	26-Jun-01	Maxim	60.42	<	0.1	<	0.0001		0.027		0.12	<	0.001		0.008	<	0.01
SW-6	11-Oct-01	Maxim	1.17	<	0.1	<	0.0001		0.004		0.1	<	0.001		0.008	JB	0.03
SW-6	23-Apr-02	Maxim	0.64	<	0.1	<	0.0001		0.004		0.06	<	0.001		0.003	<	0.01
SW-6	01-Jul-02	Maxim	110	JF	0.1		0.0002		0.032		0.14		0.001		0.008	<JF%	0.01
SW-6	08-Oct-02	Maxim	3.36	<	0.1		0.0001		0.014		0.01	<	0.001		0.006	JF%	0.05
SW-6	22-Apr-03	Maxim	4.13	<	0.05	<	0.0001		0.005		0.12	<	0.001		0.007	<	0.01
SW-6	01-Jul-03	Maxim	120.5		0.12	<	0.0001		0.021		0.12		0.001		0.014	<	0.01
SW-6	30-Sep-03	Maxim	1.21	<	0.05	<	0.0001		0.003	<	0.01	<	0.001		0.02		0.03
SW-6	06-Apr-04	Maxim	7.12	<	0.05	<	0.0001		0.014		0.04	<	0.001	<	0.005	JF%	0.05
SW-6	28-Jun-04	Maxim	107.21		0.06	<	0.0001		0.025		0.18	<	0.001		0.008		0.03
SW-6	05-Oct-04	Maxim	24.85		0.09	<	0.0001	B	0.007		0.02	<	0.001	<	0.003		0.01
SW-6	05-Apr-05	Maxim	2.3	<	0.05	<	0.0001	<	0.001		0.01	<	0.001	<	0.003	JF%<	0.01
SW-6	28-Jun-05	Maxim	120.34		0.1	<	0.0001		0.019		0.08	<	0.001		0.01		0.01
SW-6	11-Oct-05	Maxim	2.37	<	0.05	<	0.0001		0.005	<	0.01	<	0.001	<	0.003	<	0.01
SW-6	26-Apr-06	Maxim	5.58	<	0.05	<	0.0001		0.003		0.01	<	0.001	<	0.003	<	0.01
SW-6	28-Jun-06	Maxim	72.63		0.07	<	0.0001		0.024		0.12	<	0.001		0.015	<	0.01
SW-6	26-Sep-06	Maxim	2.13	<	0.05	<	0.0001		0.004	<	0.01	<	0.001	<	0.003		0.01
SW-6	11-Apr-07	Tetra Tech	4.04	<	0.05	<	0.0001		0.002	<	0.01	<	0.001	<	0.003	<	0.01
SW-6	12-Jun-07	Tetra Tech	101		0.07	<	0.0001		0.018		0.08	<	0.001	<	0.003	<	0.01
SW-6	17-Sep-07	Tetra Tech	1.9	<	0.05	<	0.0001		0.003	<	0.01	<	0.001	<	0.003	<	0.01
SW-6	17-Apr-08	Tetra Tech	1.93	<	0.05	<	0.0001		0.005		0.07	<	0.001	<	0.003	<	0.01
SW-6	14-Jul-08	Tetra Tech	99.53	<	0.05	<	0.0001		0.016		0	<	0.001		0.008	<	0.01
SW-6	22-Sep-08	Tetra Tech	3.09	<	0.05	<	0.0001		0.004	<	0.01	JF%<	0.001	<	0.003	<	0.01
SW-6	09-Apr-09	Tetra Tech	2.69		0.006	<	0.00004		0.0024	<	0.025	<	0.00005		0.001		0.0055
SW-6	23-Jun-09	Tetra Tech	177.5		0.11	<	0.00004		0.015		0.11		0.00021		0.0096		0.0053
SW-6	29-Sep-09	Tetra Tech	1.74		0.071	<	0.00004		0.0049	J	0.04		0.00013		0.0044	J	0.0047
SW-6	06-Apr-10	Tetra Tech	3.59	JF%	0.036	<	0.00008		0.002	<	0.05	<	0.0001		0.0016		0.054
SW-6	27-Sep-10	Tetra Tech	4.57		0.02	<	0.00008		0.0043	<	0.05	<	0.0001		0.0014		0.0055
SW-6	05-Apr-11	Tetra Tech	3.01		0.006	<	0.00008		0.0023	<	0.05	<	0.0001	<	0.0005		0.02
SW-6	25-Jul-11	Tetra Tech	89.8		0.061	<	0.00008		0.014	JF	0.058		0.00012		0.007	<	0.005
SW-6	27-Sep-11	Tetra Tech	4.93		0.009	<	0.00008		0.0034	<	0.05	<	0.0001		0.0011	<	0.005
SW-6	25-Jun-12	Tetra Tech	Not Gaged		0.091	J	0.000045		0.015		0.098		0.0003		0.0085		0.0064
SW-6	24-Sep-12	Tetra Tech	1.13		0.01	<	0.000028		0.0031	<	0.01	J	0.00003		0.001	J	0.0026
SW-6	24-Jun-13	Tetra Tech	76.86		0.084	J	0.000038		0.017		0.073		0.00013		0.0067		0.0054
SW-6	24-Sep-13	Tetra Tech	4		0.026	<	0.000032		0.004	J	0.015	J	0.000093		0.0014		0.0092
SW-6	09-Jul-14	Tetra Tech	129.5		0.077	<	0.00005		0.0149		0.077	JF%	0.0002		0.0069		0.005
SW-6	17-Sep-14	Tetra Tech	3.4		0.028	<	0.00005		0.0065		0.017	<	0.0001		0.0030		0.009
SW-6	24-Jun-15	Tetra Tech	46.4		0.065	<	0.00005		0.0169		0.07	J	0.0001		0.0063	J	0.004
SW-6	15-Sep-15	Tetra Tech	8.4		0.032	<	0.00005		0.0078		0.038	J	0.0001		0.0051		0.006
SW-6	22-Jun-16	Tetra Tech	74.8		0.072	<	0.00005		0.0184		0.079	<	0.0001		0.0073		0.005
SW-6	20-Sep-16	Tetra Tech	3.3		0.008	<	0.00005		0.0041	J	0.006	<	0.0001	J	0.0011		0.005
SW-6	27-Sep-17	Tetra Tech	6.3		0.017	<	0.00005		0.0037		0.016	<	0.0001		0.0023	J	0.004
SW-6	27-Jun-17	Tetra Tech	Not Gaged		0.117	<	0.00005		0.0047		0.152	J	0.0002		0.0089	J	0.002
SW-6	11-Jul-18	Tetra Tech	Not Gaged		0.068	<	0.00005		0.0176		0.071	J	0.0001		0.0076		0.005
SW-6	25-Sep-18	Tetra Tech	2.73	J	0.008	<	0.00005		0.0034	J	0.005	<	0.0001	J	0.0013	J	0.005
SW-6	26-Jun-19	Tetra Tech	Not Gaged		0.090	<	0.00005		0.0119		0.071	<	0.0001		0.0064	J	0.005
SW-6	25-Sep-19	Tetra Tech	8.93		0.027	<	0.00005		0.0071		0.025	<	0.0001		0.0037	J	0.008
SW-6	08-Jul-20	Tetra Tech	58.32		0.070	<	0.0001		0.018		0.07	<	0.001		0.007	<	0.01
SW-6	22-Sep-20	Tetra Tech	1.97	<	0.05	<	0.0001		0.003	<	0.01	<	0.001	<	0.003	<	0.01
SW-6	29-Jun-21	Tetra Tech	32.05		0.06	<	0.0001		0.014		0.06	<	0.001		0.004	<	0.01
SW-6	23-Sep-21	Tetra Tech	2.09	<	0.050	<	0.0001		0.004		0.03	<	0.001	<	0.003	<	0.01
SW-6	11-Jul-22	Tetra Tech			0.09	<	0.0001		0.016		0.13	<	0.001		0.008	<	0.01
SW-6	21-Sep-22	Tetra Tech	2	<	0.050	<	0.0001		0.003	<	0.02	<	0.001		0.008	<	0.01
SW-6	27-Jun-23	Tetra Tech	88		0.07	<	0.0001		0.014		0.08	<	0.001		0.008	<	0.01
SW-6	19-Sep-23	Tetra Tech	2.2	<	0.050	<	0.0001		0.003	<	0.02	<	0.001		0.006	<	0.01
SW-6	26-Jun-24	Tetra Tech	90.8		0.06	<	0.0001		0.014		0.06	<	0.001		0.007	<	0.01
SW-6	17-Sep-24	Tetra Tech	2.50	<	0.050	<	0.0001		0.003	<	0.02	<	0.001		0.003	<	0.01

Notes:

All concentrations are total recoverable.

cfs : Cubic Feet per Second

mg/L : Milligrams per Liter

< : Less than

J : Estimated Concentration

JF : Estimated concentration due to field duplicate results exceeding acceptable limits by absolute value determination (AVD)

JF% : Estimated concentration due to field duplicate results exceeding acceptable limits by relative percent difference determination (RPD)

SURFACE WATER FIELD FORMS (PROVIDED ELECTRONICALLY)

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APPENDIX D – GROUNDWATER DATA

TABLE D-1
2024 GROUNDWATER SUMMARY
NEW WORLD MINING DISTRICT RESPONSE AND RESTORATION PROJECT

Station Name	Sample Date	Depth to Water (ft)	Anions (mg/L)				Dissolved Metals (mg/L)							
			Sulfate	Field SC (umhos/ cm)	Field pH (s.u.)	Aluminum (Total)	Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Mercury	Zinc
Montana DEQ-7 Drinking Water Standards:							**10**	**0.005**	**1.3**	**NE**	**0.015**	**NE**	**2**	**2.0**
Drainage: Fisher Creek														
REPOSITORY SUMP	6/26/2024	2.31*	1810	3509	6.69	<0.05	<0.003	<0.0001	0.006	<0.01	<0.001	0.021	<0.001	<0.01
Drainage: Soda Butte Creek / Repository														
RR-SBGW-107	6/26/2024	12.23	58	456	9.17	<0.05	0.01	<0.0001	0.002	<0.01	<0.001	<0.003	<0.001	<0.01
RR-SBGW-107T	6/26/2024	9.84	13	368	7.04	<0.05	<0.003	<0.0001	0.001	<0.01	<0.001	<0.003	<0.001	<0.01

Notes: * Repository Sump "depth to water" is height of water column.

s.u. - Standard units

mg/L - Milligrams per liter

SC - Specific Conductivity

umhos/cm - Micromhos per centimeter

NA - Not applicable

NE - Not established

< - Indicates analyte not detected above method detection limit (MDL)

Table D-2
2001 to 2024 Repository Sump, SBGW-107, and SBGW-107T Groundwater Data Summary
(Concentrations are Total Recoverable)

Sample Station	Sample Date	Field pH	Sulfate mg/L	Al mg/L	As mg/L	Cd mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Mn mg/L	Hg mg/L	Zn mg/L	As mg/L	Fe mg/L	Hg mg/L
				Dissolved Concentrations (mg/L)									Total Recoverable Concentrations (mg/L)		
Repository Sump	08-Oct-01	6.46	1900										< 0.003	6.09	< 0.0002
Repository Sump	02-May-02	6.5	1030										< 0.003	0.94	< 0.0002
Repository Sump	21-May-02	7.1	425										0.003	0.64	< 0.0002
Repository Sump	06-Jun-02	6.9	377										< 0.003	0.7	< 0.0002
Repository Sump	08-Jan-03		1220										0.005	7.9	< 0.0002
Repository Sump	01-Jul-03		1240										0.003	5.84	< 0.0002
Repository Sump	23-Mar-04		1260	< 0.05	0.005	< 0.0001	0.004	4.02	< 0.003	4.79	< 0.0002	< 0.01	0.005	4.02	< 0.0002
Repository Sump	19-Apr-04		1140	< 0.05	0.005	0.0002	0.001	3.19	< 0.001	4.04	< 0.0002	< 0.01	0.005	3.19	< 0.0002
Repository Sump	21-May-04		1250	< 0.05	0.004	< 0.0001	0.001	3.85	< 0.001	4.17	< 0.0002	0.01	0.004	3.85	< 0.0002
Repository Sump	04-Jun-04		1390	< 0.05	0.004	< 0.0001	0.002	4.13	< 0.001	4.72	< 0.0002	0.07	0.004	4.13	< 0.0002
Repository Sump	30-Jun-04	6.4													
Repository Sump	13-Jul-04	6.3													
Repository Sump	30-Jul-04	6.67													
Repository Sump	27-Jun-05	6.6	1300											3.94	
Repository Sump	27-Oct-05	7.81	1180	< 0.05		< 0.0001	0.002	1.52	< 0.001	4.85		< 0.01		J 1.49	
Repository Sump	05-Apr-06	6.48	1560										0.002	3.16	< 0.0002
Repository Sump	15-May-06		1450										< 0.003	3.3	< 0.0002
Repository Sump	15-May-06	6.26	1490										< 0.003	3.49	< 0.0002
Repository Sump	16-May-07		1550											1.23	< 0.0002
Repository Sump	16-May-07	6.63	1600											1.31	< 0.0002
Repository Sump	19-Sep-07	6.49	1470	< 0.05	0.002	< 0.0001	< 0.001	0.72	< 0.001	4.18		< 0.01			
Repository Sump	29-May-08	5.75	1590	< 0.05		0.0002	0.003	0.03	< 0.001	5.43		< 0.01	< 0.003	0.14	
Repository Sump	23-Sep-08	6.29	1630	< 0.05		0.0001	0.004	0.04	< 0.001	3.83		< 0.01	< 0.003	0.14	< 0.00001
Repository Sump	28-May-09	6.41													
Repository Sump	28-May-09	6.41													
Repository Sump	23-Sep-09	6.45	1670	0.008		J 0.000049	0.0012	0.32	J 0.000067	5.1		0.014			
Repository Sump	20-Sep-10		1710										0.0007	0.11	
Repository Sump	10-Aug-11	6.48	1640										0.0006	< 0.05	< 0.0002
Repository Sump	23-Jul-12	6.29	1650										J 0.0005	J 0.021	J 0.037
Repository Sump	23-Jul-13	6.51	1740											J 0.007	
Repository Sump	12-Aug-14	6.63	1580	< 0.002	< 0.0004	J 0.0001	0.006	< 0.008	< 0.0002	0.065	< 0.0002	J 0.004	J 0.0007		< 0.0002
Repository Sump	22-Jul-15	6.01	1660	J 0.003	< 0.0004	J 0.0002	0.006	< 0.008	< 0.0002	0.081	< 0.0002	< 0.004	J 0.0009	J 0.015	< 0.0002
Repository Sump	18-Jul-16	6.51	1760	< 0.002	J 0.0005	J 0.00008	0.006	< 0.008	< 0.0002	0.029	< 0.0002	< 0.004	J 0.0005	J 0.019	< 0.0002
Repository Sump	26-Jun-17	6.8	1710										J 0.0009	J 0.013	< 0.0002
Repository Sump	12-Jul-18	6.9	1890	< 0.002	< 0.0004	J 0.0001	0.0062	< 0.008	< 0.0002	0.0538	< 0.0002	J 0.004	J 0.0004	J 0.018	< 0.0002
Repository Sump	25-Jun-19	6.5	1610	< 0.01	< 0.0004	< 0.0001	0.006	< 0.06	< 0.0002	0.0643	< 0.0002	< 0.008	J 0.0005	< 0.06	< 0.0002
Repository Sump	07-Jul-20	6.66	1900	< 0.05	< 0.003	< 0.0001	0.013	< 0.01	< 0.001	0.057	< 0.001	< 0.01			
Repository Sump	30-Jun-21	6.54	1890	< 0.05	< 0.003	< 0.0001	0.007	< 0.01	< 0.001	0.05	< 0.0001	< 0.01	< 0.003	0.02	< 0.0001
Repository Sump	11-Jul-22	6.54	2050	< 0.05	< 0.003	< 0.0001	0.006	< 0.01	< 0.001	0.049	< 0.0001	< 0.01	< 0.003	< 0.01	< 0.0001
Repository Sump	28-Jun-23	6.79	1890	< 0.05	< 0.003	< 0.0001	0.007	< 0.01	< 0.001	0.013	< 0.0001	< 0.01	< 0.003	0.84	< 0.0001
Repository Sump	26-Jun-24	6.69	1810	< 0.05	< 0.003	< 0.0001	0.006	< 0.01	< 0.001	0.021	< 0.0001	< 0.01	< 0.003	0.02	< 0.0001
SBGW-107	09-Jul-02	8.36	497	0.2		< 0.0001	J 0.003	0.33	0.001	0.38		< 0.01			
SBGW-107	02-Jul-03	8.15	271	< 0.05	0.006	0.0001	< 0.001	0.02	< 0.001	0.12		< 0.01			
SBGW-107	07-Jul-04	8.13	292	< 0.05		0.0002	0.002	0.02	< 0.001	0.26		< 0.01			
SBGW-107	05-Jul-05	8.3	170	< 0.05		0.0001	J 0.003	J< 0.01	J< 0.001	0.14		J< 0.01			
SBGW-107	15-May-06	8.37	117	< 0.05		< 0.0001	0.003	< 0.01	< 0.001	0.015		< 0.01			
SBGW-107	10-Jul-06	8.52	79	< 0.05		< 0.0001	0.002	< 0.01	< 0.001	0.022		< 0.01			
SBGW-107	16-May-07	8.76	110	< 0.05		< 0.0001	0.001	< 0.01	< 0.001	0.11					
SBGW-107	26-Jun-07	8.53	80	< 0.05		< 0.0001	0.003	< 0.01	< 0.001	0.014		< 0.01			
SBGW-107	29-May-08	8.96	83	< 0.05		0.0001	< 0.001	< 0.01	< 0.001	0.021		< 0.01			
SBGW-107	14-Aug-08	8.86	83	< 0.05		< 0.0001	0.002	< 0.01	< 0.001	0.01		0.01			
SBGW-107	28-May-09	8.27	79.4	0.043		< 0.00005	0.002	< 0.025	J 0.000064	0.0026		< 0.0025			
SBGW-107	22-Jul-09	8.75	62.8	< 0.05		< 0.0012	< 0.0062	< 0.62	< 0.0012	< 0.0062		< 0.062			
SBGW-107	08-Jun-10	7.6	63.6	0.011		< 0.00008	0.0016	< 0.05	< 0.0001	0.0021		< 0.005			
SBGW-107	08-Jul-11	9.24	63.9	< 0.008		< 0.00016	JF% 0.0027	< 0.1	< 0.0002	0.012		< 0.01			
SBGW-107	10-Aug-11	8.48	49.9	0.018		< 0.00008	0.0011	< 0.05	0.00016	0.0007		< 0.005			
SBGW-107	23-Jul-12	8.62	58.4	J 0.003		< 0.000028	0.002	J 0.011	< 0.000018	0.0019		J 0.0023			
SBGW-107	25-Jul-13	7.61	60.6	0.009		< 0.00008	0.003	J 0.019	J 0.000057	0.0024		0.0065			
SBGW-107	12-Aug-14	9.48	58.8	0.006		< 0.00005	J 0.0026	0.018	< 0.0001	0.0031		< 0.002			
SBGW-107	12-Aug-14														
SBGW-107	22-Jul-15	9.75	65.6	0.007		J 0.00011	J 0.0021	< 0.004	< 0.0001	J 0.0012		< 0.002			
SBGW-107	20-Jun-16	9.54	82.3	J 0.002		< 0.00005	0.0086	< 0.004	J 0.0003	J 0.002	< 0.0002	J 0.004		1.04	< 0.0002
SBGW-107	26-Jun-17	9.16	8.8	J 0.002		< 0.00005	J 0.0014	< 0.004	< 0.0001	J 0.0015	< 0.0002	J 0.002			
SBGW-107	12-Jul-18	7.97	80.5	J 0.002		< 0.00005	J 0.0015	J 0.005	J 0.0001	J 0.0015		0.006			
SBGW-107	25-Jun-19	8.58	47.8	< 0.005	0.0101	< 0.00005	< 0.0008	< 0.005	< 0.0001	< 0.0004	< 0.0002	< 0.004			
SBGW-107	07-Jul-20	9.35	58	< 0.05	0.013	< 0.0001	0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.01			
SBGW-107	30-Jun-21	8.81	47	< 0.05	0.008	< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	0.008	2.61	< 0.0001
SBGW-107	11-Jul-22	6.83	51	< 0.05	0.007	< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	0.008	1.92	< 0.0001
SBGW-107	28-Jun-23	9.21	57	< 0.05	0.01	< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	0.011	3.21	< 0.0001
SBGW-107	28-Jun-23	9.21	57	< 0.05	0.01	< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	0.011	3.21	< 0.0001
SBGW-107	26-Jun-24	9.14	58	< 0.05	0.01	< 0.0001	0.002	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	0.012	3.76	< 0.0001
SBGW-107T	09-Jul-02	6.69	52	0.2		0.0053	0.008	0.17	0.006	< 0.005		0.03			
SBGW-107T	02-Jul-03	7.23	46	< 0.05	< 0.001	< 0.0001	< 0.001	< 0.01	< 0.001	0.003		0.02			
SBGW-107T	21-May-04		36	< 0.05		< 0.0001	0.001	< 0.01	< 0.001	< 0.003		< 0.01			
SBGW-107T	07-Jul-04	7.42	27	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003		0.01			
SBGW-107T	05-Jul-05	6.87	22	< 0.05		< 0.0001	J 0.001	J< 0.01	J 0.001	< 0.003		J< 0.01			
SBGW-107T	15-May-06	6.85	24	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003		< 0.01			
SBGW-107T	10-Jul-06	7	23	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003		< 0.01			
SBGW-107T	16-May-07	7.66	52	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003		0.01			
SBGW-107T	26-Jun-07	7.02	47	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.005		< 0.01			
SBGW-107T	26-Jun-07		47	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.005		< 0.01			
SBGW-107T	29-May-08	6.48	32	< 0.05		< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003		< 0.01			
SBGW-107T	14-Aug-08														
SBGW-107T	28-May-09	7.25	22.9	0.038		0.00012	0.0016	< 0.025	J 0.000077	0.001		0.0051			
SBGW-107T	22-Jul-09	7.95	23.4	0.016		< 0.00005	0.0006	< 0.025	< 0.00005	0.0025		0.0057			
SBGW-107T	08-Jun-10	5.83	23.6	0.008		0.00013	0.0011	< 0.05	< 0.0001	< 0.0005		0.0054			
SBGW-107T	08-Jul-11	6.94	12.6	< 0.008		< 0.00016	< 0.001	< 0.1	< 0.0002	< 0.001		< 0.01			
SBGW-107T	10-Aug-11	6.96	18.1	< 0.004		< 0.00008	0.0011	< 0.05	< 0.0001	0.0017		< 0.005			
SBGW-107T	23-Jul-12	6.96	16.6	J 0.002		J 0.000049	0.001	0.3	J 0.000023	0.16		0.0088			
SBGW-107T	25-Jul-13	6.65	17.3	0.012		J 0.000076	0.0019	0.3	0.00014	0.094		0.012			
SBGW-107T	12-Aug-14														
SBGW-107T	22-Jul-15														
SBGW-107T	20-Jun-16	6.93	16.4	J 0.002		J 0.00006	0.0085	< 0.004	J 0.0003	< 0.0005	< 0.0002	0.008		22.1	< 0.0002
SBGW-107T	26-Jun-17	7.35	6.3	J 0.002		< 0.00005	J 0.0008	< 0.004	< 0.0001	< 0.0004	< 0.0002	J 0.007			
SBGW-107T	12-Jul-18	7.79	17.2	J 0.002	< 0.0002	J 0.00013	0.0037	0.017	J 0.0003	0.0039	< 0.0002	0.01	0.0013	2.94	< 0.0002
SBGW-107T	25-Jun-19	7.07	22.1	< 0.005	< 0.0002	< 0.00005	< 0.0008	< 0.03	< 0.0001	< 0.0004	< 0.0002	< 0.004	0.0025	6.69	< 0.0002
SBGW-107T	07-Jul-20	7.06	13	< 0.05	< 0.003	< 0.0001	0.001	0.02	< 0.001	0.003	< 0.001	< 0.01			
SBGW-107T	30-Jun-21	7.13	14	< 0.05	< 0.003	< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	< 0.003	6.36	< 0.0001
SBGW-107T	11-Jul-22	6.12	13	< 0.05	< 0.003	< 0.0001	0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	< 0.003	0.93	< 0.0001
SBGW-107T	28-Jun-23	7.04	13	< 0.05	< 0.003	< 0.0001	< 0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	< 0.003	7.76	< 0.0001
SBGW-107T	26-Jun-24	7.04	13	< 0.05	< 0.003	< 0.0001	0.001	< 0.01	< 0.001	< 0.003	< 0.0001	< 0.01	< 0.003	6.78	< 0.0001

Notes:

mg/L : Milligrams per Liter
< : Less than
J : Estimated Concentration
JF : Estimated concentration due to field duplicate results exceeding acceptable limits by absolute value determination (AVD)
JF% : Estimated concentration due to field duplicate results exceeding acceptable limits by relative percent difference determination (RPD)

GROUNDWATER FIELD FORMS (PROVIDED ELECTRONICALLY)

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APPENDIX E – LABORATORY ANALYTICAL REPORTS (PROVIDED ELECTRONICALLY)

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