2019 ANNUAL HYDROLOGY REPORT

PEABODY SAGE CREEK MINE

PERMIT C-2009-087

APRIL 2020

Submitted To: Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

Prepared By: Peabody Sage Creek Mining, LLC
29515 Routt County Road 27
Oak Creek, CO 80467

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1.0 INTRODUCTION

This document constitutes the Annual Hydrology Report (AHR) for the Peabody Sage Creek Mining, LLC's Peabody Sage Creek Mine (PSCM). This AHR presents hydrologic monitoring data for the 2019 water year (October 2018 - September 2019). The AHR fulfills the reporting requirements under the Colorado Division of Reclamation, Mining and Safety (CDRMS) Permit C-2009-087. Monitoring results for prior water years are presented in previous AHRs, although selected historical data from prior years are summarized in some of the Figures, Tables and Reports for comparison to the current water year.

1.1 BACKGROUND

The PSCM is in Routt County, southeast of Hayden, Colorado, and south of RCR 27A and primarily east of RCR 27 (Figure 1).

The PSCM mining permit was approved by the CDRMS in May 2010. Excavation of the portal area began in June 2011. A large portion of the reclaimed Seneca II Mine (State Permit No. C-80-005) has been incorporated in the PSCM permit area. The last of the coal at the Seneca II Mine was removed in August 1999. Many of the hydrology monitoring sites used by the Seneca II Mine continue to be used for the PSCM.

2.0 MONITORING PROGRAM

The monitoring program consists of seven groundwater sites, 10 surface water sites and seven spring sites (Figures 1 & 2). Required monitoring frequencies and parameters are listed in CDRMS Permit C-2009-087 and NPDES Permit CO-0048275.

All field tasks were conducted using appropriate personal protective equipment (PPE); which at a minimum, consisted of nitrile gloves, eye protection and safety toe footwear.

2.1 GROUNDWATER

There are seven groundwater sites monitored at the PSCM.

	Site	Type	Unit
1	GW-S69-A (SCAL69)	Groundwater	Cow Camp Creek Alluvium
2	GW-S70-A (SGAL70)	Groundwater	Grassy Creek Alluvium
3	GW-S42P1-LWI (SOV42)	Groundwater	Wadge Overburden
4	COV2702	Groundwater	Wadge Overburden
5	CW2701	Groundwater	Wadge Coal
6	GW-S61-S (SSP61)	Groundwater	Spoils
7	GW-S62-S (SSP62)	Groundwater	Spoils

The following reports were prepared for each groundwater site: Period of Record Monitoring Summary, Water Year Monitoring Data, Period of Record Water Level Hydrograph and Period of Record TDS Trend Plot (Reports 1-7).

A Mann-Kendall test, at a 95% confidence level, was utilized to determine a statistical trend of TDS per site. Sen Slope is also represented on the TDS Trend Plots in red as a line passing through the median.

The following discussion of hydrologic data collected during the reporting period is arranged by strata monitored. For each site, the groundwater level and quality were

compared to historical data. This year's groundwater quality was also compared against Colorado Department of Public Health & Environment (CDPHE) groundwater agricultural use standards (CDPHE, Reg. 41, 2008).

Groundwater Points of Compliance (GWPOC) have been established for the PSCM (PSCM PAP page 2.04-103, Vol.1). The groundwater standards are applied to Grassy Creek Alluvial Well GW-S70-A (SGAL70).

The cadmium MDL this year was 30 or 50 ug/L. All test values this year were less than the MDL. The cadmium standard is 10 ug/L.

The lead MDL this year was 200 or 300 ug/L. All test values this year were less than the MDL. The lead standard is 100 ug/L.

2.1.1 Cow Camp Creek Alluvium

In the Cow Camp Creek Alluvium groundwater is monitored at one well: GW-S69-A (SCAL69).

The groundwater level at well GW-S69-A (SCAL69) remained within the historical range. The well shows distinct seasonal water level fluctuations. The following wells display groundwater level trends:

	Site	Increasing	Decreasing
1	GW-S69-A (SCAL69)		X

Groundwater quality concentrations remained within the CDPHE agricultural use standard range at each monitoring well except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	GW-S69-A (SCAL69)	09/03/19	Manganese	mg/L	0.2	0.38

Groundwater well GW-S69-A (SCAL69) exceeded the manganese standard in September. This standard is used to protect crops grown in soils with a pH value lower

than 6.0. In January 2008, CDPHE revised their ground water agricultural standard to reflect this pH qualifier. In soils with a higher pH (as are found in the PSCM region), a more appropriate standard would be 10 mg/l.

Well GW-S69-A (SCAL69) TDS concentrations remained within the historical range. The following wells display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	GW-S69-A (SCAL69)		X

2.1.2 Grassy Creek Alluvium

One well is monitored in the Grassy Creek Alluvium: GW-S70-A (SGAL70).

The groundwater level remained within the historical range at monitoring well GW-S70-A (SGAL70). The well displays distinct seasonal water level fluctuations. The following wells display groundwater level trends:

	Site	Increasing	Decreasing
1	GW-S70-A (SGAL70)		X

Groundwater quality concentrations remained within the CDPHE agricultural use standard range at each monitoring well except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	GW-S70-A (SGAL70)	09/03/19	Manganese	mg/L	0.2	0.32

Groundwater well GW-S70-A (SGAL70) exceeded the manganese standard in September. This standard is used to protect crops grown in soils with a pH value lower than 6.0. In January 2008, CDPHE revised their ground water agricultural standard to reflect this pH qualifier. In soils with a higher pH (as are found in the PSCM region), a more appropriate standard would be 10 mg/l.

Groundwater quality concentrations remained within the PSCM GWPOC standard range at monitoring well GW-S70-A (SGAL70).

The TDS concentration at monitoring well GW-S70-A (SGAL70) exceeds the historical range this water year. The following wells display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	GW-S70-A (SGAL70)	X	

2.1.3 WADGE OVERBURDEN

Two groundwater wells are monitored at the PSCM that are completed In the Wadge Overburden: GW-S42P1-LWI (SOV42) and COV2702.

Groundwater levels remained within the historical range at each monitoring well. The following wells display groundwater level trends:

	Site	Increasing	Decreasing
1	GW-S42P1-LWI (SOV42)	X	
2	COV2702		X

Well GW-S42P1-LWI (SOV42) exhibited an insufficient volume of water to sample in 2019. Groundwater quality concentrations remained within the CDPHE agricultural use standard range at each monitoring well except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	COV2702	05/16/19	pH	s.u.	6.5-8.5	9.34

TDS concentrations remained within the historical range at each monitoring well. Statistically significant TDS trends were not observed.

2.1.4 WADGE COAL

One well is monitored in the Wadge Coal: CW2701.

The groundwater level remained within the historical range at monitoring well CW2701. The following wells display groundwater level trends:

	Site	Increasing	Decreasing
1	CW2701		X

Groundwater quality concentrations remained within the CDPHE agricultural use standard range at each monitoring well except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	CW2701	05/16/19	Fluoride	mg/L	2	2.3
2	CW2701	05/16/19	pH	s.u.	6.5-8.5	9.69

Groundwater well CW2701 exceeded the fluoride and pH standard in May. Elevated levels of fluoride may be attributed to natural (i.e., not mining related) conditions, since elevated levels for that parameter are not found in PSCM spoil wells. Elevated values of fluoride were found in many wells before, as well as upgradient of mining. Well CW2701 had elevated levels of fluoride this year and has historically displayed high levels. Well CW2701 displays a sodium bicarbonate type water with relatively high pH values. It is suspected that the high fluoride values are related to this type of water chemistry.

The TDS concentration at monitoring well CW2701 remains within the historical range. Statistically significant TDS trends were not observed.

2.1.5 SPOILS

Two groundwater wells are monitored at the PSCM that are completed In the Spoils: GW-S61-S (SSP61) and GW-S62-S (SSP62).

Groundwater levels at both wells exceeded the historical range this water year. The following wells display groundwater level trends:

	Site	Increasing	Decreasing
1	GW-S61-S (SSP61)	X	
2	GW-S62-S (SSP62)	X	

Groundwater quality concentrations remained within the CDPHE agricultural use standard range at each monitoring well except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	GW-S61-S (SSP61)	09/03/19	Manganese	mg/L	0.2	0.31
2	GW-S62-S (SSP62)	05/07/19	Manganese	mg/L	0.2	8.05
3	GW-S62-S (SSP62)	09/03/19	Manganese	mg/L	0.2	4.88

Both groundwater wells exceeded the manganese standard in 2019. This standard is used to protect crops grown in soils with a pH value lower than 6.0. In January 2008, CDPHE revised their ground water agricultural standard to reflect this pH qualifier. In soils with a higher pH (as are found in the PSCM region), a more appropriate standard would be 10 mg/l.

TDS concentrations for both wells exhibited historical lows this water year. The following wells display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	GW-S62-S (SSP62)	X	

2.2 SURFACE WATER

There are 10 surface water sites monitored at the PSCM. Four of the 10 surface water sites are NPDES sites.

	Site	Type	Unit
1	NPDES 004 (NPDES4)	NPDES	Fish Creek
2	SW-S2-10 (SSC10)	Surface Water	Fish Creek
3	SW-S2-5 (SSLG5)	Surface Water	Little Grassy Creek
4	NPDES 002 (NPDES2)	NPDES	Little Grassy Creek
5	YSGF5	Surface Water	Grassy Creek
6	SW-S2-1 (SSG1)	Surface Water	Grassy Creek
7	NPDES 003 (NPDES3)	NPDES	Grassy Creek
8	SW-S2-2 (SSG2)	Surface Water	Grassy Creek
9	NPDES 007	NPDES	Grassy Creek
10	YSG5	Surface Water	Grassy Creek

The following reports were prepared for each surface water site: Period of Record Monitoring Summary, Water Year Monitoring Data, Period of Record Water Discharge Hydrograph and Period of Record TDS Trend Plot (Reports 8-17).

A Mann-Kendall test, at a 95% confidence level, was utilized to determine a statistical trend of TDS per site. Sen Slope is also represented on the TDS Trend Plots in red as a line passing through the median.

The following discussion of hydrologic data collected during the reporting period is arranged by drainage basin monitored. For each site, the surface water discharge and quality were compared to historical data. This year's surface water quality was also compared against Colorado Department of Public Health & Environment (CDPHE) surface water agricultural use standards (CDPHE, Reg. 31, 2009) and the appropriate CDPHE receiving stream standards: Fish Creek (Yampa Segment 13g, Regulation No. 33, December 2014), upper Grassy Creek (Yampa Segment 13i, Regulation No. 33, December 2014) or lower Grassy Creek (Yampa Segment 13j, Regulation No. 33, December 2014).

The ammonia nitrogen MDL this year was 0.2 mg/L. All test values this year were less than the MDL. The ammonia nitrogen standard is 0.05 mg/L.

The copper MDL this year was 50 or 100 ug/L. All test values this year were less than the MDL. The copper standard is 50 ug/L.

The mercury total MDL this year was 1.0 ug/L. All test values this year were less than the MDL. The mercury total standard is 0.01 ug/L.

The sulfide MDL this year was 0.1 mg/L. All test values this year were less than the MDL. The sulfide standard is 0.02 mg/L.

2.2.1 Fish Creek

Two surface water sites are monitored at the PSCM within the Fish Creek drainage: NPDES 004 (NPDES4) and SW-S2-10 (SSC10).

Surface water quality concentrations remained within the CDPHE agricultural use standard range and the CDPHE receiving stream standards at each site.

TDS concentrations remained within the historical range at NPDES 004 (NPDES4). The TDS concentration at site SW-S2-10 (SSC10) in May was lower than historical data. The following sites display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	NPDES 004 (NPDES4)	X	
2	SW-S2-10 (SSC10)	X	

2.2.2 Little Grassy Creek

Two surface water sites are monitored at the PSCM within the Little Grassy Creek drainage: SW-S2-5 (SSLG5) and NPDES 002 (NPDES2).

Surface water quality concentrations remained within the CDPHE agricultural use standard range at each site.

Surface water quality concentrations remained within the CDPHE receiving stream standards range at each monitoring site except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	SW-S2-5 (SSLG5)	05/02/19	Iron TR	mg/L	1.0	3.81

Surface water site SW-S2-5 (SSLG5) exceeded the total recoverable iron standard in May. There is a temporary modification (December 31, 2018) of the iron standard as "current conditions".

TDS concentrations remained within the historical range at both SW-S2-5 (SSLG5) and NPDES 002 (NPDES2). The following sites display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	SW-S2-5 (SSLG5)	X	
2	NPDES 002 (NPDES2)	X	

2.2.3 Grassy Creek

Five surface water sites are monitored at the PSCM within the Grassy Creek drainage from upstream to downstream: YSGF5, SW-S2-1 (SSG1), NPDES 003 (NPDES3), SW-S2-2 (SSG2), NPDES 007 and YSG5.

Surface water quality concentrations remained within the CDPHE agricultural use standard range at each site except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	YSG5	09/03/19	Manganese	mg/L	0.2	0.72

Surface water site YSG5 exceeded the manganese standard in September. This standard is only appropriate where irrigation water is applied to soils with pH values lower than 6.0.

Surface water quality concentrations remained within the CDPHE receiving stream standards range at each monitoring site except for the following:

	Site	Date	Parameter	Units	Standard	Result
1	SW-S2-1 (SSG1)	05/02/19	Iron TR	mg/L	1.0	1.78
2	SW-S2-2 (SSG2)	05/02/19	Iron TR	mg/L	1.0	1.11
3	YSG5	05/02/19	Iron TR	mg/L	1.0	2.38

Surface water sites SW-S2-1 (SSG1), SW-S2-2 (SSG2) and YSG5 exceeded the total recoverable iron standard in May. There is a temporary modification (December 31, 2018) of the iron standard as "current conditions".

TDS concentrations remained within the historical range at all Grassy Creek sites. TDS is not collected at NPDES 007. The following sites display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	YSGF5	X	
2	SW-S2-1 (SSG1)	X	
3	NPDES 003 (NPDES3)	X	
4	SW-S2-2 (SSG2)	X	
5	YSG5	X	

2.3 SPRINGS

There are seven spoil spring sites monitored at the PSCM. Two of the seven surface water sites are NPDES sites.

	Site	Type	Unit
1	Spoil Spring #1 / NPDES 006 (SSSPG1)	Spring	Spoils
2	Spoil Spring #2 / NPDES 005 (SSSPG2)	Spring	Spoils
3	Spoil Spring #3 (SSSPG3)	Spring	Spoils
4	Spoil Spring #4 (SSSPG4)	Spring	Spoils
5	Spoil Spring #5 (SSSPG5)	Spring	Spoils
6	Spoil Spring #6A (SSSPG6A)	Spring	Spoils
7	Spoil Spring #10 (SSSPG10)	Spring	Spoils

The following reports were prepared for each spoil spring site: Period of Record Monitoring Summary, Water Year Monitoring Data, Period of Record Water Discharge Hydrograph and Period of Record TDS Trend Plot (Reports 18-24).

A Mann-Kendall test, at a 95% confidence level, was utilized to determine a statistical trend of TDS per site. Sen Slope is also represented on the TDS Trend Plots in red as a line passing through the median.

The following discussion of hydrologic data collected during the reporting period is arranged by unit monitored. For each site, the spring water discharge and quality were compared to historical data. This year's surface water quality was also compared against Colorado Department of Public Health & Environment (CDPHE) surface water agricultural use standards (CDPHE, Reg. 31, 2009) and the appropriate CDPHE receiving stream standards: Fish Creek (Yampa Segment 13g, Regulation No. 33, December 2014), upper Grassy Creek (Yampa Segment 13i, Regulation No. 33, December 2014) or lower Grassy Creek (Yampa Segment 13j, Regulation No. 33, December 2014).

The ammonia nitrogen MDL this year was 0.2 mg/L. All test values this year were less than the MDL. The ammonia nitrogen standard is 0.05 mg/L.

The mercury total MDL this year was 1.0 ug/L. All test values this year were less than the MDL. The mercury total standard is 0.01 ug/L.

The sulfide MDL this year was 0.1 mg/L. All test values this year were less than the MDL. The sulfide standard is 0.02 mg/L.

2.3.1 SPOILS

Seven springs are monitored at the PSCM that are completed In the Spoils: Spoil Spring #1 / NPDES 006 (SSSPG1), Spoil Spring #2 / NPDES 005 (SSSPG2), Spoil Spring #3 (SSSPG3), Spoil Spring #4 (SSSPG4), Spoil Spring #5 (SSSPG5), Spoil Spring #6A (SSSPG6A) and Spoil Spring #10 (SSSPG10).

Discharge flow at all spring's sites remained within the historical range this water year. Three sites display an increasing discharge water flow trend: Spoil Spring #2 / NPDES 005 (SSSPG2), Spoil Spring #4 (SSSPG4) and Spoil Spring #5 (SSSPG5). Four sites display a decreasing discharge water flow trend: Spoil Spring #1 / NPDES 006 (SSSPG1), Spoil Spring #3 (SSSPG3), Spoil Spring #6A (SSSPG6A) and Spoil Spring #10 (SSSPG10). Site Spoil Spring #6A (SSSPG6A) did not flow in 2019.

Springs water quality concentrations remained within the CDPHE agricultural use standard range and the CDPHE receiving stream standards at each site.

TDS concentrations for all spring's sites remained within the historical range this water year. The following sites display a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	Spoil Spring #1 / NPDES 006 (SSSPG1)	X	
2	Spoil Spring #2 / NPDES 005 (SSSPG2)		X
3	Spoil Spring #10 (SSSPG10)	X	

2.4 METEOROLOGICAL

Meteorological data for 2019, including temperature and precipitation were obtained for Hayden, Colorado from the National Oceanic & Atmospheric Administration. This data from the Hayden Station has been utilized to evaluate the precipitation trend and compare climatological observations for the period of record (Tables 1 & 2).

For this year, 21.83 inches of precipitation was measured, which is 3.56 inches (19.49%) greater than the 1981-2019 average, 18.27 inches. Four months exhibited below average precipitation: April, July, August, and September. Snowpack runoff, as estimated by totaling November through March precipitation values, was 10.23 inches, which was 2.74 inches (36.58%) above the 1981-2019 average, 7.49 inches.

3.0 SUMMARY

No significant hydrology impacts, attributable to activities at the PSCM, were noted during 2019.

3.1 GROUNDWATER

In the area surrounding the PSCM, groundwater is not being pumped for irrigation or livestock watering purposes, nor has the CDPHE classified any aquifer in this region for any use. The included discussion is provided only to serve as a comparative basis to judge ground water quality. Domestic wells that provide drinking water for mine employees or residents are not from aquifers impacted by mining.

Groundwater sites that exhibit a level trend:

	Site	Increasing	Decreasing
1	GW-S69-A (SCAL69)		X
2	GW-S70-A (SGAL70)		X
3	GW-S42P1-LWI (SOV42)	X	
4	COV2702		X
5	CW2701		X
6	GW-S61-S (SSP61)	X	
7	GW-S62-S (SSP62)	X	

Groundwater sites and associated parameters that exceeded the CDPHE agricultural use standards:

	Site	Fluoride	Manganese	pH
1	GW-S69-A (SCAL69)		X	
2	GW-S70-A (SGAL70)		X	
3	COV2702			X
4	CW2701	X		X
5	GW-S61-S (SSP61)		X	
6	GW-S62-S (SSP62)		X	

Groundwater sites did not exceed the PSCM GWPOC standards.

Groundwater sites that exhibit a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	GW-S69-A (SCAL69)		X
2	GW-S70-A (SGAL70)	X	

3.2 SURFACE WATER

Surface water discharged from the PSCM is not used directly for irrigation. No irrigation exists on Grassy Creek or Cow Camp Creek below the PSCM. Indirectly, although, water discharged from the mine is significantly diluted by water from either Fish Creek or the Yampa River before it is diverted and used for irrigation. Due to the relative amount of dilution by additional water from both sources, the ambient water qualities of Fish Creek and the Yampa River are the dominant factors in determining their suitability for irrigation. Water discharged from the PSCM is used for livestock watering.

Surface water sites and associated parameters that exceeded the CDPHE agricultural use standards:

	Site	Manganese
1	YSG5	X

Surface water sites and associated parameters that exceeded the CDPHE receiving stream standards:

	Site	Iron TR
1	SW-S2-5 (SSLG5)	X
2	SW-S2-1 (SSG1)	X
3	SW-S2-2 (SSG2)	X
4	YSG5	X

Surface water sites that exhibit a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	NPDES 004 (NPDES4)	X	
2	SW-S2-10 (SSC10)	X	
3	SW-S2-5 (SSLG5)	X	
4	NPDES 002 (NPDES2)	X	
5	YSGF5	X	
6	SW-S2-1 (SSG1)	X	
7	NPDES 003 (NPDES3)	X	
8	SW-S2-2 (SSG2)	X	
9	YSG5	X	

3.3 SPRINGS

Springs sites did not exceed the CDPHE agricultural use standards or CDPHE receiving stream standards.

Springs sites that exhibit a statistically significant TDS trend:

	Site	Increasing	Decreasing
1	Spoil Spring #1 / NPDES 006 (SSSPG1)	X	
2	Spoil Spring #2 / NPDES 005 (SSSPG2)		X
3	Spoil Spring #10 (SSSPG10)	X	

R87W R86W

T06N

T05N

MATCH LINE

MATCH LINE

MATCH LINE

MATCH LINE

GW-S70-A(SGAL70)

YSG5

SW-S2-2(SSG2)

NPDES 007(NPDES7)

NPDES 003(NPDES3)

NPDES 002(NPDES2)

SW-S2-1(SSG1)

SPOILS SPRING #6A(SSSPG6A)

SPOILS SPRING #10(SSSPG10)

COV2702

SPOILS SPRING #5(SSSPG5)

SW-S2-5(SSLC5)

CW2701

SPOILS SPRING #4(SSSPG4)

SPOILS SPRING #3(SSSPG3)

GW-42P1-LWI(SOV42)

SPOILS SPRING #2(SSSPG2)

GW-S62-S(SSP62)

SPOILS SPRING #1(SSSPG1)

NPDES 004(NPDES4)

GW-S69-A(SCAL69)

YSGF5

Grassy

Windy Gulch

Point

Strip Mine

Nofstger Res

Nofstger Zeigler Res

Grassy Gap

Fish Creek

TWENTYMILE Creek

PARK

MOUNTAINS

LEGEND

- GROUNDWATER
- SURFACE WATER
- NPDES
- SPRING
- PERMIT BOUNDARY

0 4000'

SCALE

IMAGE SOURCE:
DIGITAL RASTER GRAPHIC COUNTY MOSAIC BY NRCS OF ROUTT COUNTY, COLORADO FROM GEOSPATIAL DATA GATEWAY (HTTPS://GDG.SC.EGOV.USDA.GOV) DOWNLOADED 10/16

DESIGNED BY: JAH	FIGURE 1 MONITORING SITE LOCATIONS
DRAWN BY: SDG	
CHECKED BY: TNS	PEABODY SAGE CREEK MINE PEABODY SAGE CREEK MINING, LLC PEABODY ENERGY
DATE: 2019	WWC ENGINEERING

R87W R86W

T06N

T05N

MATCH LINE

MATCH LINE

MATCH LINE

MATCH LINE

SPOILS SPRING #2(SSSPG2)

GW-S62-S(SSP62)

SPOILS SPRING #1(SSSPG1)

NPDES 004(NPDES4)

GW-S69-A(SCAL69)

SW-S2-10(SSC10)

TWENTYMILE PARK

Fish Creek

Foidel Creek

Spring Creek

Miller Spring Mtns.

Elk Mine

Drill Hole

Oil Well

Chavez

TRAIL

JEEP

DENVER & RIO GRANDE WESTERN

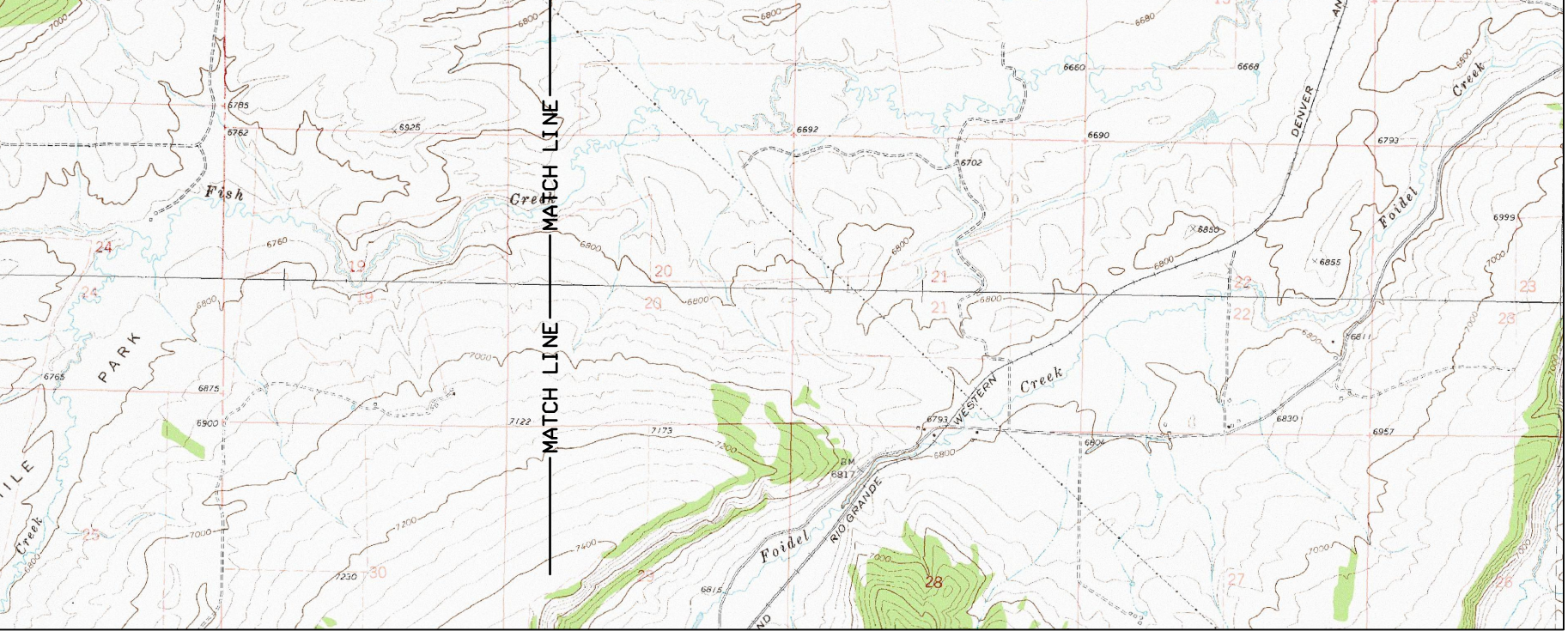

IMAGE SOURCE:
DIGITAL RASTER GRAPHIC COUNTY MOSAIC BY NRCS OF ROUTT COUNTY, COLORADO FROM GEOSPATIAL DATA GATEWAY (HTTPS://GDG.SC.EGOV.USDA.GOV) DOWNLOADED 10/16

0 4000'
SCALE

DESIGNED BY: JAH	FIGURE 2 MONITORING SITE LOCATIONS
DRAWN BY: SDG	
CHECKED BY: TNS	PEABODY SAGE CREEK MINE PEABODY SAGE CREEK MINING, LLC PEABODY ENERGY
DATE: 2019	WWC ENGINEERING

PERIOD OF RECORD PRECIPITATION SUMMARY

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
2019	2.14	1.81	1.62	2.45	1.46	2.89	1.66	1.88	3.57	0.38	0.44	1.53	**21.83**
2018	2.45	1.31	1.36	1.65	1.92	1.90	2.95	0.85	0.15	0.15	1.33	0.17	**16.19**
2017	1.29	0.91	2.06	2.70	1.47	0.84	2.06	1.85	0.13	1.68	0.46	1.74	**17.19**
2016	1.39	1.9	2.55	2.65	1.16	1.40	3.02	1.94	0.40	0.81	0.19	1.02	**18.43**
2015	1.60	2.10	1.84	0.55	1.02	1.30	1.60	4.36	0.61	2.36	1.53	0.90	**19.77**
2014	2.69	1.75	1.42	2.02	0.78	1.96	1.19	2.58	0.72	1.50	3.77	0.87	**21.25**
2013	0.86	0.46	3.21	1.02	0.73	1.29	3.58	1.67	0.06	0.46	1.48	2.76	**17.58**
2012	1.41	1.65	0.36	0.87	1.97	0.50	1.13	0.22	0.15	2.43	0.55	1.56	**12.80**
2011	2.18	1.91	2.98	1.59	2.09	2.52	4.50	3.56	0.85	1.82	0.65	1.14	**25.79**
2010	1.22	0.77	1.24	0.75	0.90	0.73	1.98	2.80	1.34	1.19	1.56	0.62	**15.10**
2009	0.53	1.16	1.38	2.80	0.60	1.32	1.40	1.89	2.08	0.51	1.04	0.48	**15.19**
2008	1.41	0.13	3.36	2.51	1.70	1.64	0.94	1.68	0.37	0.57	0.75	0.91	**15.97**
2007	2.64	0.76	0.86	1.04	1.34	1.46	0.62	0.87	0.33	0.52	1.12	2.72	**14.28**
2006	2.27	2.04	2.01	1.78	0.58	1.06	0.95	0.93	0.24	1.48	2.71	2.75	**18.80**
2005	1.34	1.68	0.50	1.49	0.84	0.99	1.97	1.41	3.36	0.57	1.57	1.30	**17.02**
2004	0.44	2.90	1.58	0.74	1.64	0.40	1.57	1.26	0.86	1.00	1.44	2.76	**16.59**
2003	1.88	1.09	1.28	0.74	1.95	0.99	2.57	1.15	1.33	0.47	0.62	1.83	**15.90**
2002	1.14	1.17	0.54	0.88	0.92	1.06	1.39	0.40	0.37	0.78	1.26	1.94	**11.86**
2001	0.67	1.60	1.16	0.96	1.41	1.07	1.28	1.15	0.85	1.11	2.06	1.66	**14.98**
2000	0.43	0.61	1.66	1.66	1.68	1.46	1.84	1.94	0.54	0.75	2.38	2.00	**16.95**
1999	1.85	0.81	1.13	2.13	0.99	0.57	3.21	2.00	1.39	2.10	1.85	0.78	**18.81**
1998	2.37	1.08	0.95	1.34	1.93	1.77	1.77	0.62	2.51	1.50	0.48	1.50	**17.82**
1997	1.79	2.39	1.69	2.88	0.97	0.48	3.19	2.75	1.60	1.05	3.57	5.48	**27.84**
1996	1.32	2.20	1.26	3.60	2.19	0.99	1.34	2.10	1.00	1.33	0.35	1.37	**19.05**
1995	0.95	2.09	0.68	1.47	0.97	0.82	3.36	4.48	1.54	1.23	0.73	2.69	**21.01**
1994	3.02	1.61	1.16	0.69	1.13	0.56	1.85	1.07	0.43	0.24	0.98	0.72	**13.46**
1993	1.46	1.48	1.33	2.28	1.66	1.53	2.55	1.14	1.29	0.65	1.37	1.39	**18.13**
1992	1.18	2.79	0.85	0.88	1.16	1.20	1.66	3.08	1.15	4.38	0.95	0.98	**20.26**
1991	3.20	1.71	1.18	1.75	0.86	2.42	1.09	0.96	1.74	1.59	2.00	1.32	**19.82**
1990	0.77	1.38	2.08	0.65	1.64	1.54	1.36	1.12	1.38	1.14	0.51	1.22	**14.79**
1989	0.13	2.79	1.13	1.02	2.50	1.38	0.45	1.39	0.53	1.82	1.33	1.52	**15.99**
1988	1.27	1.22	2.32	2.80	0.70	1.31	0.83	1.85	1.93	0.60	1.03	2.31	**18.17**
1987	2.65	1.00	0.56	1.28	1.35	1.50	1.60	1.92	0.64	1.78	1.35	0.46	**16.09**
1986	3.51	4.19	1.34	0.79	3.01	1.59	2.70	0.99	1.00	1.65	1.96	2.12	**24.85**
1985	2.61	1.68	1.80	2.40	1.01	2.40	3.77	1.40	0.68	1.28	0.64	1.17	**20.84**
1984	2.16	2.82	5.03	0.59	0.43	2.31	2.68	1.33	2.36	1.84	2.61	1.31	**25.47**
1983	1.64	1.52	1.03	1.10	1.66	2.17	2.28	1.57	2.76	1.88	1.08	0.79	**19.48**
1982	3.76	0.78	2.51	1.71	0.62	2.64	1.92	0.97	0.46	1.60	1.19	2.64	**20.80**
1981	1.09	0.33	0.43	0.53	0.45	2.50	0.69	3.97	1.65	2.24	1.12	1.33	**16.33**
AVG	**1.71**	**1.58**	**1.58**	**1.56**	**1.32**	**1.45**	**1.96**	**1.77**	**1.14**	**1.29**	**1.33**	**1.58**	**18.27**

Data from October 1980 to February 1982, and 2011 Water Year and later, from U.S. Department of Commerce - NOAA - Hayden Station. All other data from Seneca II Mine Meteorological Station with Belfort Weighing Bucket Rain Gage. Site relocated to USGS site on August 31, 1991. Precipitation recorded in inches.

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
Station: **HAYDEN, CO US USC00053867**

Record of Climatological Observations

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Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	10	01	73	45	67	0.00		0.0		0.0								
2018	10	02	68	44	63	0.01		0.0		0.0								
2018	10	03	67	52	60	0.08		0.0		0.0								
2018	10	04	60	44	49	0.51		0.0		0.0								
2018	10	05	49	36	38	0.21		0.0		0.0								
2018	10	06	55	28	42	0.16		0.0		0.0								
2018	10	07	53	36	47	0.31		0.0		0.0								
2018	10	08	47	32	37	0.46		0.5		0.0								
2018	10	09	49	33	43	0.02		0.0		0.0								
2018	10	10	46	33	34	0.16		T		0.0								
2018	10	11	42	31	41	0.04		0.0		0.0								
2018	10	12	54	29	49	0.09		0.0		0.0								
2018	10	13	58	25	51	T		0.0		0.0								
2018	10	14	51	22	29	0.07		0.5		0.0								
2018	10	15	42	12	37	0.00		0.0		0.0								
2018	10	16	57	20	52	0.00		0.0		0.0								
2018	10	17	64	30	53	0.00		0.0		0.0								
2018	10	18	56	27	48	T		0.0		0.0								
2018	10	19	60	26	52	0.12		0.0		0.0								
2018	10	20	66	29	57	0.00		0.0		0.0								
2018	10	21	68	32	60	0.00		0.0		0.0								
2018	10	22	68	35	58	0.00		0.0		0.0								
2018	10	23	63	41	51	0.02		0.0		0.0								
2018	10	24	58	37	50	0.18		0.0		0.0								
2018	10	25	57	29	50	0.00		0.0		0.0								
2018	10	26	56	31	51	0.00		0.0		0.0								
2018	10	27	65	30	58	0.00		0.0		0.0								
2018	10	28	69	30	60	0.00		0.0		0.0								
2018	10	29	68	30	57	0.00		0.0		0.0								
2018	10	30	57	34	40	0.00		0.0		0.0								
2018	10	31	45	13	38	0.00		0.0		0.0								
		Summary	58	31		2.44		1.0										

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"s" This data value failed one of NCDC's quality control tests.

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National Oceanic & Atmospheric Administration
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Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
Station: **HAYDEN, CO US USC00053867**

Record of Climatological Observations

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Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	11	01	41	27	37	0.14		2.0		0.0								
2018	11	02	54	36	50	0.06		0.0		0.0								
2018	11	03	50	34	42	0.01		0.0		0.0								
2018	11	04	42	26	31	0.37		3.0		3.0								
2018	11	05	39	29	33	0.09		1.0		2.0								
2018	11	06	40	26	37	0.00		0.0		1.0								
2018	11	07	41	21	29	T		T		0.0								
2018	11	08	33	19	27	T		T		0.0								
2018	11	09	40	10	27	0.00		0.0		0.0								
2018	11	10	40	14	29	0.00		0.0		0.0								
2018	11	11	31	9	25	T		T		0.0								
2018	11	12	31	4	19	0.00		0.0		0.0								
2018	11	13	40	10	30	0.00		0.0		0.0								
2018	11	14	49	15	38	0.00		0.0		0.0								
2018	11	15	50	17	34	0.00		0.0		0.0								
2018	11	16	52	17	39	0.00		0.0		0.0								
2018	11	17	39	21	24	0.06		1.0		1.0								
2018	11	18	39	13	23	0.00		0.0		1.0								
2018	11	19	43	9	28	0.00		0.0		1.0								
2018	11	20	51	14	35	0.00		0.0		0.0								
2018	11	21	52	16	38	0.00		0.0		0.0								
2018	11	22	40	18	29	0.17		1.5		1.0								
2018	11	23	38	23	32	0.04		1.0		2.0								
2018	11	24	42	22	23	0.30		4.0		4.0								
2018	11	25	31	14	18	0.00		0.0		4.0								
2018	11	26	31	2	21	0.00		0.0		4.0								
2018	11	27	34	6	28	0.00		0.0		3.0								
2018	11	28	37	24	33	0.00		0.0		3.0								
2018	11	29	39	29	32	0.41		4.0		4.0								
2018	11	30	34	28	28	0.16		1.0		4.0								
Summary			41	18		1.81		18.5										

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National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
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Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	12	01	34	16	17	0.17		2.5		7.0								
2018	12	02	25	3	15	0.00		0.0		7.0								
2018	12	03	24	6	15	0.12		2.0		9.0								
2018	12	04	22	2	7	0.09		1.0		10.0								
2018	12	05	18	-3	17	0.06		1.0		11.0								
2018	12	06	30	15	24	T		T		11.0								
2018	12	07	36	23	24	0.07		1.0		9.0								
2018	12	08	34	21	29	0.01		0.1		9.0								
2018	12	09	33	18	18	0.01		0.5		9.0								
2018	12	10	32	6	19	0.00		0.0		8.0								
2018	12	11	36	14	17	0.00		0.0		8.0								
2018	12	12	30	7	26	0.08		1.5		10.0								
2018	12	13	30	1	13	0.00		0.0		10.0								
2018	12	14	27	2	18	0.00		0.0		10.0								
2018	12	15	33	8	22	0.00		0.0		10.0								
2018	12	16	39	12	25	0.00		0.0		9.0								
2018	12	17	31	14	27	0.00		0.0		9.0								
2018	12	18	39	22	30	0.00		0.0		8.0								
2018	12	19	37	28	28	T		T		8.0								
2018	12	20	36	9	23	0.00		0.0		8.0								
2018	12	21	33	12	31	0.00		0.0		8.0								
2018	12	22	31	11	12	0.21		2.5		11.0								
2018	12	23	25	-1	16	0.00		0.0		11.0								
2018	12	24	29	16	26	0.33		4.5		15.0								
2018	12	25	36	13	14	0.00		0.0		14.0								
2018	12	26	30	14	22	0.12		1.5		15.0								
2018	12	27	30	6	7	T		0.1		15.0								
2018	12	28	10	-9	0	0.00		0.0		15.0								
2018	12	29	17	-9	14	0.00		0.0		15.0								
2018	12	30	26	11	21	T		0.1		15.0								
2018	12	31	22	3	3	0.35		3.5		17.0								
Summary			30	9		1.62		21.8										

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Record of Climatological Observations

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	01	01	3	-14	-5	0.00		0.0		17.0								
2019	01	02	5	-21	-5	0.00		0.0		16.0								
2019	01	03	19	-10	10	0.00		0.0		16.0								
2019	01	04	31	6	22	0.00		0.0		16.0								
2019	01	05	28	2	25	0.00		0.0		15.0								
2019	01	06	39	18	28	0.13		3.0		16.0								
2019	01	07	37	16	25	0.12		1.5		16.0								
2019	01	08	29	12	19	T		T		16.0								
2019	01	09	33	13	21	0.00		0.0		16.0								
2019	01	10	30	9	21	0.00		0.0		16.0								
2019	01	11	30	16	26	0.10		1.5		17.0								
2019	01	12	26	18	20	T		T		17.0								
2019	01	13	20	2	6	0.00		0.0		17.0								
2019	01	14	9	-11	-1	0.00		0.0		17.0								
2019	01	15	34	-9	28	0.00		0.0		16.0								
2019	01	16	35	24	30	0.22		2.0		18.0								
2019	01	17	33	19	29	0.12		1.5		19.0								
2019	01	18	31	25	25	1.08		11.0		28.0								
2019	01	19	25	3	24	0.00		0.0		27.0								
2019	01	20	34	19	23	0.00		0.0		26.0								
2019	01	21	41	14	30	T		T		25.0								
2019	01	22	30	14	16	0.08		1.0		24.0								
2019	01	23	16	-3	15	0.16		5.0		29.0								
2019	01	24	30	15	21	0.29		6.0		33.0								
2019	01	25	32	15	21	0.10		2.0		31.0								
2019	01	26	33	17	17	0.05		1.0		31.0								
2019	01	27	31	12	24	0.00		0.0		30.0								
2019	01	28	26	12	12	0.00		0.0		28.0								
2019	01	29	18	-4	8	0.00		0.0		28.0								
2019	01	30	15	-9	11	0.00		0.0		27.0								
2019	01	31	24	-5	11	0.00		0.0		27.0								
		Summary	27	7		2.45		35.5										

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			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	02	01	28	3	19	0.00		0.0		26.0								
2019	02	02	42	10	38	0.00		0.0		25.0								
2019	02	03	43	27	31	0.06		T		23.0								
2019	02	04	40	27	35	0.00		0.0		23.0								
2019	02	05	39	27	28	0.02		0.5		23.0								
2019	02	06	31	14	14	0.17		3.5		25.0								
2019	02	07	16	-1	7	0.09		1.0		25.0								
2019	02	08	17	-9	9	0.00		0.0		25.0								
2019	02	09	20	-2	16	0.00		0.0		25.0								
2019	02	10	32	3	27	0.00		0.0		25.0								
2019	02	11	31	7	7	0.04		0.5		25.0								
2019	02	12	22	-6	17	0.00		0.0		25.0								
2019	02	13	39	14	29	0.08		1.0		25.0								
2019	02	14	41	27	34	0.20		2.0		25.0								
2019	02	15	44	31	36	0.36		0.0		24.0								
2019	02	16	36	19	19	0.14		2.0		25.0								
2019	02	17	23	7	15	T		0.3		25.0								
2019	02	18	21	8	13	T		T		25.0								
2019	02	19	17	-4	4	0.12		1.2		26.0								
2019	02	20	30	-2	13	0.05		0.5		26.0								
2019	02	21	24	8	17	0.00		0.0		26.0								
2019	02	22	24	11	16	0.07		0.8		27.0								
2019	02	23	19	-5	15	T		T		27.0								
2019	02	24	29	8	24	0.00		0.0		26.0								
2019	02	25	32	3	27	0.00		0.0		26.0								
2019	02	26	42	9	32	0.00		0.0		26.0								
2019	02	27	38	12	33	0.00		0.0		26.0								
2019	02	28	44	25	36	0.06		0.3		25.0								
Summary			31	10		1.46		13.6										

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
Station: **HAYDEN, CO US USC00053867**

Record of Climatological Observations

These data are quality controlled and may not be identical to the original observations.

Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	03	01	38	28	30	0.15		1.5		26.0								
2019	03	02	31	26	26	0.75		7.0		33.0								
2019	03	03	26	11	14	0.21		4.0		36.0								
2019	03	04	18	-2	8	0.01		0.2		34.0								
2019	03	05	34	-3	29	0.00		0.0		33.0								
2019	03	06	37	28	33	0.42		1.5		31.0								
2019	03	07	45	32	36	T		T		29.0								
2019	03	08	39	27	30	0.32		2.0		31.0								
2019	03	09	34	15	24	0.08		1.0		30.0								
2019	03	10	34	21	29	0.07		0.3		29.0								
2019	03	11	34	16	31	0.00		0.0		29.0								
2019	03	12	37	14	31	0.00		0.0		29.0								
2019	03	13	34	25	25	0.71		7.0		36.0								
2019	03	14	27	16	23	0.00		0.0		34.0								
2019	03	15	30	1	26	0.00		0.0		34.0								
2019	03	16	34	5	29	0.00		0.0		34.0								
2019	03	17	35	10	30	0.00		0.0		34.0								
2019	03	18	39	12	32	0.00		0.0		33.0								
2019	03	19	38	8	32	0.00		0.0		32.0								
2019	03	20	40	11	31	0.00		0.0		32.0								
2019	03	21	45	21	35	0.00		0.0		32.0								
2019	03	22	41	21	36	0.08		0.5		31.0								
2019	03	23	45	27	37	0.01		0.0		29.0								
2019	03	24	41	27	37	0.02		0.0		28.0								
2019	03	25	43	25	36	0.01		0.3		27.0								
2019	03	26	49	24	46	0.00		0.0		26.0								
2019	03	27	52	27	46	0.00		0.0		25.0								
2019	03	28	53	28	44	0.00		0.0		24.0								
2019	03	29	44	28	33	0.05		T		24.0								
2019	03	30	39	22	35	0.00		0.0		23.0								
2019	03	31	43	13	35	0.00		0.0		22.0								
		Summary	38	18		2.89		25.3										

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National Environmental Satellite, Data, and Information Service

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Record of Climatological Observations

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Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	04	01	46	19	40	0.00		0.0		20.0								
2019	04	02	47	30	44	0.04		0.7		19.0								
2019	04	03	62	32	37	0.12		0.0		17.0								
2019	04	04	54	31	49	0.00		0.0		14.0								
2019	04	05	60	33	54	0.00		0.0		10.0								
2019	04	06	56	35	47	0.01		0.0		9.0								
2019	04	07	56	27	54	0.07		0.0		4.0								
2019	04	08	65	30	60	0.00		0.0		0.0								
2019	04	09	65	35	59	0.00		0.0		0.0								
2019	04	10	59	32	33	T		T		0.0								
2019	04	11	39	22	34	0.02		T		0.0								
2019	04	12	36	26	33	0.05		T		0.0								
2019	04	13	44	27	40	0.02		T		0.0								
2019	04	14	53	24	50	T		0.0		0.0								
2019	04	15	60	38	58	T		0.0		0.0								
2019	04	16	63	34	56	0.00		0.0		0.0								
2019	04	17	57	36	53	T		0.0		0.0								
2019	04	18	61	38	60	0.00		0.0		0.0								
2019	04	19	70	30	68	0.00		0.0		0.0								
2019	04	20	74	36	59	0.00		0.0		0.0								
2019	04	21	59	36	56	0.05		0.0		0.0								
2019	04	22	63	30	52	0.00		0.0		0.0								
2019	04	23	67	28	63	0.00		0.0		0.0								
2019	04	24	68	37	60	0.00		0.0		0.0								
2019	04	25	68	36	65	0.00		0.0		0.0								
2019	04	26	71	34	52	0.08		0.0		0.0								
2019	04	27	64	34	63	0.37		0.0		0.0								
2019	04	28	66	35	55	0.02		0.0		0.0								
2019	04	29	55	25	36	0.21		1.0		0.0								
2019	04	30	48	34	43	0.60		0.0		0.0								
		Summary	59	31		1.66		1.7										

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Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
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Record of Climatological Observations

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Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	05	01	45	23	43	0.42		1.0		0.0								
2019	05	02	54	27	52	0.00		0.0		0.0								
2019	05	03	60	28	59	0.00		0.0		0.0								
2019	05	04	64	28	60	0.00		0.0		0.0								
2019	05	05	68	34	63	0.00		0.0		0.0								
2019	05	06	68	38	60	0.00		0.0		0.0								
2019	05	07	69	39	64	0.00		0.0		0.0								
2019	05	08	64	35	44	0.03		0.0		0.0								
2019	05	09	49	33	43	0.04		0.0		0.0								
2019	05	10	56	33	54	0.00		0.0		0.0								
2019	05	11	63	27	59	0.00		0.0		0.0								
2019	05	12	69	33	66	0.00		0.0		0.0								
2019	05	13	74	36	72	0.00		0.0		0.0								
2019	05	14	76	41	67	0.00		0.0		0.0								
2019	05	15	75	42	68	0.00		0.0		0.0								
2019	05	16	73	46	67	0.00		0.0		0.0								
2019	05	17	68	42	44	0.02		0.0		0.0								
2019	05	18	56	34	54	0.12		0.0		0.0								
2019	05	19	56	32	54	T		0.0		0.0								
2019	05	20	54	36	45	0.05		0.0		0.0								
2019	05	21	45	31	43	0.49		1.0		0.0								
2019	05	22	50	32	48	0.02		0.0		0.0								
2019	05	23	64	34	42	0.17		T		0.0								
2019	05	24	56	38	52	0.00		0.0		0.0								
2019	05	25	69	33	67	0.00		0.0		0.0								
2019	05	26	70	38	61	0.00		0.0		0.0								
2019	05	27	61	41	55	0.03		0.0		0.0								
2019	05	28	55	34	39	0.37		0.0		0.0								
2019	05	29	56	36	55	0.10		0.0		0.0								
2019	05	30	65	35	61	T		0.0		0.0								
2019	05	31	68	39	61	0.02		0.0		0.0								
		Summary	62	35		1.88		2.0										

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Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
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Record of Climatological Observations

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	06	01	73	42	71	0.07		0.0		0.0								
2019	06	02	75	44	58	0.02		0.0		0.0								
2019	06	03	72	41	59	0.06		0.0		0.0								
2019	06	04	75	39	67	0.02		0.0		0.0								
2019	06	05	77	43	74	0.00		0.0		0.0								
2019	06	06	79	45	72	T		0.0		0.0								
2019	06	07	79	49	76	0.00		0.0		0.0								
2019	06	08	76	43	62	0.00		0.0		0.0								
2019	06	09	62	31	62	0.00		0.0		0.0								
2019	06	10	74		71	0.00		0.0		0.0								
2019	06	11	74	35	73	0.00		0.0		0.0								
2019	06	12	76	38	74	0.00		0.0		0.0								
2019	06	13	78	46	65	0.00		0.0		0.0								
2019	06	14	77	44	54	0.08		0.0		0.0								
2019	06	15	73	42	72	0.20		0.0		0.0								
2019	06	16	76	49	73	0.02		0.0		0.0								
2019	06	17	73	50	59	0.08		0.0		0.0								
2019	06	18	65	48	56	0.06		0.0		0.0								
2019	06	19	75	43	75	0.16		0.0		0.0								
2019	06	20	79	44	61	0.12		0.0		0.0								
2019	06	21	61	31	41	2.04		1.0		0.0								
2019	06	22	54	38	51	0.08		0.0		0.0								
2019	06	23	58	33	57	0.51		0.0		0.0								
2019	06	24	71	39	67	0.00		0.0		0.0								
2019	06	25	78	45	73	0.05		0.0		0.0								
2019	06	26	81	48	79	0.00		0.0		0.0								
2019	06	27	82	44	80	0.00		0.0		0.0								
2019	06	28	85	48	84	0.00		0.0		0.0								
2019	06	29	86	52	85	0.00		0.0		0.0								
2019	06	30	85	53	77	T		0.0		0.0								
		Summary	74	43		3.57		1.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	07	01	80	43	70	0.12		0.0		0.0								
2019	07	02	72	43	68	0.00		0.0		0.0								
2019	07	03	74	49	73	0.04		0.0		0.0								
2019	07	04	82	43	80	0.00		0.0		0.0								
2019	07	05	81	44	79	0.00		0.0		0.0								
2019	07	06	83	48	80	0.00		0.0		0.0								
2019	07	07	80	38	70	0.02		0.0		0.0								
2019	07	08	75	52	72	0.00		0.0		0.0								
2019	07	09	81	44	80	0.00		0.0		0.0								
2019	07	10	84	45	82	0.00		0.0		0.0								
2019	07	11	88	50	87	0.00		0.0		0.0								
2019	07	12	88	52	86	0.00		0.0		0.0								
2019	07	13	86	53	76	0.00		0.0		0.0								
2019	07	14	88	51	85	0.00		0.0		0.0								
2019	07	15	85	55	78	T		0.0		0.0								
2019	07	16	88	51	84	0.00		0.0		0.0								
2019	07	17	87	51	84	0.00		0.0		0.0								
2019	07	18	86	48	84	0.00		0.0		0.0								
2019	07	19	89	47	86	0.00		0.0		0.0								
2019	07	20	86	49	80	0.00		0.0		0.0								
2019	07	21	88	53	85	0.06		0.0		0.0								
2019	07	22	91	57	68	0.04		0.0		0.0								
2019	07	23	89	50	87	0.00		0.0		0.0								
2019	07	24	88	53	73	0.00		0.0		0.0								
2019	07	25	82	55	79	0.01		0.0		0.0								
2019	07	26	85	51	68	0.06		0.0		0.0								
2019	07	27	83	55	69	T		0.0		0.0								
2019	07	28	83	50	81	0.03		0.0		0.0								
2019	07	29	87	48	84	0.00		0.0		0.0								
2019	07	30	88	53	84	0.00		0.0		0.0								
2019	07	31	84	55	72	0.00		0.0		0.0								
		Summary	84	50		0.38		0.0										

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Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	08	01	76	56	75	0.21		0.0		0.0								
2019	08	02	86	53	83	0.00		0.0		0.0								
2019	08	03	89	54	85	0.00		0.0		0.0								
2019	08	04	85	53	71	0.00		0.0		0.0								
2019	08	05	86	50	82	0.06		0.0		0.0								
2019	08	06	90	52	76	0.00		0.0		0.0								
2019	08	07	87	53	67	T		0.0		0.0								
2019	08	08	81	56	74	0.02		0.0		0.0								
2019	08	09	83	54	80	0.05		0.0		0.0								
2019	08	10	85	51	82	0.00		0.0		0.0								
2019	08	11	82	54	61	0.07		0.0		0.0								
2019	08	12	83	47	81	0.00		0.0		0.0								
2019	08	13	84	43	83	0.00		0.0		0.0								
2019	08	14	86	46	81	0.00		0.0		0.0								
2019	08	15	87	44	80	0.00		0.0		0.0								
2019	08	16	86	47	66	0.00		0.0		0.0								
2019	08	17	82	49	71	0.00		0.0		0.0								
2019	08	18	87	46	85	0.00		0.0		0.0								
2019	08	19	89	46	85	0.00		0.0		0.0								
2019	08	20	90	46	86	0.00		0.0		0.0								
2019	08	21	89	45	87	0.00		0.0		0.0								
2019	08	22	87	47	71	0.03		0.0		0.0								
2019	08	23	83	54	77	0.00		0.0		0.0								
2019	08	24	82	41	75	0.00		0.0		0.0								
2019	08	25	88	45	84	0.00		0.0		0.0								
2019	08	26	84	43	78	0.00		0.0		0.0								
2019	08	27	80	36	77	0.00		0.0		0.0								
2019	08	28	86	39	84	0.00		0.0		0.0								
2019	08	29	84	42	80	0.00		0.0		0.0								
2019	08	30	85	49	71	T		0.0		0.0								
2019	08	31	89	48	85	0.00		0.0		0.0								
		Summary	85	48		0.44		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 6467 ft. Lat: 40.4926° N Lon: -107.2548° W
Station: **HAYDEN, CO US USC00053867**

Record of Climatological Observations

These data are quality controlled and may not be identical to the original observations.

Generated on 03/17/2020

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Observation Time Temperature: 1800 Observation Time Precipitation: 1800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time				At Obs. Time			4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	09	01	90	47	84	0.00		0.0		0.0								
2019	09	02	91	48	87	0.00		0.0		0.0								
2019	09	03	87	42	80	0.00		0.0		0.0								
2019	09	04	88	52	82	0.00		0.0		0.0								
2019	09	05	90	50	78	0.00		0.0		0.0								
2019	09	06	87	51	72	T		0.0		0.0								
2019	09	07	80	48	77	0.10		0.0		0.0								
2019	09	08	77	46	59	0.18		T		0.0								
2019	09	09	73	48	70	0.89		0.0		0.0								
2019	09	10	77	44	60	0.00		0.0		0.0								
2019	09	11	67	48	51	0.17		0.0		0.0								
2019	09	12	64	39	60	0.15		0.0		0.0								
2019	09	13	73	37	70	0.00		0.0		0.0								
2019	09	14	79	40	73	0.00		0.0		0.0								
2019	09	15	81	40	77	0.00		0.0		0.0								
2019	09	16	78	46	73	0.00		0.0		0.0								
2019	09	17	74	45	69	0.00		0.0		0.0								
2019	09	18	77	36	73	0.00		0.0		0.0								
2019	09	19	81	43	75	0.00		0.0		0.0								
2019	09	20	75	44	62	0.00		0.0		0.0								
2019	09	21	64	29	61	0.00		0.0		0.0								
2019	09	22	67	27	61	0.00		0.0		0.0								
2019	09	23	76	34	70	0.00		0.0		0.0								
2019	09	24	75	31	69	0.00		0.0		0.0								
2019	09	25	74	34	68	0.00		0.0		0.0								
2019	09	26	80	36	74	0.00		0.0		0.0								
2019	09	27	75	46	62	0.00		0.0		0.0								
2019	09	28	78	47	70	0.02		0.0		0.0								
2019	09	29	76	50	71	0.00		0.0		0.0								
2019	09	30	71	39	61	0.02		0.0		0.0								
Summary			78	42		1.53		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

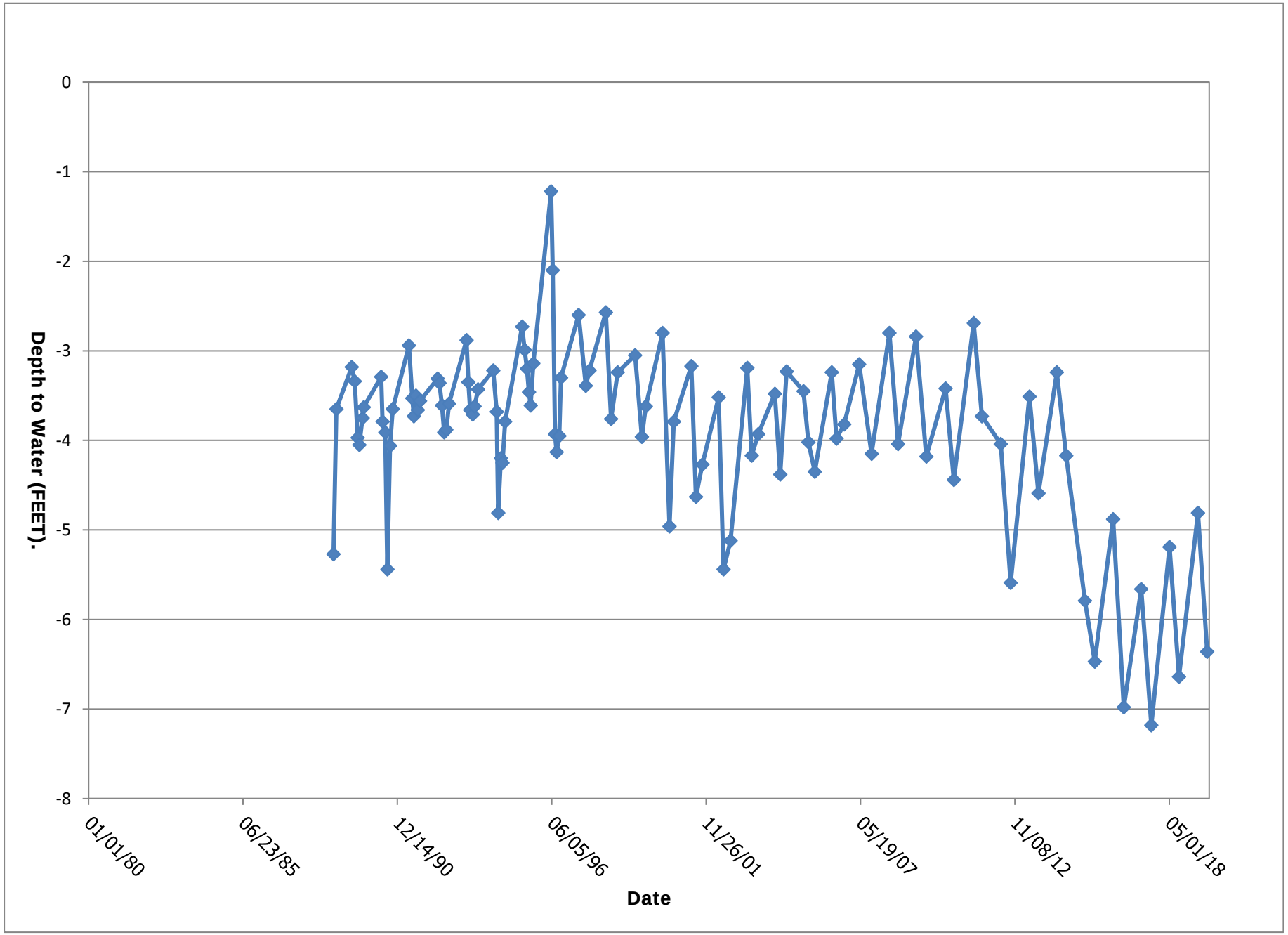
"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

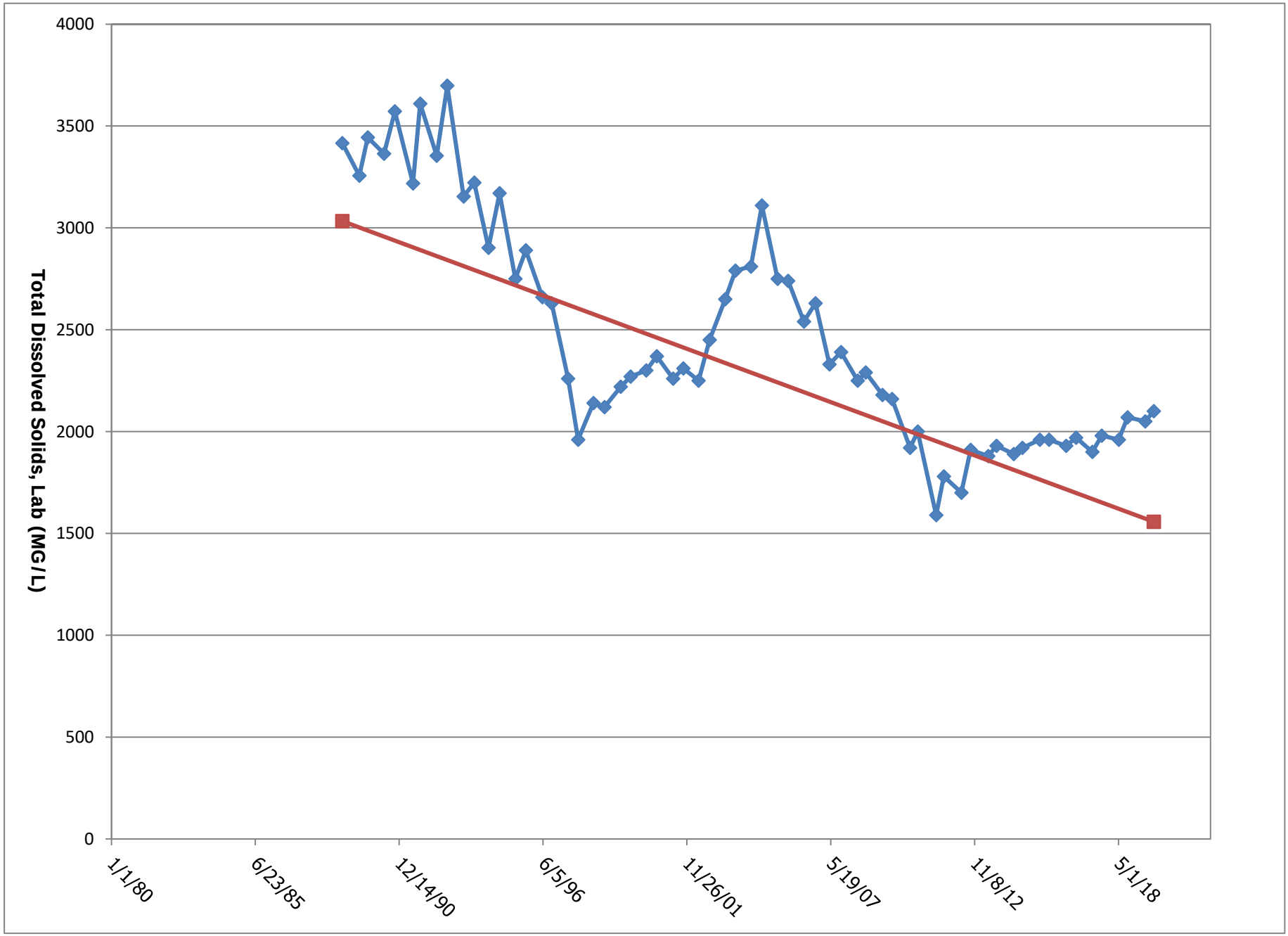
				loc_report_order	2							
				Location Code	SCAL69							
				Location Name								
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	10/15/1988	9/3/2019	63	2681	2550	3700	2050	451.9
2	3002 - AHR Wells Long	pH, Field	N	S.U.	10/15/1988	9/3/2019	63	7.1	7.06	7.76	6.6	0.27
3	3002 - AHR Wells Long	Temperature, Field	N	C	10/15/1988	9/3/2018	61	10	10.2	15	5.8	2.62
3	3002 - AHR Wells Long	Temperature, Field	N	DEG-C	5/7/2019	9/3/2019	2	10.4	10.4	13.5	7.3	4.38
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	10/15/1988	9/8/2015	50	371	370	476	279	41
6	3002 - AHR Wells Long	Aluminum	D	MG/L	10/15/1988	9/8/2015	50	0.05	0.05	0.06	0.03	0.01
7	3002 - AHR Wells Long	Arsenic	D	UG/L	10/15/1988	9/8/2015	50	1	1	5	0.2	0.8
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	10/15/1988	5/24/2011	46	456	454	581	341	49.9
9	3002 - AHR Wells Long	Boron	D	UG/L	10/15/1988	9/8/2015	50	150	150	250	70	37
10	3002 - AHR Wells Long	Cadmium	D	UG/L	10/15/1988	9/8/2015	50	6	5	10	3	2
11	3002 - AHR Wells Long	Calcium	D	MG/L	10/15/1988	9/8/2015	50	335	314	539	199	94.5
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	10/15/1988	5/24/2011	46	1	2	2	0	0.9
13	3002 - AHR Wells Long	Chloride	N	MG/L	10/15/1988	9/8/2015	50	15.2	12.5	32	8	6.53
14	3002 - AHR Wells Long	Chromium	D	UG/L	10/15/1988	9/8/2015	50	10	10	20	10	5
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	10/15/1988	9/8/2015	50	2791	2720	4350	1830	520.2
16	3002 - AHR Wells Long	Copper	D	UG/L	10/15/1988	9/8/2015	50	20	20	30	10	6
17	3002 - AHR Wells Long	Fluoride	N	MG/L	10/15/1988	5/7/2019	60	0.23	0.2	0.37	0.1	0.053
18	3002 - AHR Wells Long	Hardness	N	MG/L	10/15/1988	9/8/2015	50	1549	1445	2340	995	371.1
19	3002 - AHR Wells Long	Iron	D	MG/L	10/15/1988	9/3/2019	63	0.0917	0.03	1.77	0.02	0.232
20	3002 - AHR Wells Long	Lead	D	UG/L	10/15/1988	9/8/2015	50	50	40	80	20	30
21	3002 - AHR Wells Long	Magnesium	D	MG/L	10/15/1988	9/8/2015	50	173	166	242	121	34.3
22	3002 - AHR Wells Long	Manganese	D	MG/L	10/15/1988	9/3/2019	63	0.8	0.73	1.39	0.15	0.351
23	3002 - AHR Wells Long	Mercury	D	UG/L	10/15/1988	9/8/2015	50	0.21	0.2	1.6	0.1	0.2
24	3002 - AHR Wells Long	Nickel	D	UG/L	10/15/1988	9/8/2015	50	20	20	20	8	5
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	10/15/1988	5/7/2019	60	0.124	0.06	1.22	0.01	0.19
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	10/15/1988	5/7/2019	60	0.01	0.01	0.05	0.01	0.007
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	10/15/1988	9/8/2015	50	7.5	7.5	8.2	6.8	0.41
30	3002 - AHR Wells Long	Potassium	D	MG/L	10/15/1988	9/8/2015	50	2.4	2.2	4	1.8	0.5
31	3002 - AHR Wells Long	Selenium	D	UG/L	10/15/1988	5/7/2019	60	1.1	1	5	0.1	0.99
32	3002 - AHR Wells Long	Sodium	D	MG/L	10/15/1988	9/8/2015	50	198	194	279	142	31.1
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	10/15/1988	9/8/2015	50	2.22	2.21	2.84	1.34	0.215
34	3002 - AHR Wells Long	Sulfates	N	MG/L	10/15/1988	5/7/2019	60	1448	1355	2247	880	378.6

					loc_report_order	2						
					Location Code	SCAL69						
					Location Name							
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
35	3002 - AHR Wells Long	Sulfide	N	MG/L	10/15/1988	9/8/2015	50	0.152	0.025	3.55	0.01	0.546
37	3002 - AHR Wells Long	Zinc	D	MG/L	10/15/1988	9/8/2015	50	0.02	0.02	0.04	0.01	0.008
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	10/15/1988	9/8/2015	49	-0.112	0	6.2	-5.7	2.43
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	10/15/1988	9/3/2019	63	2464	2290	3698	1590	552
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	10/15/1988	9/8/2015	50	2473.69	2325	3585	1580	531.413

			loc_report_order	2		2	
			sys_loc_code	SCAL69		SCAL69	
			Date	5/7/2019		9/3/2019	
			Depth to Water (FT)	4.81		6.36	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
1	Specific Conductivity, Field	N	UMHOS/CM	Y	2170	Y	2590
2	pH, Field	N	S.U.	Y	7.76	Y	6.99
3	Temperature, Field	N	DEG-C	Y	7.3	Y	13.5
17	Fluoride	N	MG/L	Y	0.3		
19	Iron	D	MG/L	N	0.2	N	0.2
22	Manganese	D	MG/L	Y	0.15	Y	0.38
25	Nitrate Nitrogen	N	MG/L	Y	0.03		
27	Nitrite Nitrogen	N	MG/L	N	0.05		
31	Selenium	D	UG/L	N	5		
34	Sulfates	N	MG/L	Y	1140		
39	Total Dissolved Solids, Lab	N	MG/L	Y	2050	Y	2100



Period of Record Depth to Water Hydrograph
SCAL69



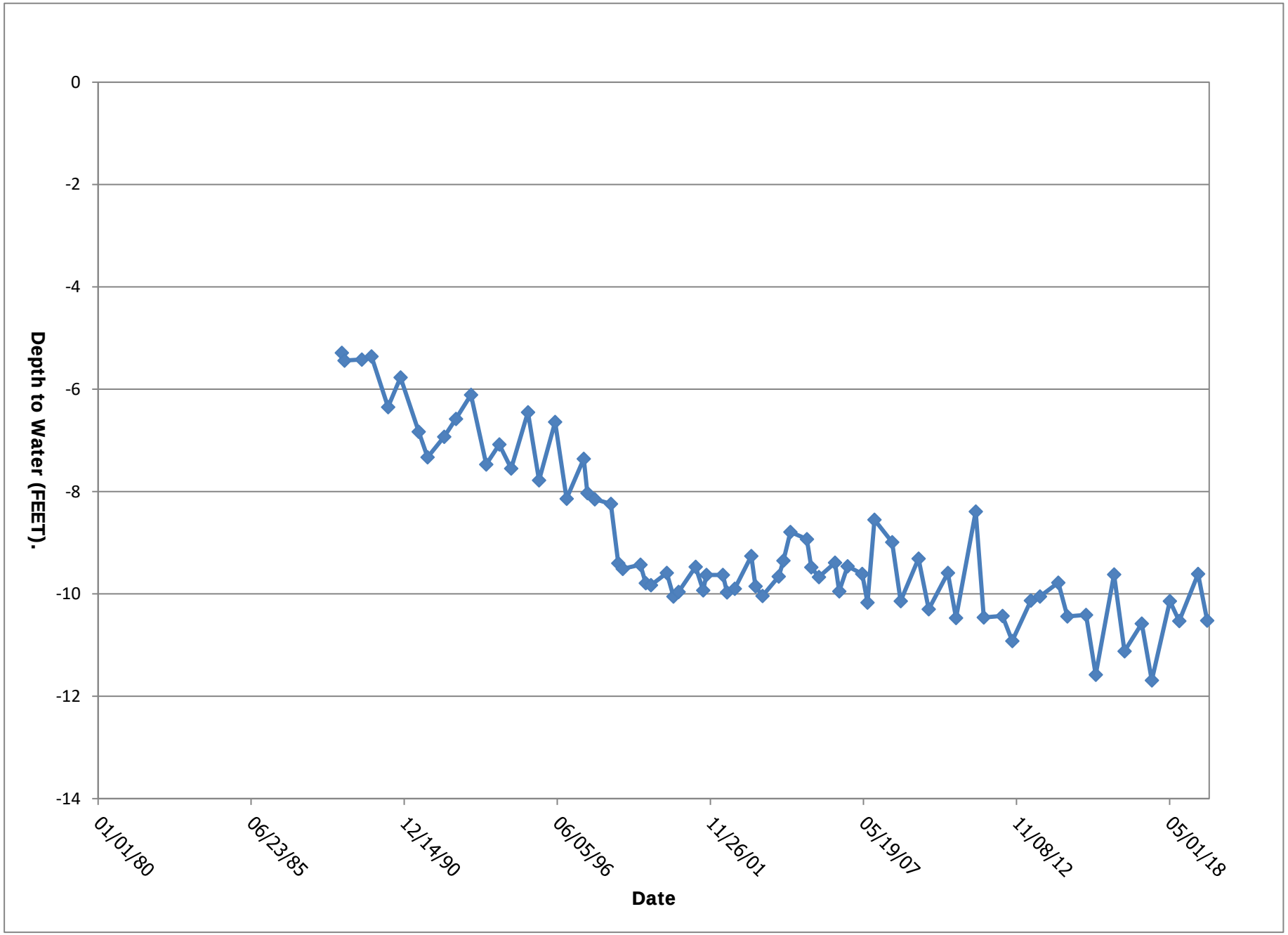
Period of Record TDS Trend Plot
SCAL69

				loc_report_order Location Code Location Name	1 SGAL70							
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	10/25/1988	9/3/2019	63	2621	2650	3960	259	596.9
2	3002 - AHR Wells Long	pH, Field	N	S.U.	10/25/1988	9/3/2019	63	7.27	7.26	7.77	6.89	0.179
3	3002 - AHR Wells Long	Temperature, Field	N	C	10/25/1988	9/3/2018	61	10.3	10.2	15.6	7.2	2.01
3	3002 - AHR Wells Long	Temperature, Field	N	DEG-C	5/7/2019	9/3/2019	2	10.3	10.3	11.9	8.7	2.26
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	10/25/1988	5/7/2019	60	320	326	373	244	34.7
6	3002 - AHR Wells Long	Aluminum	D	MG/L	10/25/1988	5/7/2019	60	0.068	0.05	0.88	0.03	0.13
7	3002 - AHR Wells Long	Arsenic	D	UG/L	10/25/1988	5/7/2019	60	1.4	1	20	0.4	2.6
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	10/25/1988	5/7/2014	48	388	401	455	283	48.4
9	3002 - AHR Wells Long	Boron	D	UG/L	10/25/1988	5/7/2019	60	150	140	320	30	54
10	3002 - AHR Wells Long	Cadmium	D	UG/L	10/25/1988	5/7/2019	60	6.5	5	50	3	6.2
11	3002 - AHR Wells Long	Calcium	D	MG/L	10/25/1988	5/7/2019	60	254.6	247	412	124	58.72
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	10/25/1988	5/7/2014	48	2	2	14	0	2.5
13	3002 - AHR Wells Long	Chloride	N	MG/L	10/25/1988	5/7/2019	60	58.1	52	180	14	29
14	3002 - AHR Wells Long	Chromium	D	UG/L	10/25/1988	5/7/2019	60	10	10	100	10	10
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	10/25/1988	5/4/2018	59	2584	2560	3510	1530	434.5
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMS/CM	5/7/2019	5/7/2019	1	3570	3570	3570	3570	0
16	3002 - AHR Wells Long	Copper	D	UG/L	10/25/1988	5/7/2019	60	10	10	100	10	10
17	3002 - AHR Wells Long	Fluoride	N	MG/L	10/25/1988	9/3/2019	63	0.29	0.3	0.4	0.18	0.057
18	3002 - AHR Wells Long	Hardness	N	MG/L	10/25/1988	5/7/2019	60	1440	1390	2150	698	303.9
19	3002 - AHR Wells Long	Iron	D	MG/L	10/25/1988	9/3/2019	63	0.0683	0.02	1.52	0.01	0.192
20	3002 - AHR Wells Long	Lead	D	UG/L	10/25/1988	5/7/2019	60	50	40	300	20	40
21	3002 - AHR Wells Long	Magnesium	D	MG/L	10/25/1988	5/7/2019	60	195.8	192	279	94.5	39.72
22	3002 - AHR Wells Long	Manganese	D	MG/L	10/25/1988	9/3/2019	63	0.399	0.27	1.5	0.01	0.388
23	3002 - AHR Wells Long	Mercury	D	UG/L	10/25/1988	5/7/2019	60	0.2	0.2	1	0.1	0.1
24	3002 - AHR Wells Long	Nickel	D	UG/L	10/25/1988	5/7/2019	60	20	20	80	8	10
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	10/25/1988	9/3/2019	63	0.259	0.03	3.09	0.01	0.626
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	10/25/1988	9/3/2019	63	0.01	0.01	0.05	0.01	0.005
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	10/25/1988	5/7/2019	60	7.7	7.8	8.5	7	0.35
30	3002 - AHR Wells Long	Potassium	D	MG/L	10/25/1988	5/7/2019	60	5.7	5.7	8	4	0.73
31	3002 - AHR Wells Long	Selenium	D	UG/L	10/25/1988	9/3/2019	63	3.39	1	43.7	0.2	6.34
32	3002 - AHR Wells Long	Sodium	D	MG/L	10/25/1988	5/7/2019	60	161.2	157.5	256	101	29.75
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	10/25/1988	5/7/2019	60	1.88	1.82	2.86	1.33	0.274

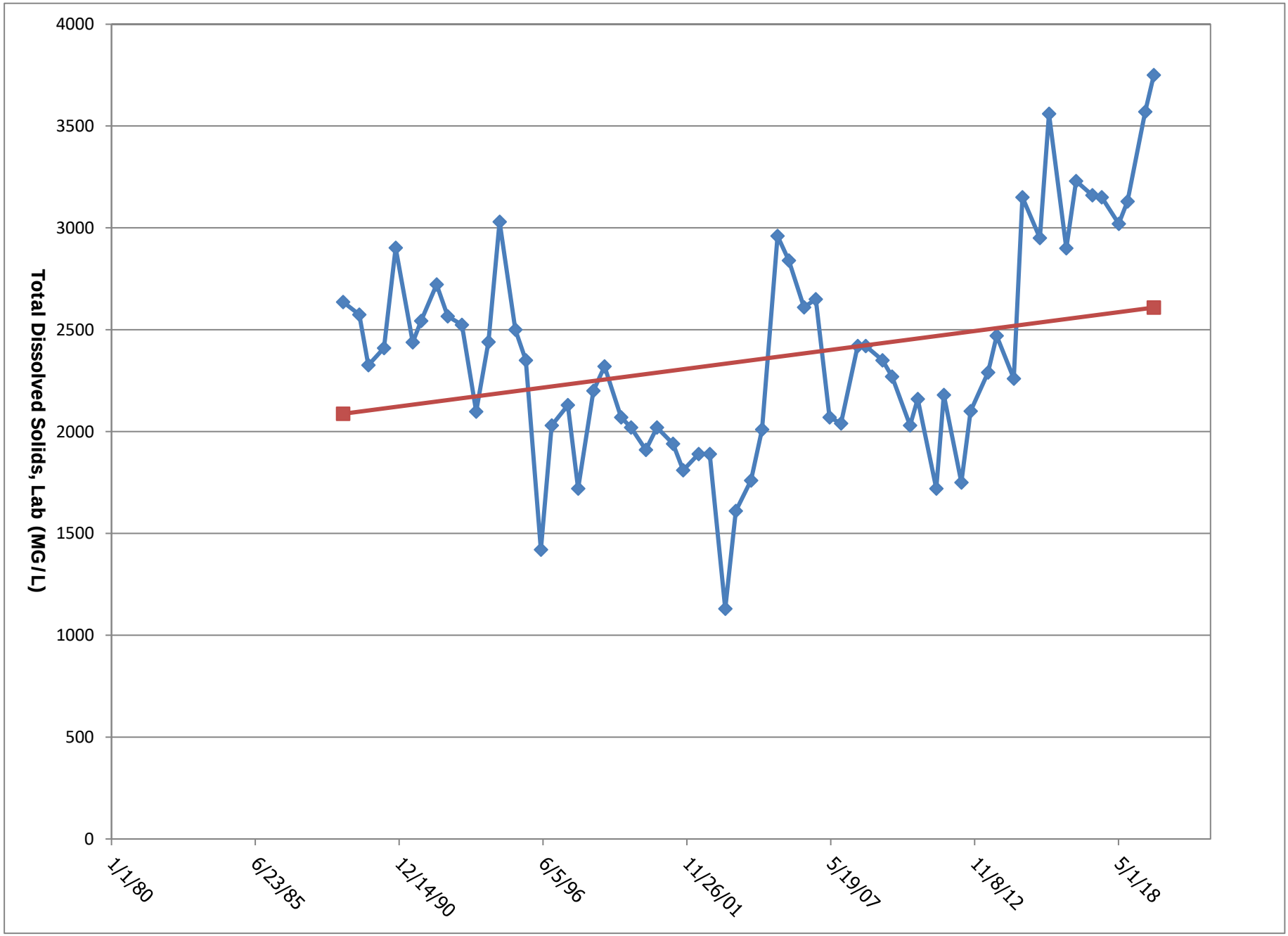
					loc_report_order	1						
					Location Code	SGAL70						
					Location Name							
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
34	3002 - AHR Wells Long	Sulfates	N	MG/L	10/25/1988	9/3/2019	63	1390	1360	2270	610	365.6
35	3002 - AHR Wells Long	Sulfide	N	MG/L	10/25/1988	5/7/2019	60	0.0857	0.03	1.45	0.01	0.194
37	3002 - AHR Wells Long	Zinc	D	MG/L	10/25/1988	5/7/2019	60	0.02	0.01	0.1	0.01	0.01
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	10/25/1988	5/7/2019	59	-0.681	-0.5	3.7	-9.6	2.71
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	10/25/1988	9/3/2019	63	2398	2350	3750	1130	534.8
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	10/25/1988	5/7/2019	60	2228.28	2149.5	3360	1120	460.835

			loc_report_order	1		1	
			sys_loc_code	SGAL70		SGAL70	
			Date	5/7/2019		9/3/2019	
			Depth to Water (FT)	9.61		10.52	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
1	Specific Conductivity, Field	N	UMHOS/CM	Y	3150	Y	3960
2	pH, Field	N	S.U.	Y	7.41	Y	7.02
3	Temperature, Field	N	DEG-C	Y	8.7	Y	11.9
4	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	Y	335		
6	Aluminum	D	MG/L	N	0.5		
7	Arsenic	D	UG/L	N	2		
9	Boron	D	UG/L	Y	100		
10	Cadmium	D	UG/L	N	50		
11	Calcium	D	MG/L	Y	394		
13	Chloride	N	MG/L	Y	33.6		
14	Chromium	D	UG/L	N	100		
15	Specific Conductivity, Lab	N	UMS/CM	Y	3570		
16	Copper	D	UG/L	N	100		
17	Fluoride	N	MG/L	Y	0.2	Y	0.3
18	Hardness	N	MG/L	Y	2130		
19	Iron	D	MG/L	N	0.2	N	0.2
20	Lead	D	UG/L	N	300		
21	Magnesium	D	MG/L	Y	279		
22	Manganese	D	MG/L	Y	0.03	Y	0.32
23	Mercury	D	UG/L	N	1		
24	Nickel	D	UG/L	N	80		
25	Nitrate Nitrogen	N	MG/L	Y	0.02	Y	0.02
27	Nitrite Nitrogen	N	MG/L	N	0.05	Y	0.01
29	pH, Lab	N	S.U.	Y	8		
30	Potassium	D	MG/L	Y	5.9		
31	Selenium	D	UG/L	N	5	N	5
32	Sodium	D	MG/L	Y	184		
33	Sodium Adsorption Ratio	N	RATIO	Y	1.8		
34	Sulfates	N	MG/L	Y	2200	Y	2270

			loc_report_order	1		1	
			sys_loc_code	SGAL70		SGAL70	
			Date	5/7/2019		9/3/2019	
			Depth to Water (FT)	9.61		10.52	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
35	Sulfide	N	MG/L	N	0.1		
37	Zinc	D	MG/L	N	0.1		
38	Cation / Anion Balance	N	%	Y	-2.9		
39	Total Dissolved Solids, Lab	N	MG/L	Y	3570	Y	3750
40	Total Dissolved Solids (Calculated)	N	MG/L	Y	3300		



Period of Record Depth to Water Hydrograph
SGAL70

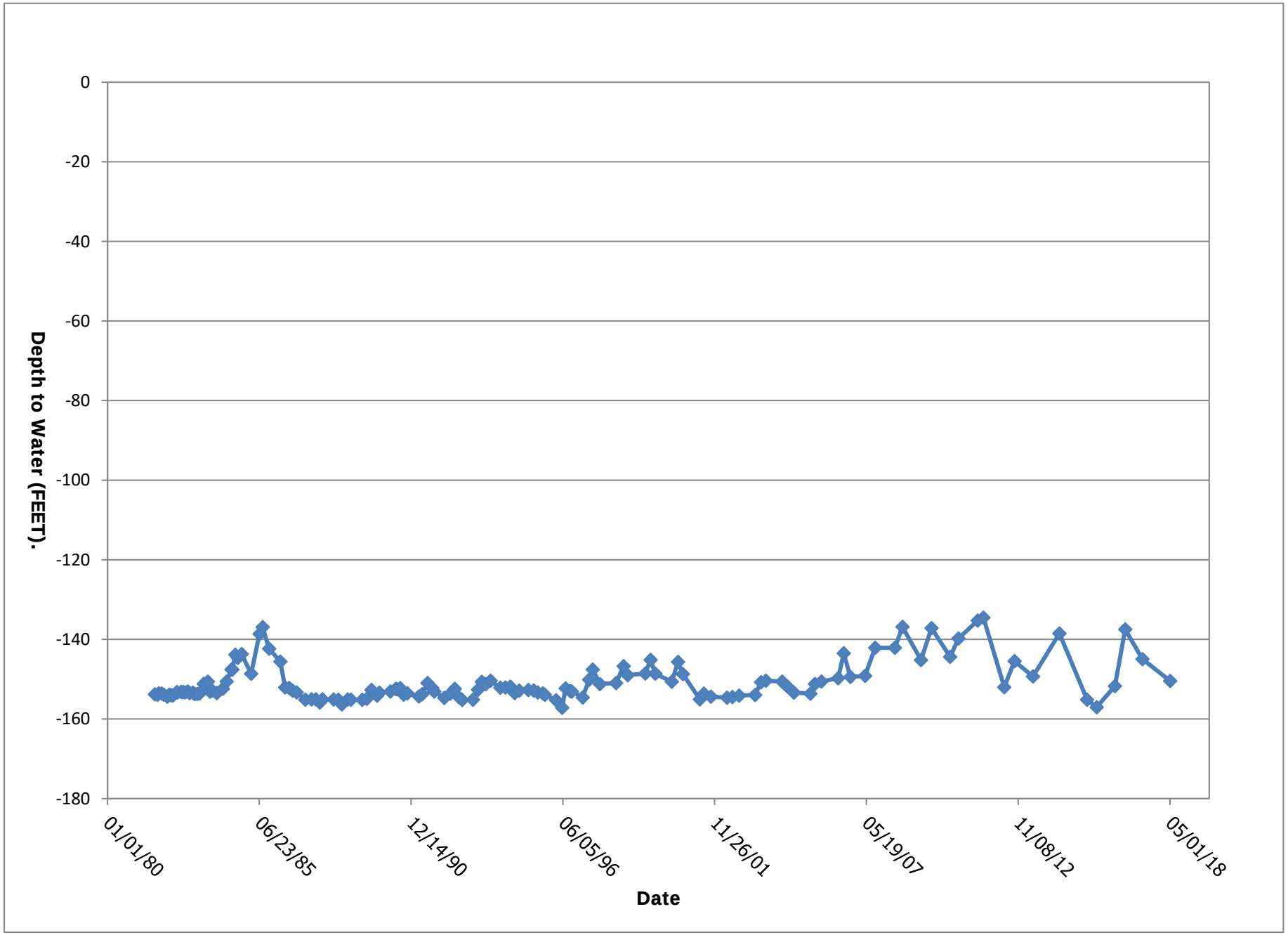


Period of Record TDS Trend Plot
SGAL70

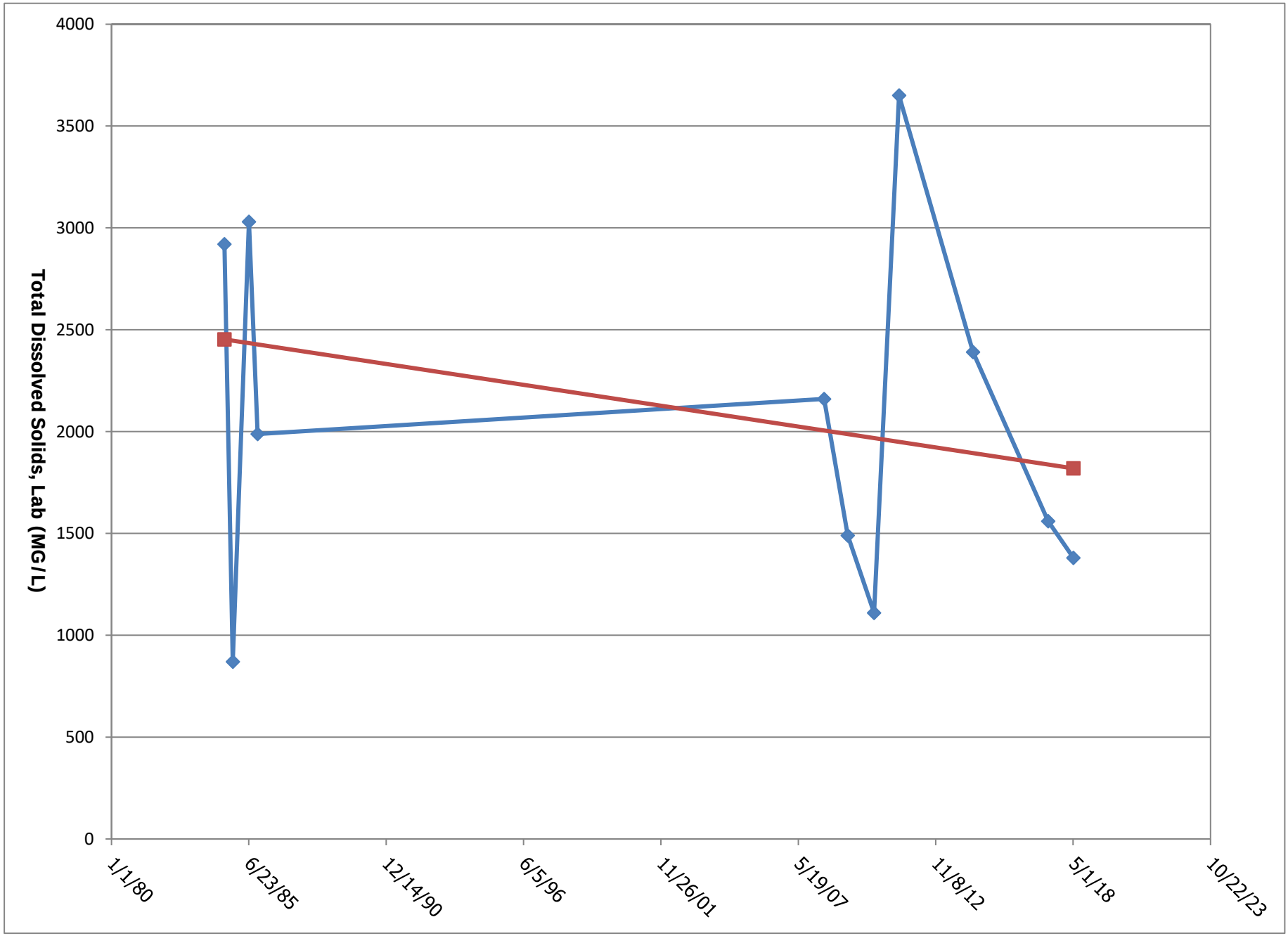
					loc_report_order Location Code Location Name		3 SOV42					
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	7/3/1984	5/4/2018	11	2470	2230	4150	1620	758
2	3002 - AHR Wells Long	pH, Field	N	S.U.	7/3/1984	5/4/2018	11	7.23	7.15	7.66	6.93	0.229
3	3002 - AHR Wells Long	Temperature, Field	N	C	7/3/1984	5/4/2018	11	10.7	10.9	12	9.5	0.894
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	7/3/1984	5/5/2014	9	658	672	824	420	125
6	3002 - AHR Wells Long	Aluminum	D	MG/L	5/28/2008	5/5/2014	5	0.072	0.06	0.14	0.03	0.041
7	3002 - AHR Wells Long	Arsenic	D	UG/L	5/28/2008	5/5/2014	5	0.8	1	1.1	0.4	0.32
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	7/3/1984	5/24/2011	8	808.8	829.5	1005	512	162.8
9	3002 - AHR Wells Long	Boron	D	UG/L	5/28/2008	5/5/2014	5	320	310	350	300	20
10	3002 - AHR Wells Long	Cadmium	D	UG/L	5/28/2008	5/5/2014	5	8	10	10	5	3
11	3002 - AHR Wells Long	Calcium	D	MG/L	7/3/1984	5/5/2014	9	141	140	205	65	41
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	7/3/1984	5/24/2011	8	1	1	2	0	1
13	3002 - AHR Wells Long	Chloride	N	MG/L	7/3/1984	5/5/2014	9	32	28	52	7	16
14	3002 - AHR Wells Long	Chromium	D	UG/L	5/28/2008	5/5/2014	5	20	20	20	10	5
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	7/3/1984	5/5/2014	9	2830	2780	4070	1650	842
16	3002 - AHR Wells Long	Copper	D	UG/L	5/28/2008	5/5/2014	5	20	20	20	10	5
17	3002 - AHR Wells Long	Fluoride	N	MG/L	7/3/1984	5/4/2018	11	0.34	0.3	0.84	0.16	0.18
18	3002 - AHR Wells Long	Hardness	N	MG/L	7/3/1984	5/5/2014	9	1177	1088	1990	472	493.8
19	3002 - AHR Wells Long	Iron	D	MG/L	7/3/1984	5/4/2018	11	0.296	0.05	1.94	0.02	0.587
20	3002 - AHR Wells Long	Lead	D	UG/L	5/28/2008	5/5/2014	5	60	60	80	40	20
21	3002 - AHR Wells Long	Magnesium	D	MG/L	7/3/1984	5/5/2014	9	201	180	359	75	98.6
22	3002 - AHR Wells Long	Manganese	D	MG/L	7/3/1984	5/4/2018	11	0.11	0.09	0.18	0.07	0.037
23	3002 - AHR Wells Long	Mercury	D	UG/L	5/28/2008	5/5/2014	5	0.2	0.2	0.2	0.2	0
24	3002 - AHR Wells Long	Nickel	D	UG/L	5/28/2008	5/5/2014	5	20	20	20	10	5
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	7/3/1984	5/4/2018	11	0.659	0.32	2.15	0.02	0.707
26	3002 - AHR Wells Long	Nitrate as NO3	N	MG/L	7/3/1984	10/29/1985	4	2.6	2.1	6.2	0.1	3
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	5/28/2008	5/4/2018	7	0.01	0.01	0.01	0.01	0
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	7/3/1984	5/5/2014	9	7.8	7.9	8.1	7.4	0.25
30	3002 - AHR Wells Long	Potassium	D	MG/L	7/3/1984	5/5/2014	9	9.94	10.4	12	6.3	1.92
31	3002 - AHR Wells Long	Selenium	D	UG/L	5/28/2008	5/4/2018	7	0.81	1	2.2	0.1	0.74
32	3002 - AHR Wells Long	Sodium	D	MG/L	7/3/1984	5/5/2014	9	302	312	411	163	94.6
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	7/3/1984	5/5/2014	9	3.88	4	4.53	2.87	0.524
34	3002 - AHR Wells Long	Sulfates	N	MG/L	7/3/1984	5/4/2018	11	1010	973	2060	400	557

					loc_report_order Location Code Location Name		3 SOV42					
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
35	3002 - AHR Wells Long	Sulfide	N	MG/L	5/28/2008	5/5/2014	5	0.36	0.27	1.2	0.02	0.48
37	3002 - AHR Wells Long	Zinc	D	MG/L	5/28/2008	5/5/2014	5	0.23	0.04	0.82	0.02	0.34
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	7/3/1984	5/5/2014	9	1.22	1.3	4.3	-2.1	2.28
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	7/3/1984	5/4/2018	11	2050	1988	3650	870	876.8
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	7/3/1984	5/5/2014	9	2177	2100	3540	952	894.2

				loc_report_order	5
				sys_loc_code	SOV42
				Date	5/7/2019
				Depth to Water (FT)	Well Dry
report_order	Parameter	Fraction	Units	Detection	Result



Period of Record Depth to Water Hydrograph
SOV42



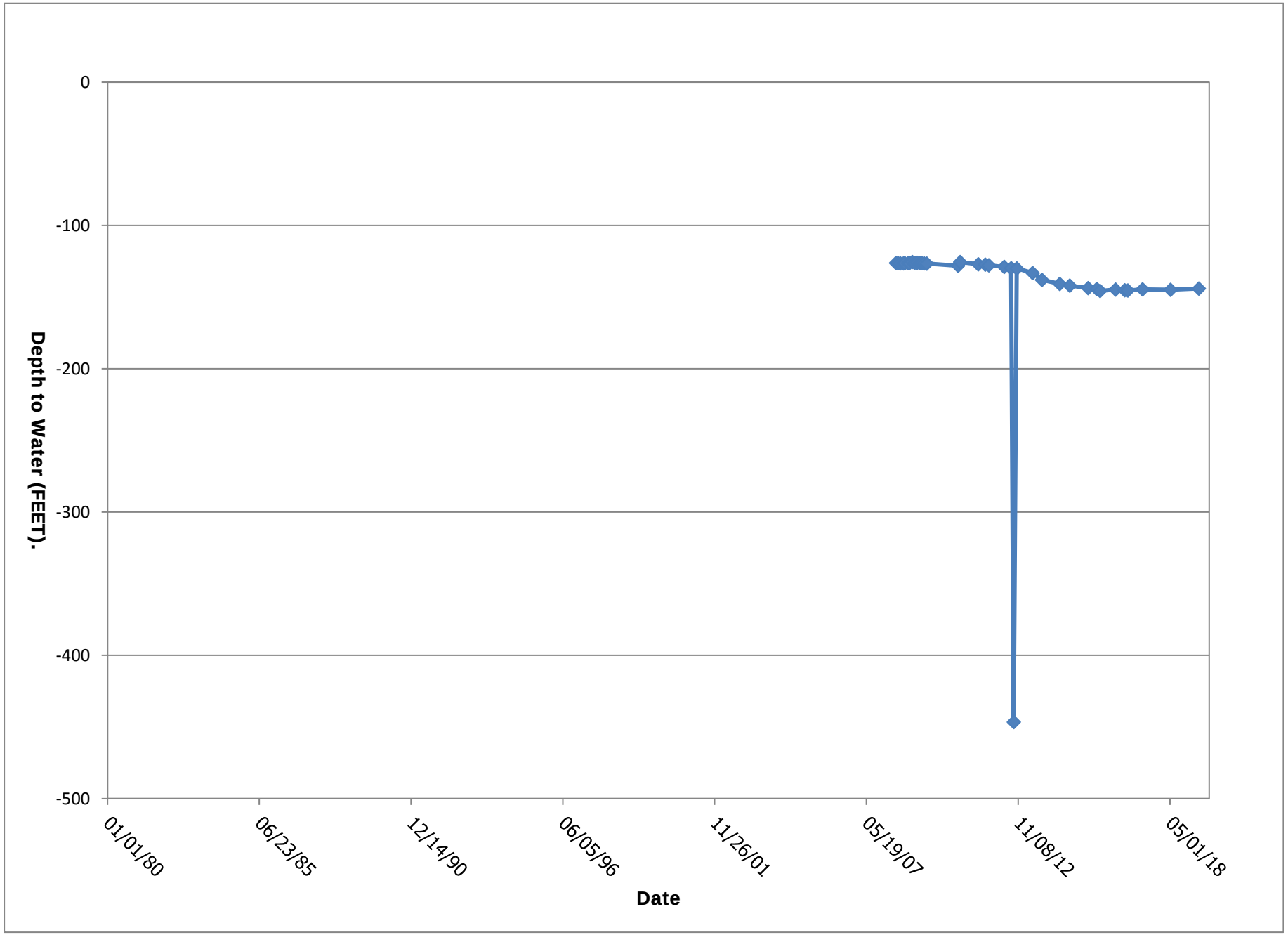
Period of Record TDS Trend Plot
SOV42

					loc_report_order Location Code Location Name			4 COV2702				
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	8/7/2008	5/16/2019	20	1040	1040	1080	980	29.2
2	3002 - AHR Wells Long	pH, Field	N	S.U.	8/7/2008	5/16/2019	20	9.36	9.35	9.94	8.8	0.278
3	3002 - AHR Wells Long	Temperature, Field	N	C	8/7/2008	5/8/2018	19	10.2	10.1	11.5	9.2	0.566
3	3002 - AHR Wells Long	Temperature, Field	N	DEG-C	5/16/2019	5/16/2019	1	10.9	10.9	10.9	10.9	0
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	8/7/2008	5/16/2019	20	533	534	579	459	26.2
6	3002 - AHR Wells Long	Aluminum	D	MG/L	8/7/2008	5/16/2019	20	0.05	0.03	0.3	0.03	0.06
7	3002 - AHR Wells Long	Arsenic	D	UG/L	8/7/2008	5/16/2019	20	0.43	0.25	2.4	0.2	0.48
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	8/7/2008	9/10/2015	8	447	456	483	393	34.3
9	3002 - AHR Wells Long	Boron	D	UG/L	8/7/2008	5/16/2019	20	140	140	160	100	17
10	3002 - AHR Wells Long	Cadmium	D	UG/L	8/7/2008	5/16/2019	20	5	5	30	0.1	6
11	3002 - AHR Wells Long	Calcium	D	MG/L	8/7/2008	5/16/2019	20	1.3	1.2	2.2	0.8	0.44
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	8/7/2008	9/10/2015	8	96.1	89	129	75	19.9
13	3002 - AHR Wells Long	Chloride	N	MG/L	8/7/2008	5/16/2019	20	4.9	4.9	6	4	0.64
14	3002 - AHR Wells Long	Chromium	D	UG/L	8/7/2008	5/16/2019	20	10	10	50	0.1	10
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	8/7/2008	5/8/2018	19	1020	1010	1140	955	40.2
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMS/CM	5/16/2019	5/16/2019	1	1090	1090	1090	1090	0
16	3002 - AHR Wells Long	Copper	D	UG/L	8/7/2008	5/16/2019	20	10	10	50	10	9
17	3002 - AHR Wells Long	Fluoride	N	MG/L	8/7/2008	5/16/2019	20	1.68	1.7	1.93	1.59	0.0786
18	3002 - AHR Wells Long	Hardness	N	MG/L	8/7/2008	5/16/2019	20	4.9	4.8	8	2	1.8
19	3002 - AHR Wells Long	Iron	D	MG/L	8/7/2008	5/16/2019	20	0.02	0.02	0.08	0.02	0.01
20	3002 - AHR Wells Long	Lead	D	UG/L	8/7/2008	5/16/2019	20	37	30	200	0.8	41
21	3002 - AHR Wells Long	Magnesium	D	MG/L	8/7/2008	5/16/2019	20	0.4	0.4	1	0.2	0.2
22	3002 - AHR Wells Long	Manganese	D	MG/L	8/7/2008	5/16/2019	20	0.01	0.01	0.05	0.01	0.009
23	3002 - AHR Wells Long	Mercury	D	UG/L	8/7/2008	5/16/2019	20	0.2	0.2	1	0.2	0.2
24	3002 - AHR Wells Long	Nickel	D	UG/L	8/7/2008	5/16/2019	20	10	10	40	8	7
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	8/7/2008	5/16/2019	20	0.14	0.03	0.93	0.02	0.22
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	8/7/2008	5/16/2019	20	0.01	0.01	0.05	0.01	0.009
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	8/7/2008	5/16/2019	20	9.4	9.4	9.7	9.3	0.11
30	3002 - AHR Wells Long	Potassium	D	MG/L	8/7/2008	5/16/2019	20	1.9	1.9	2.3	1.7	0.16
31	3002 - AHR Wells Long	Selenium	D	UG/L	8/7/2008	5/16/2019	20	0.9	1	5	0.1	1
32	3002 - AHR Wells Long	Sodium	D	MG/L	8/7/2008	5/16/2019	20	244	243	264	229	8.37
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	8/7/2008	5/16/2019	20	51.5	49.5	79	38	11.5

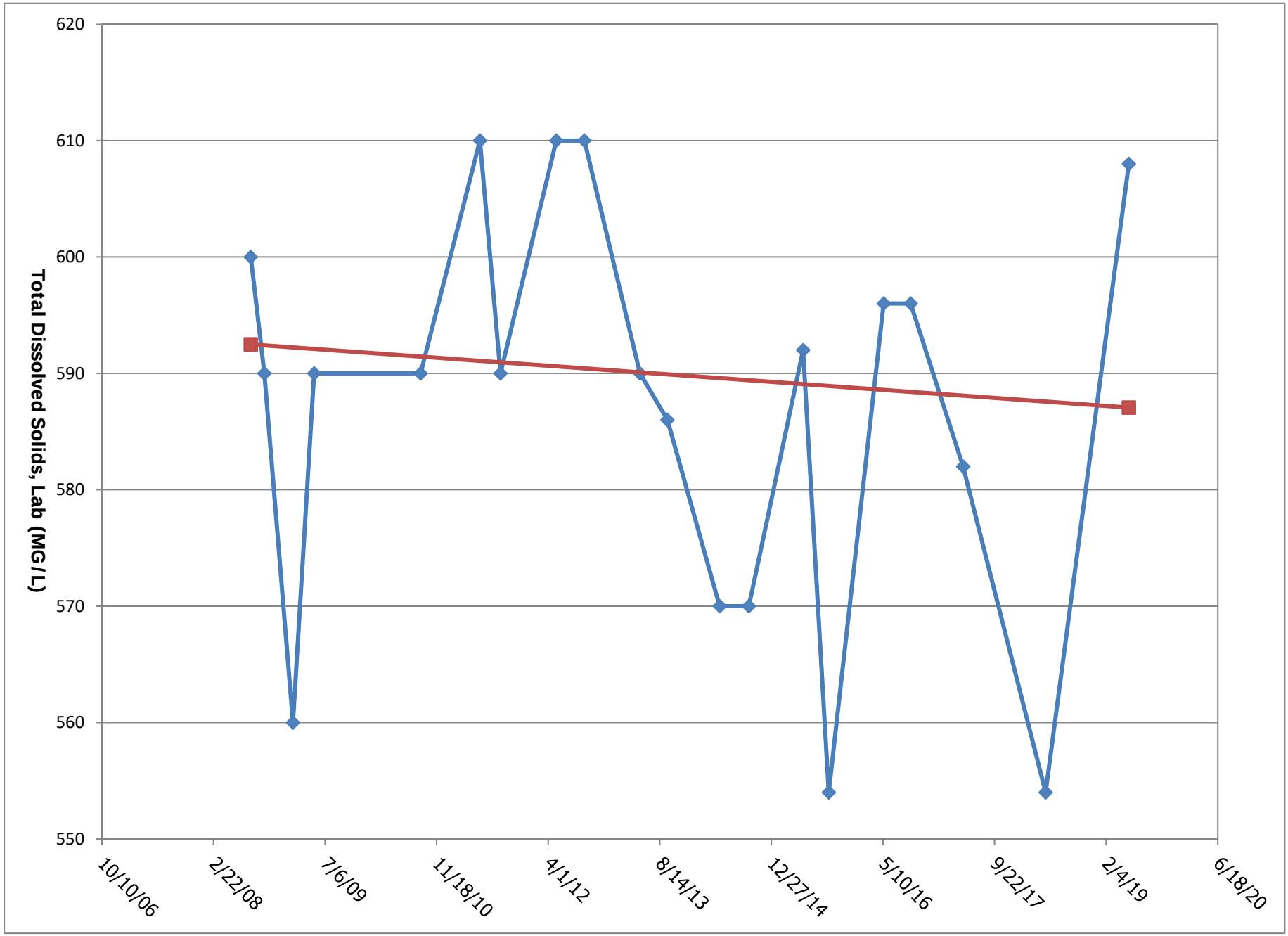
					loc_report_order Location Code Location Name			4 COV2702				
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
34	3002 - AHR Wells Long	Sulfates	N	MG/L	8/7/2008	5/16/2019	20	10	10	50	1	10
35	3002 - AHR Wells Long	Sulfide	N	MG/L	8/7/2008	5/16/2019	20	0.11	0.09	0.29	0.02	0.08
37	3002 - AHR Wells Long	Zinc	D	MG/L	8/7/2008	5/16/2019	20	0.11	0.095	0.23	0.04	0.061
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	8/7/2008	5/16/2019	20	0.15	0.2	5.8	-9.1	3.2
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	8/7/2008	5/16/2019	20	587	590	610	554	17.7
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	8/7/2008	5/16/2019	20	604	594	689	547	34.9

			loc_report_order	4	
			sys_loc_code	COV2702	
			Date	5/16/2019	
			Depth to Water (FT)	144.01	
report_order	Parameter	Fraction	Units	Detection	Result
1	Specific Conductivity, Field	N	UMHOS/CM	Y	1030
2	pH, Field	N	S.U.	Y	9.34
3	Temperature, Field	N	DEG-C	Y	10.9
4	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	Y	550
6	Aluminum	D	MG/L	N	0.3
7	Arsenic	D	UG/L	Y	0.4
9	Boron	D	UG/L	Y	160
10	Cadmium	D	UG/L	N	30
11	Calcium	D	MG/L	Y	0.8
13	Chloride	N	MG/L	Y	4.3
14	Chromium	D	UG/L	N	50
15	Specific Conductivity, Lab	N	UMS/CM	Y	1090
16	Copper	D	UG/L	N	50
17	Fluoride	N	MG/L	Y	1.7
18	Hardness	N	MG/L	Y	2
19	Iron	D	MG/L	N	0.08
20	Lead	D	UG/L	N	200
21	Magnesium	D	MG/L	N	1
22	Manganese	D	MG/L	N	0.05
23	Mercury	D	UG/L	N	1
24	Nickel	D	UG/L	N	40
25	Nitrate Nitrogen	N	MG/L	N	0.1
27	Nitrite Nitrogen	N	MG/L	N	0.05
29	pH, Lab	N	S.U.	Y	9.6
30	Potassium	D	MG/L	Y	1.7
31	Selenium	D	UG/L	N	5
32	Sodium	D	MG/L	Y	253
33	Sodium Adsorption Ratio	N	RATIO	Y	79
34	Sulfates	N	MG/L	N	50

			loc_report_order	4	
			sys_loc_code	COV2702	
			Date	5/16/2019	
			Depth to Water (FT)	144.01	
report_order	Parameter	Fraction	Units	Detection	Result
35	Sulfide	N	MG/L	Y	0.11
37	Zinc	D	MG/L	Y	0.22
38	Cation / Anion Balance	N	%	Y	0
39	Total Dissolved Solids, Lab	N	MG/L	Y	608
40	Total Dissolved Solids (Calculated)	N	MG/L	Y	595



Period of Record Depth to Water Hydrograph
COV2702



Period of Record TDS Trend Plot

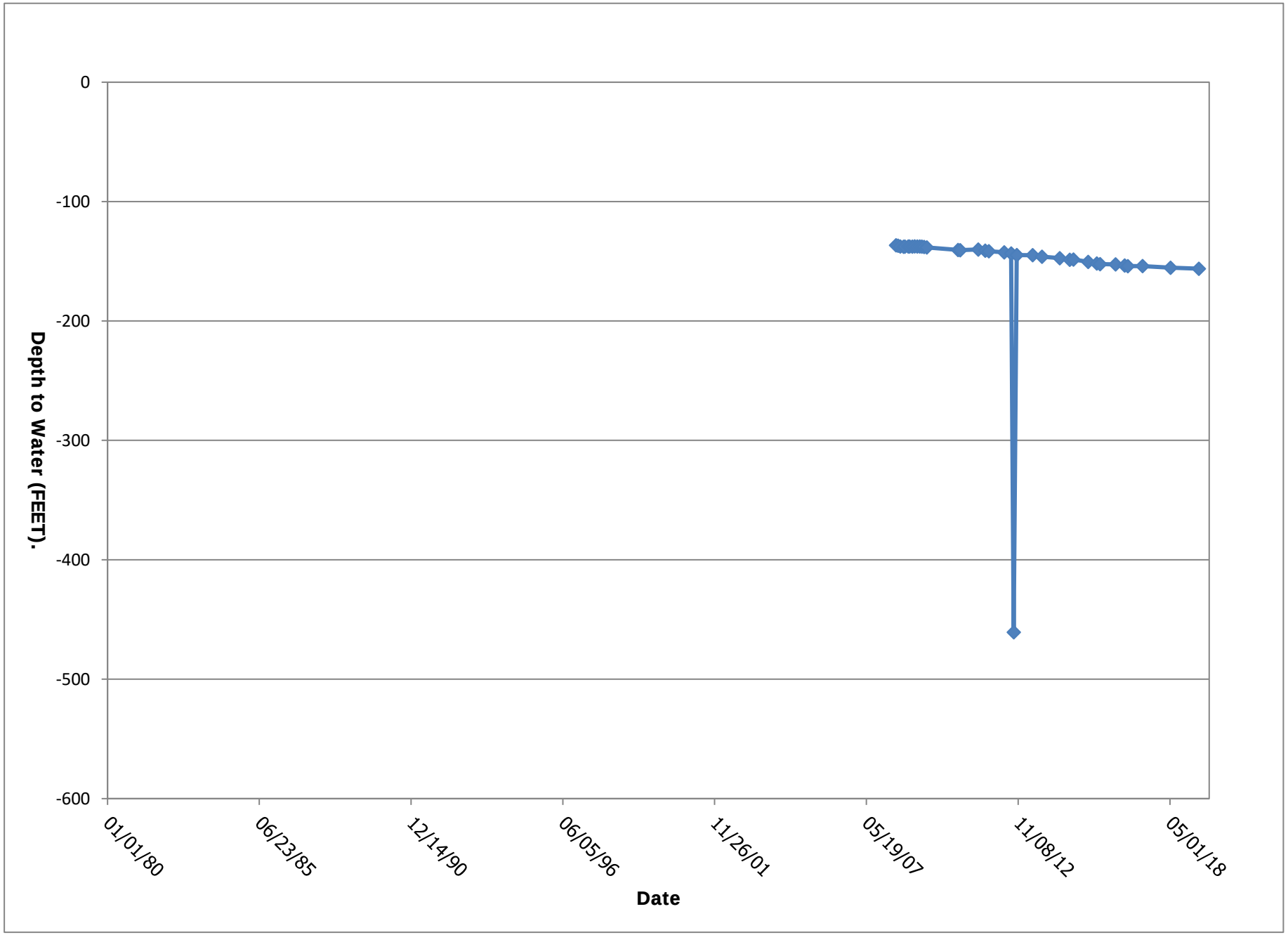
COV2702

				loc_report_order	5							
				Location Code	CW2701							
				Location Name								
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	8/7/2008	5/16/2019	20	1530	1520	1590	1460	39
2	3002 - AHR Wells Long	pH, Field	N	S.U.	8/7/2008	5/16/2019	20	9.688	9.635	10.9	8.7	0.4494
3	3002 - AHR Wells Long	Temperature, Field	N	C	8/7/2008	5/8/2018	19	10.4	10.5	11.3	9.2	0.489
3	3002 - AHR Wells Long	Temperature, Field	N	DEG-C	5/16/2019	5/16/2019	1	11.2	11.2	11.2	11.2	0
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	8/7/2008	5/16/2019	20	704	719	800	584	60.5
6	3002 - AHR Wells Long	Aluminum	D	MG/L	8/7/2008	5/16/2019	20	0.05	0.03	0.3	0.03	0.06
7	3002 - AHR Wells Long	Arsenic	D	UG/L	8/7/2008	5/16/2019	20	0.63	0.2	5	0.2	1.1
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	8/7/2008	9/10/2015	8	466	495	598	348	86.1
9	3002 - AHR Wells Long	Boron	D	UG/L	8/7/2008	5/16/2019	20	260	260	300	220	25
10	3002 - AHR Wells Long	Cadmium	D	UG/L	8/7/2008	5/16/2019	20	5	5	30	0.1	6
11	3002 - AHR Wells Long	Calcium	D	MG/L	8/7/2008	5/16/2019	20	1.6	1.4	3.2	0.7	0.66
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	8/7/2008	9/10/2015	8	178	182	296	81	76
13	3002 - AHR Wells Long	Chloride	N	MG/L	8/7/2008	5/16/2019	20	9.3	8	16	6.3	3
14	3002 - AHR Wells Long	Chromium	D	UG/L	8/7/2008	5/16/2019	20	10	10	50	0.1	10
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	8/7/2008	5/8/2018	19	1490	1480	1570	1420	38.3
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMS/CM	5/16/2019	5/16/2019	1	1600	1600	1600	1600	0
16	3002 - AHR Wells Long	Copper	D	UG/L	8/7/2008	5/16/2019	20	10	10	50	10	9
17	3002 - AHR Wells Long	Fluoride	N	MG/L	8/7/2008	5/16/2019	20	2.2	2.2	2.43	2.1	0.0997
18	3002 - AHR Wells Long	Hardness	N	MG/L	8/7/2008	5/16/2019	20	6	5.3	13	1.8	2.7
19	3002 - AHR Wells Long	Iron	D	MG/L	8/7/2008	5/16/2019	20	0.03	0.02	0.08	0.02	0.02
20	3002 - AHR Wells Long	Lead	D	UG/L	8/7/2008	5/16/2019	20	38	30	200	1	40.1
21	3002 - AHR Wells Long	Magnesium	D	MG/L	8/7/2008	5/16/2019	20	0.56	0.5	1.3	0.2	0.28
22	3002 - AHR Wells Long	Manganese	D	MG/L	8/7/2008	5/16/2019	20	0.01	0.01	0.05	0.01	0.009
23	3002 - AHR Wells Long	Mercury	D	UG/L	8/7/2008	5/16/2019	20	0.2	0.2	1	0.2	0.2
24	3002 - AHR Wells Long	Nickel	D	UG/L	8/7/2008	5/16/2019	20	10	10	40	8	7
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	8/7/2008	5/16/2019	20	0.11	0.025	0.78	0.02	0.18
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	8/7/2008	5/16/2019	20	0.01	0.01	0.03	0.01	0.005
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	8/7/2008	5/16/2019	20	9.69	9.7	10.1	9.2	0.225
30	3002 - AHR Wells Long	Potassium	D	MG/L	8/7/2008	5/16/2019	20	3.6	3.1	6.2	2.8	0.99
31	3002 - AHR Wells Long	Selenium	D	UG/L	8/7/2008	5/16/2019	20	0.9	1	5	0.1	1
32	3002 - AHR Wells Long	Sodium	D	MG/L	8/7/2008	5/16/2019	20	352	351	380	320	12.7
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	8/7/2008	5/16/2019	20	68.8	66.1	110	43.9	17.9

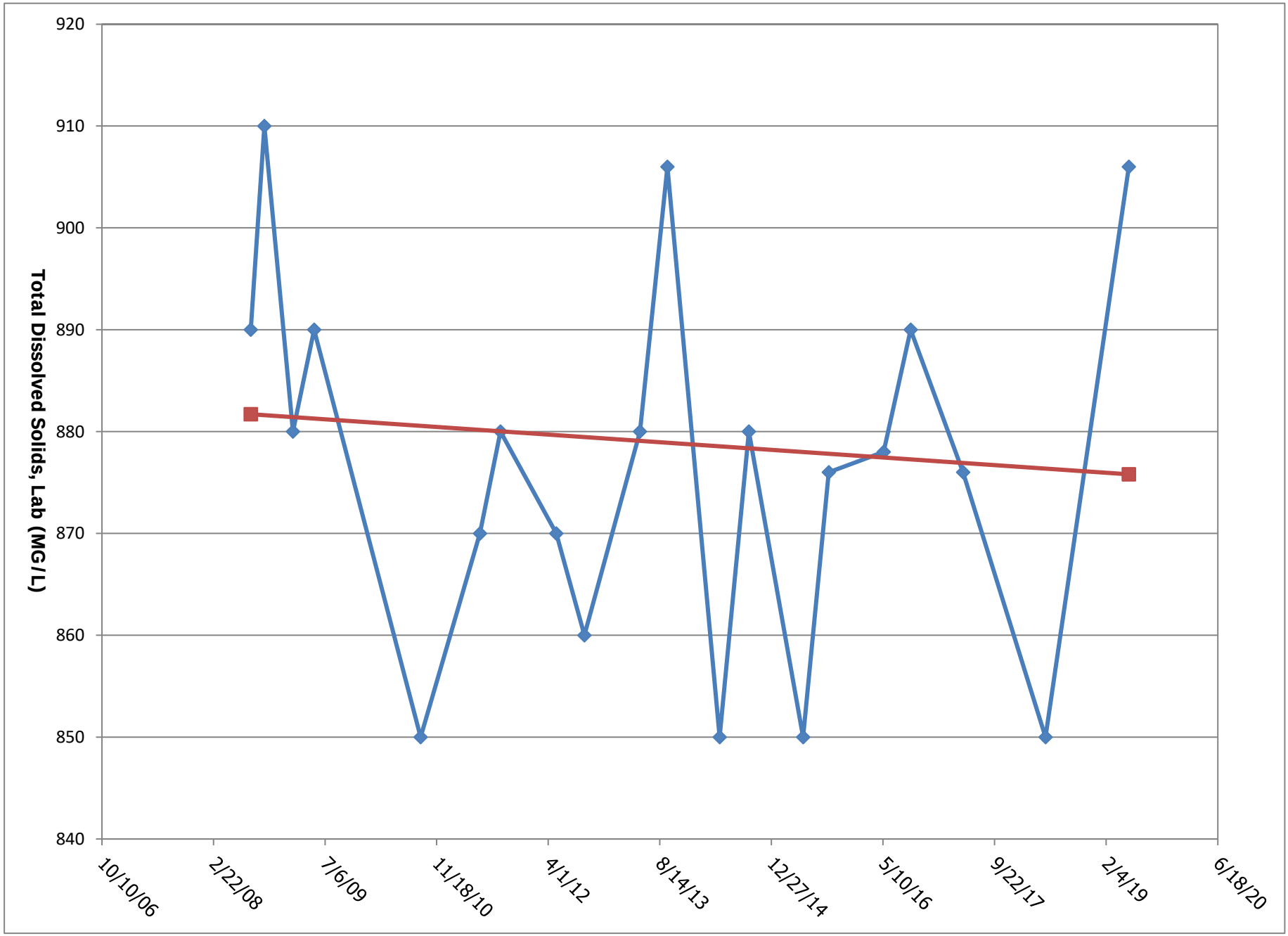
					loc_report_order	5						
					Location Code	CW2701						
					Location Name							
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
34	3002 - AHR Wells Long	Sulfates	N	MG/L	8/7/2008	5/16/2019	20	64.7	60	130	10	31.2
35	3002 - AHR Wells Long	Sulfide	N	MG/L	8/7/2008	5/16/2019	20	11.7	9.25	34	0.04	10.1
37	3002 - AHR Wells Long	Zinc	D	MG/L	8/7/2008	5/16/2019	20	0.28	0.25	0.89	0.04	0.22
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	8/7/2008	5/16/2019	20	-0.49	-0.5	6.7	-6.3	3.1
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	8/7/2008	5/16/2019	20	877	879	910	850	18.7
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	8/7/2008	5/16/2019	20	899	889	1060	788	68.7

			loc_report_order	5	
			sys_loc_code	CW2701	
			Date	5/16/2019	
			Depth to Water (FT)	156.24	
report_order	Parameter	Fraction	Units	Detection	Result
1	Specific Conductivity, Field	N	UMHOS/CM	Y	1470
2	pH, Field	N	S.U.	Y	9.69
3	Temperature, Field	N	DEG-C	Y	11.2
4	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	Y	742
6	Aluminum	D	MG/L	N	0.3
7	Arsenic	D	UG/L	N	1
9	Boron	D	UG/L	Y	300
10	Cadmium	D	UG/L	N	30
11	Calcium	D	MG/L	Y	0.8
13	Chloride	N	MG/L	Y	6.3
14	Chromium	D	UG/L	N	50
15	Specific Conductivity, Lab	N	UMS/CM	Y	1600
16	Copper	D	UG/L	N	50
17	Fluoride	N	MG/L	Y	2.3
18	Hardness	N	MG/L	Y	2
19	Iron	D	MG/L	N	0.08
20	Lead	D	UG/L	N	200
21	Magnesium	D	MG/L	N	1
22	Manganese	D	MG/L	N	0.05
23	Mercury	D	UG/L	N	1
24	Nickel	D	UG/L	N	40
25	Nitrate Nitrogen	N	MG/L	N	0.1
27	Nitrite Nitrogen	N	MG/L	Y	0.01
29	pH, Lab	N	S.U.	Y	9.8
30	Potassium	D	MG/L	Y	3
31	Selenium	D	UG/L	N	5
32	Sodium	D	MG/L	Y	362
33	Sodium Adsorption Ratio	N	RATIO	Y	110
34	Sulfates	N	MG/L	Y	60

			loc_report_order	5	
			sys_loc_code	CW2701	
			Date	5/16/2019	
			Depth to Water (FT)	156.24	
report_order	Parameter	Fraction	Units	Detection	Result
35	Sulfide	N	MG/L	Y	25.1
37	Zinc	D	MG/L	Y	0.27
38	Cation / Anion Balance	N	%	Y	0
39	Total Dissolved Solids, Lab	N	MG/L	Y	906
40	Total Dissolved Solids (Calculated)	N	MG/L	Y	885



Period of Record Depth to Water Hydrograph
CW2701



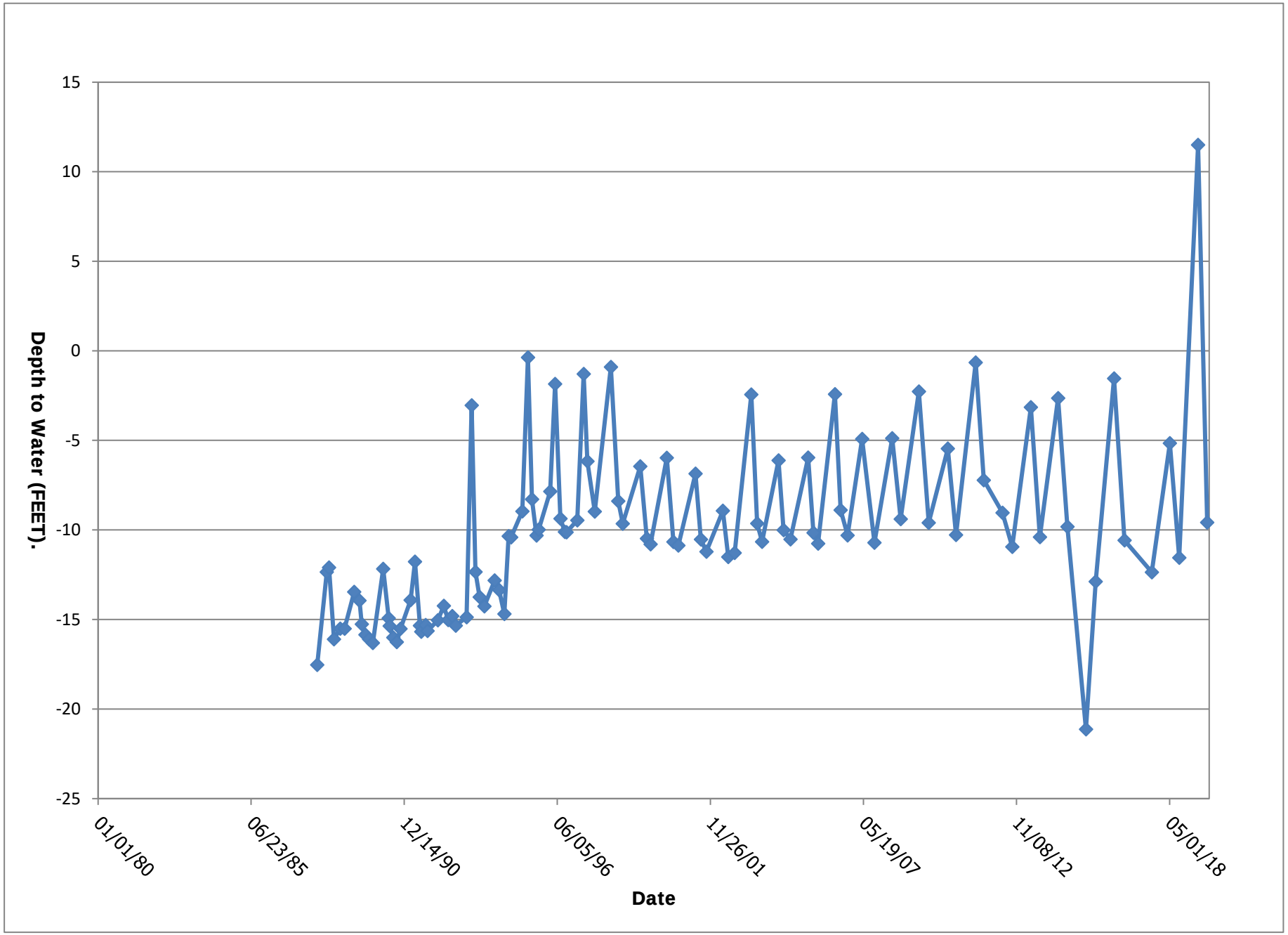
Period of Record TDS Trend Plot

CW2701

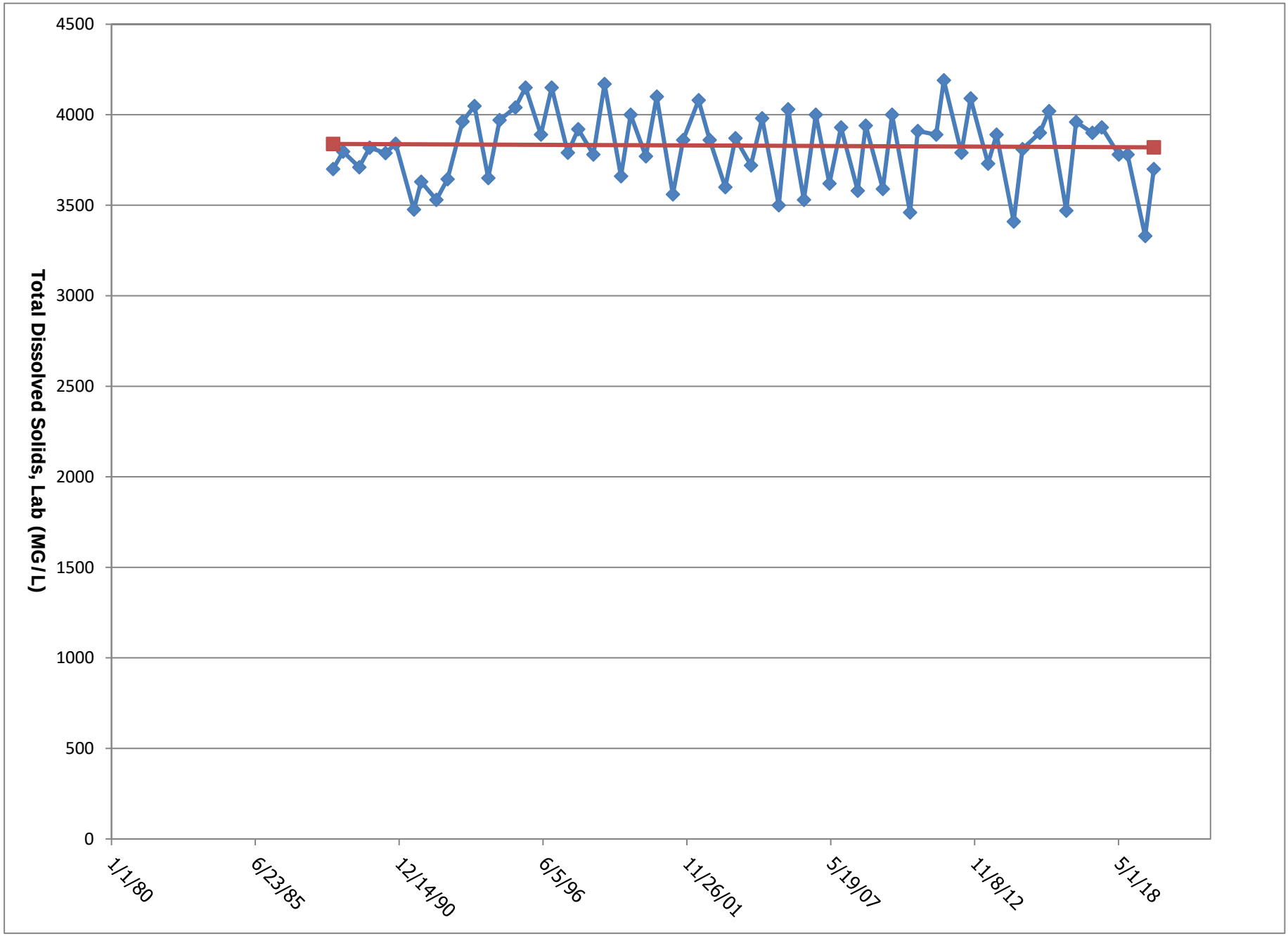
				loc_report_order	6							
				Location Code	SSP61							
				Location Name								
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	6/9/1988	9/3/2019	63	3713	3800	4320	2760	353.3
2	3002 - AHR Wells Long	pH, Field	N	S.U.	6/9/1988	9/3/2019	63	6.84	6.81	7.56	6.48	0.217
3	3002 - AHR Wells Long	Temperature, Field	N	C	6/9/1988	9/3/2018	61	12.2	12	14.5	10	0.972
3	3002 - AHR Wells Long	Temperature, Field	N	DEG-C	5/7/2019	9/3/2019	2	11	11	12.5	9.4	2.19
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/9/1988	9/8/2015	53	398	391	678	164	77.9
6	3002 - AHR Wells Long	Aluminum	D	MG/L	6/9/1988	9/8/2015	51	0.08	0.06	0.2	0.03	0.058
7	3002 - AHR Wells Long	Arsenic	D	UG/L	6/9/1988	9/8/2015	51	2	1	10	0.4	2
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	6/9/1988	5/24/2011	47	494	496	827	200	94.9
9	3002 - AHR Wells Long	Boron	D	UG/L	6/9/1988	9/8/2015	51	470	480	560	290	52
10	3002 - AHR Wells Long	Cadmium	D	UG/L	6/9/1988	9/8/2015	51	10	6	30	3	7
11	3002 - AHR Wells Long	Calcium	D	MG/L	6/9/1988	9/8/2015	53	446	444	540	321	41.5
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	6/9/1988	5/24/2011	47	1	2	2	0	0.9
13	3002 - AHR Wells Long	Chloride	N	MG/L	6/9/1988	9/8/2015	53	40.5	39	77	23	10.3
14	3002 - AHR Wells Long	Chromium	D	UG/L	6/9/1988	9/8/2015	51	20	20	50	10	10
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	6/9/1988	9/8/2015	51	3660	3720	4260	2320	368
16	3002 - AHR Wells Long	Copper	D	UG/L	6/9/1988	9/8/2015	51	20	20	50	10	10
17	3002 - AHR Wells Long	Fluoride	N	MG/L	6/9/1988	5/7/2019	61	0.36	0.4	0.5	0.2	0.056
18	3002 - AHR Wells Long	Hardness	N	MG/L	6/9/1988	9/8/2015	53	2596	2590	3100	1900	234
19	3002 - AHR Wells Long	Iron	D	MG/L	6/9/1988	9/3/2019	64	0.048	0.02	0.41	0.01	0.062
20	3002 - AHR Wells Long	Lead	D	UG/L	6/9/1988	9/8/2015	51	73	80	200	20	58
21	3002 - AHR Wells Long	Magnesium	D	MG/L	6/9/1988	9/8/2015	53	360	354	440	266	40.6
22	3002 - AHR Wells Long	Manganese	D	MG/L	6/9/1988	9/3/2019	64	0.611	0.59	1.98	0.03	0.278
23	3002 - AHR Wells Long	Mercury	D	UG/L	6/9/1988	9/8/2015	51	0.2	0.2	0.5	0.1	0.06
24	3002 - AHR Wells Long	Nickel	D	UG/L	6/9/1988	9/8/2015	51	20	20	60	8	10
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	6/9/1988	5/7/2019	61	8.337	8.1	19.1	1.21	3.949
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	6/9/1988	5/7/2019	61	0.12	0.11	0.5	0.01	0.062
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	6/9/1988	9/8/2015	51	7.3	7.3	8.3	6.7	0.42
30	3002 - AHR Wells Long	Potassium	D	MG/L	6/9/1988	9/8/2015	53	10.5	10.4	13	7.5	1.04
31	3002 - AHR Wells Long	Selenium	D	UG/L	6/9/1988	5/7/2019	61	4.63	1.3	40	0.6	6.5
32	3002 - AHR Wells Long	Sodium	D	MG/L	6/9/1988	9/8/2015	53	127	124	213	70.2	31.8
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	6/9/1988	9/8/2015	51	1.11	1.06	1.87	0.57	0.282
34	3002 - AHR Wells Long	Sulfates	N	MG/L	6/9/1988	5/7/2019	61	2340	2360	2680	1700	196

					loc_report_order	6						
					Location Code	SSP61						
					Location Name							
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
35	3002 - AHR Wells Long	Sulfide	N	MG/L	6/9/1988	9/8/2015	50	0.074	0.02	2	0.01	0.28
37	3002 - AHR Wells Long	Zinc	D	MG/L	6/9/1988	9/8/2015	51	0.03	0.02	0.09	0.01	0.02
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	6/9/1988	9/8/2015	52	-0.45	-0.37	7.4	-16.2	3.56
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	6/9/1988	9/3/2019	64	3815	3829	4190	3330	205.5
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	6/9/1988	9/8/2015	53	3573.22	3600	3970	2700	239.96

			loc_report_order	6		6	
			sys_loc_code	SSP61		SSP61	
			Date	5/7/2019		9/3/2019	
			Depth to Water (FT)	-11.5		9.58	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
1	Specific Conductivity, Field	N	UMHOS/CM	Y	2860	Y	4030
2	pH, Field	N	S.U.	Y	7.56	Y	6.76
3	Temperature, Field	N	DEG-C	Y	9.4	Y	12.5
17	Fluoride	N	MG/L	Y	0.4		
19	Iron	D	MG/L	N	0.2	N	0.2
22	Manganese	D	MG/L	Y	0.03	Y	0.31
25	Nitrate Nitrogen	N	MG/L	Y	9.2		
27	Nitrite Nitrogen	N	MG/L	N	0.05		
31	Selenium	D	UG/L	Y	15.6		
34	Sulfates	N	MG/L	Y	2100		
39	Total Dissolved Solids, Lab	N	MG/L	Y	3330	Y	3700



Period of Record Depth to Water Hydrograph
SSP61

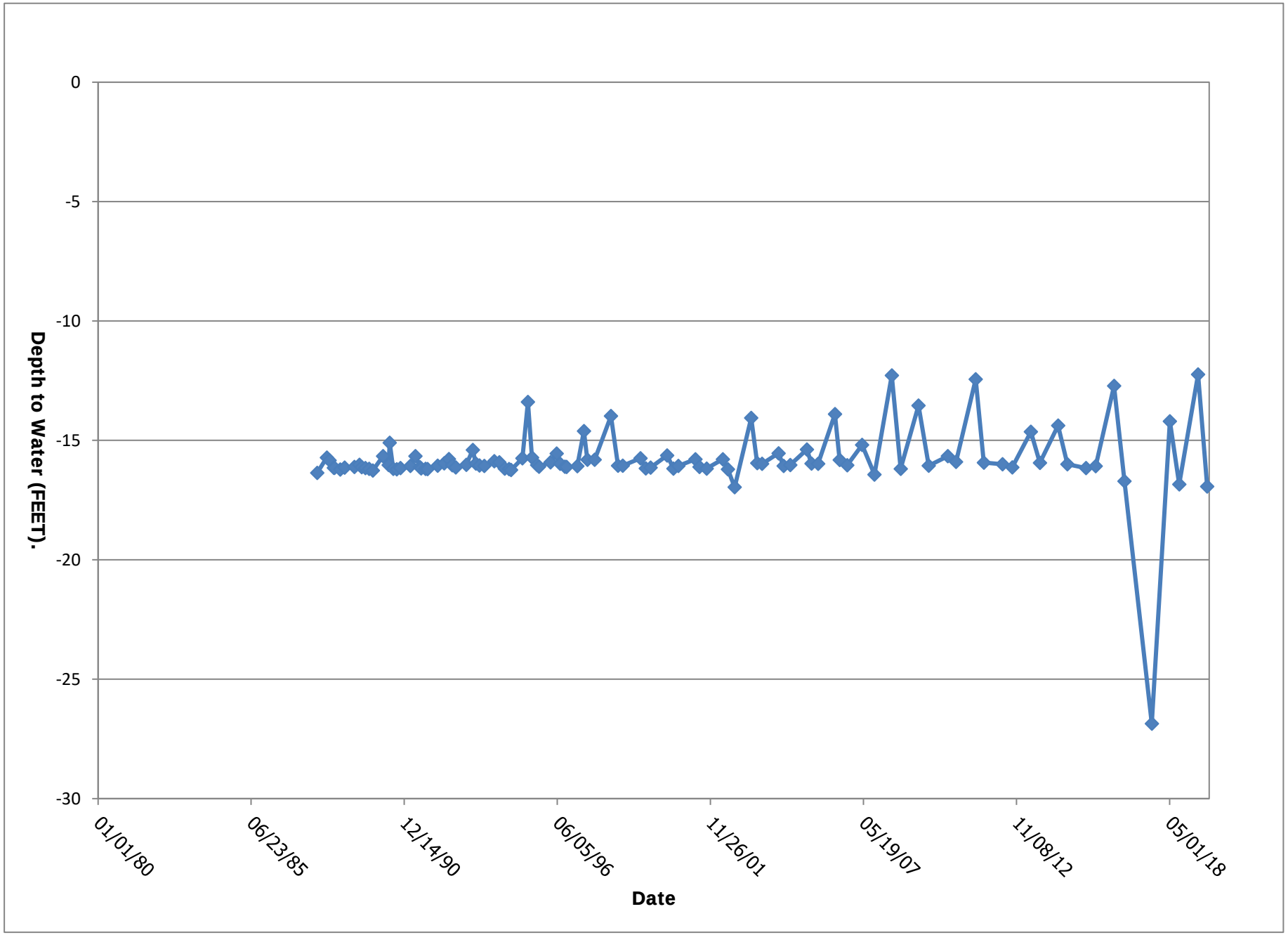


Period of Record TDS Trend Plot
SSP61

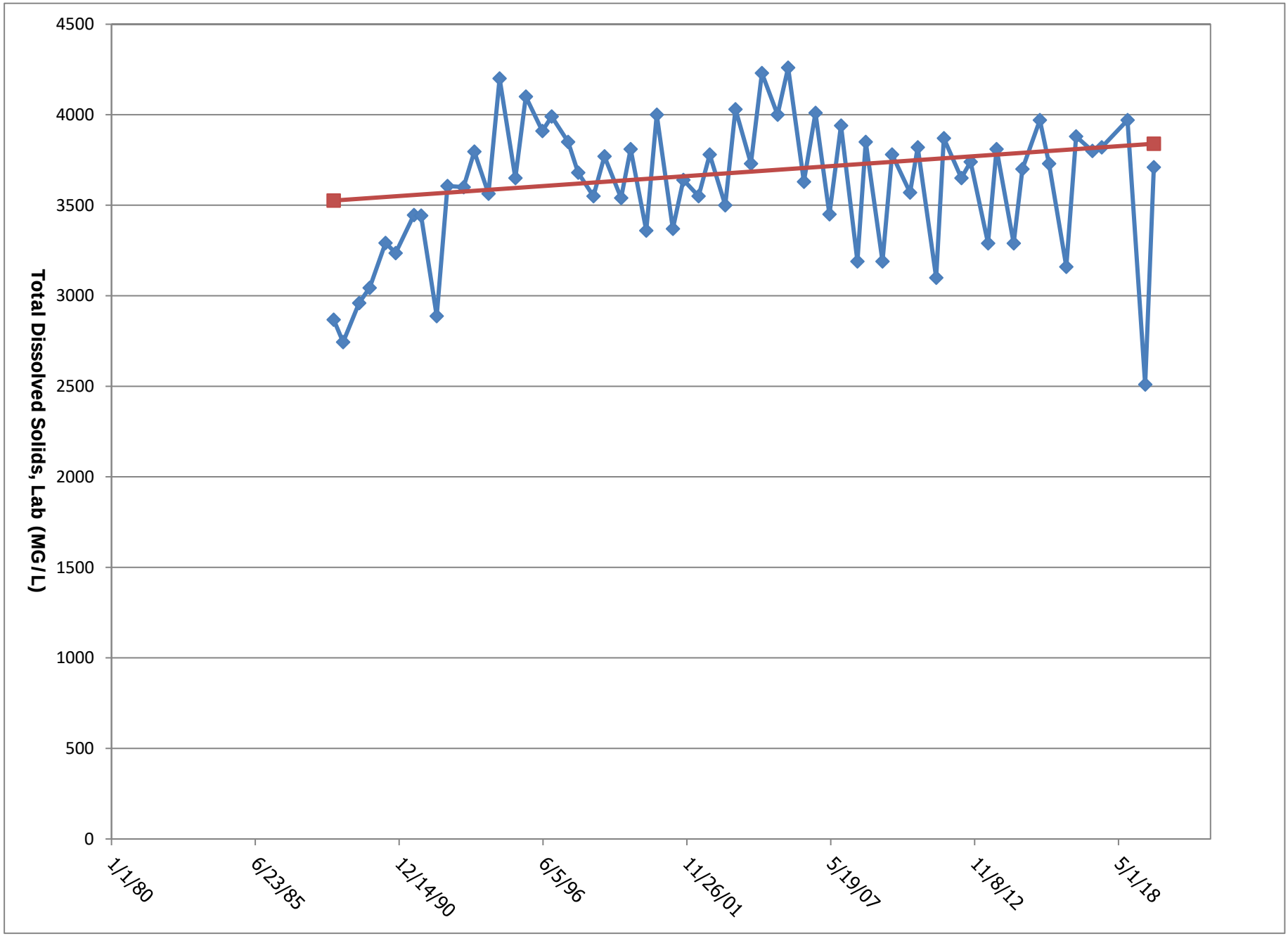
				loc_report_order	7							
				Location Code	SSP62							
				Location Name								
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
1	3002 - AHR Wells Long	Specific Conductivity, Field	N	UMHOS/CM	6/16/1988	9/3/2019	63	3530	3580	4450	2100	413.2
2	3002 - AHR Wells Long	pH, Field	N	S.U.	6/16/1988	9/3/2019	63	6.93	6.89	7.57	6.47	0.234
3	3002 - AHR Wells Long	Temperature, Field	N	C	6/16/1988	9/3/2018	61	11.1	11.1	13.4	9.2	0.815
3	3002 - AHR Wells Long	Temperature, Field	N	DEG-C	5/7/2019	9/3/2019	2	11.4	11.4	12.6	10.1	1.77
4	3002 - AHR Wells Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/16/1988	9/8/2015	53	384	394	513	101	69.6
6	3002 - AHR Wells Long	Aluminum	D	MG/L	6/16/1988	9/8/2015	51	0.07	0.06	0.2	0.03	0.04
7	3002 - AHR Wells Long	Arsenic	D	UG/L	6/16/1988	9/8/2015	51	2	1	20	0.4	3
8	3002 - AHR Wells Long	Bicarbonate as HCO3	N	MG/L	6/16/1988	5/24/2011	47	458	480	556	123	81.8
9	3002 - AHR Wells Long	Boron	D	UG/L	6/16/1988	9/8/2015	51	240	240	320	170	34
10	3002 - AHR Wells Long	Cadmium	D	UG/L	6/16/1988	9/8/2015	51	9	6	30	3	7
11	3002 - AHR Wells Long	Calcium	D	MG/L	6/16/1988	9/8/2015	53	448	449	527	371	36.6
12	3002 - AHR Wells Long	Carbonate as CO3	N	MG/L	6/16/1988	5/24/2011	47	2	2	5	0	1
13	3002 - AHR Wells Long	Chloride	N	MG/L	6/16/1988	9/8/2015	53	18.5	17	47	9.6	7.18
14	3002 - AHR Wells Long	Chromium	D	UG/L	6/16/1988	9/8/2015	51	20	20	50	10	10
15	3002 - AHR Wells Long	Specific Conductivity, Lab	N	UMHOS/CM	6/16/1988	9/8/2015	51	3403	3550	4270	362	610.3
16	3002 - AHR Wells Long	Copper	D	UG/L	6/16/1988	9/8/2015	51	20	20	50	10	10
17	3002 - AHR Wells Long	Fluoride	N	MG/L	6/16/1988	5/7/2019	60	0.27	0.3	0.4	0.2	0.055
18	3002 - AHR Wells Long	Hardness	N	MG/L	6/16/1988	9/8/2015	53	2520	2560	3010	1813	283.5
19	3002 - AHR Wells Long	Iron	D	MG/L	6/16/1988	9/3/2019	63	0.109	0.02	3.92	0.01	0.493
20	3002 - AHR Wells Long	Lead	D	UG/L	6/16/1988	9/8/2015	51	60	60	200	20	40
21	3002 - AHR Wells Long	Magnesium	D	MG/L	6/16/1988	9/8/2015	53	341	344	427	216	54.1
22	3002 - AHR Wells Long	Manganese	D	MG/L	6/16/1988	9/3/2019	63	1.74	0.77	8.05	0.01	2.16
23	3002 - AHR Wells Long	Mercury	D	UG/L	6/16/1988	9/8/2015	51	0.2	0.2	0.2	0.1	0.04
24	3002 - AHR Wells Long	Nickel	D	UG/L	6/16/1988	9/8/2015	51	22	20	50	10	9.7
25	3002 - AHR Wells Long	Nitrate Nitrogen	N	MG/L	6/16/1988	5/7/2019	60	2.853	2.13	15.72	0.03	3.131
27	3002 - AHR Wells Long	Nitrite Nitrogen	N	MG/L	6/16/1988	5/7/2019	60	0.01	0.01	0.1	0.01	0.02
29	3002 - AHR Wells Long	pH, Lab	N	S.U.	6/16/1988	9/8/2015	51	7.4	7.3	8.3	6.8	0.41
30	3002 - AHR Wells Long	Potassium	D	MG/L	6/16/1988	9/8/2015	53	7.5	7.3	12	5.6	1.1
31	3002 - AHR Wells Long	Selenium	D	UG/L	6/16/1988	5/7/2019	60	3.25	2	12.2	0.5	2.77
32	3002 - AHR Wells Long	Sodium	D	MG/L	6/16/1988	9/8/2015	53	90.8	66.2	260	41.1	49.3
33	3002 - AHR Wells Long	Sodium Adsorption Ratio	N	RATIO	6/16/1988	9/8/2015	51	0.826	0.58	2.25	0.37	0.479
34	3002 - AHR Wells Long	Sulfates	N	MG/L	6/16/1988	5/7/2019	60	2229	2267	2720	1330	270.3

					loc_report_order Location Code Location Name			7 SSP62				
report_order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
35	3002 - AHR Wells Long	Sulfide	N	MG/L	6/16/1988	9/8/2015	51	0.133	0.02	2.48	0.01	0.45
37	3002 - AHR Wells Long	Zinc	D	MG/L	6/16/1988	9/8/2015	51	0.03	0.02	0.09	0.01	0.02
38	3002 - AHR Wells Long	Cation / Anion Balance	N	%	6/16/1988	9/8/2015	52	-0.36	-0.5	7.8	-5.7	3
39	3002 - AHR Wells Long	Total Dissolved Solids, Lab	N	MG/L	6/16/1988	9/3/2019	63	3610	3680	4260	2510	371.4
40	3002 - AHR Wells Long	Total Dissolved Solids (Calculated)	N	MG/L	6/16/1988	9/8/2015	53	3375.59	3443	4082	2700	311.392

			loc_report_order	7		7	
			sys_loc_code	SSP62		SSP62	
			Date	5/7/2019		9/3/2019	
			Depth to Water (FT)	12.24		16.93	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
1	Specific Conductivity, Field	N	UMHOS/CM	Y	2400	Y	3850
2	pH, Field	N	S.U.	Y	7.51	Y	6.88
3	Temperature, Field	N	DEG-C	Y	10.1	Y	12.6
17	Fluoride	N	MG/L	Y	0.2		
19	Iron	D	MG/L	Y	0.53	Y	0.18
22	Manganese	D	MG/L	Y	8.05	Y	4.88
25	Nitrate Nitrogen	N	MG/L	N	0.1		
27	Nitrite Nitrogen	N	MG/L	N	0.05		
31	Selenium	D	UG/L	N	5		
34	Sulfates	N	MG/L	Y	1330		
39	Total Dissolved Solids, Lab	N	MG/L	Y	2510	Y	3710



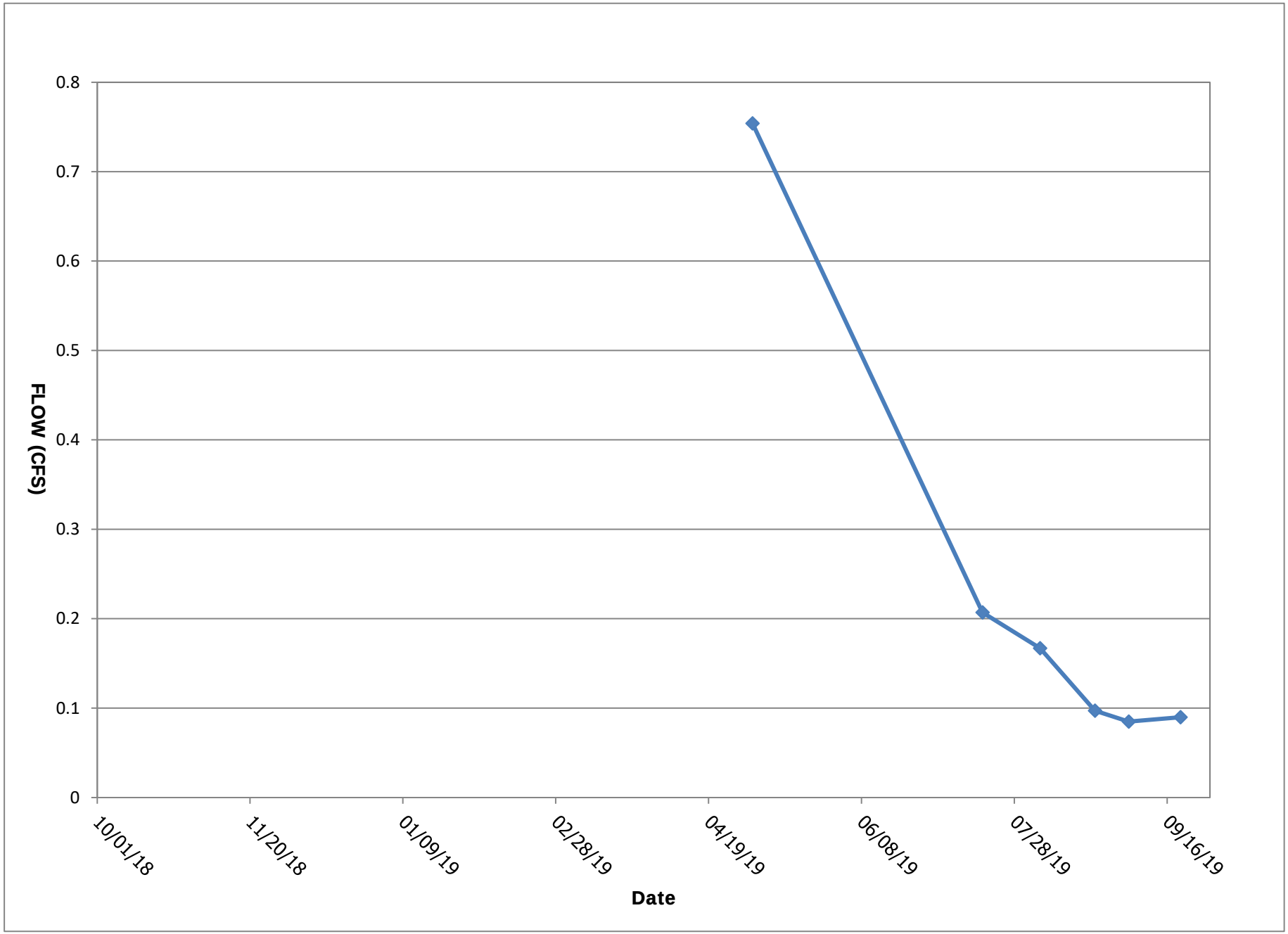
Period of Record Depth to Water Hydrograph
SSP62



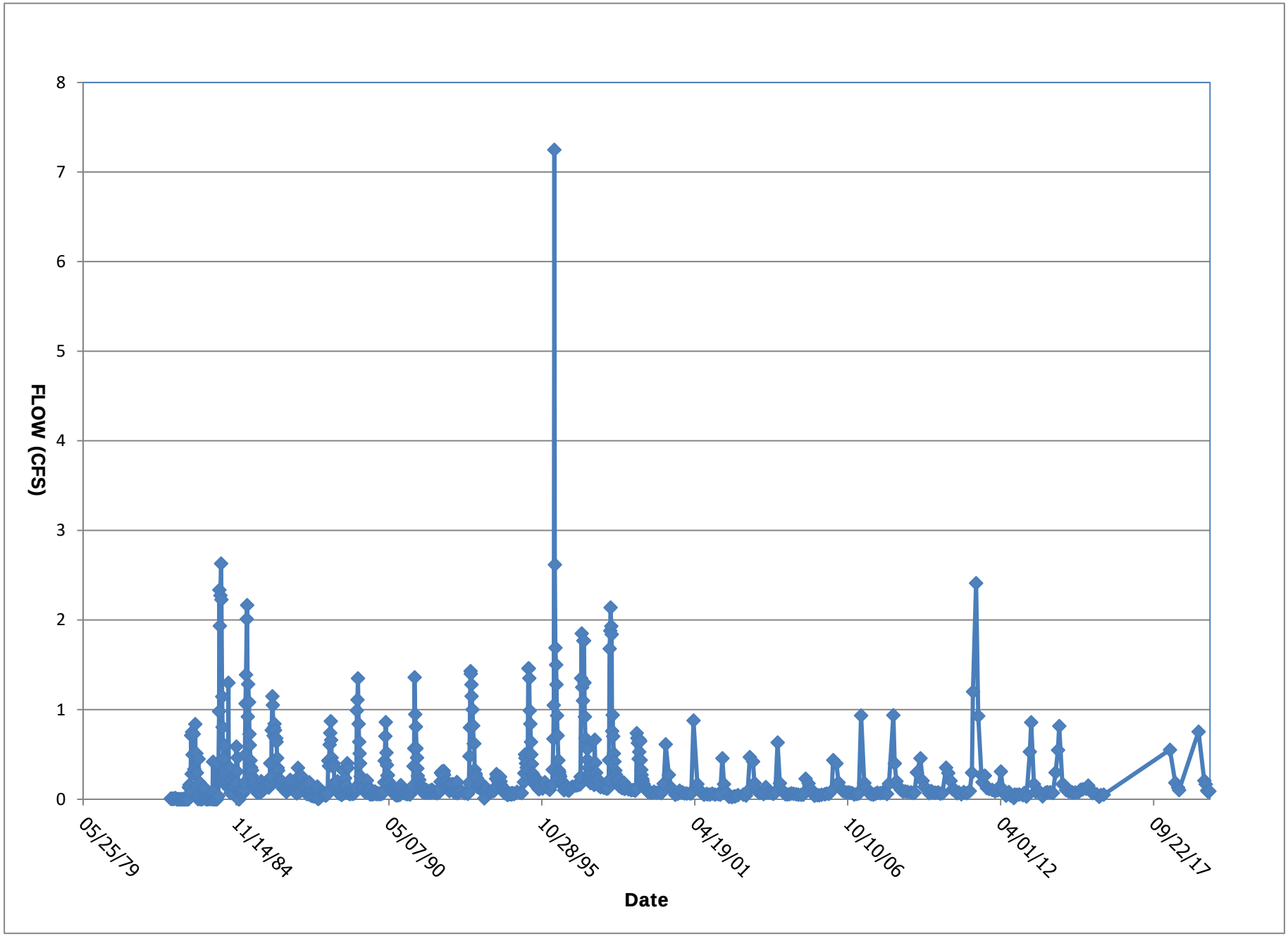
Period of Record TDS Trend Plot
SSP62

				loc_report_order	3	3		3	
				Location Code	NPDES4	NPDES4		NPDES4	
				sys_sample_code	3002_NPDES4_05032019	3002_NPDES4_07172019		3002_NPDES4_08052019	
				Site ID					
				Date	5/3/2019	7/17/2019		8/5/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	338.4	Y	92.7	Y	74.8
2	pH, Field	N	S.U.	Y	8.17	Y	8.07	Y	8.07
3	Temperature, Field	N	C	Y	9	Y	23.9	Y	22.2
4	Specific Conductivity, Field	N	UMHOS/CM	Y	3032	Y	3878	Y	4010
7	Selenium	D	UG/L	Y	8.1	Y	2		
7	Selenium	TR	UG/L	Y	7.9	Y	1.2		
8	Solids, Total Suspended	N	MG/L					Y	6
9	Total Dissolved Solids, Lab	N	MG/L	Y	2800	Y	3830	Y	4020
19	Solids, Settleable	N	ML/L					N	0.5

				loc_report_order	3	3		3	
				Location Code	NPDES4	NPDES4		NPDES4	
				sys_sample_code	3002_NPDES4_08232019	3002_NPDES4_09032019		3002_NPDES4_09202019	
				Site ID					
				Date	8/23/2019	9/3/2019		9/20/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	43.6	Y	38.1	Y	40.3
2	pH, Field	N	S.U.		Y	7.94	Y	8.09	Y	8.01
3	Temperature, Field	N	C		Y	17.3	Y	17.1	Y	14.5
4	Specific Conductivity, Field	N	UMHOS/CM		Y	4040	Y	4127	Y	4170
7	Selenium	D	UG/L							
7	Selenium	TR	UG/L							
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	4130	Y	4240	Y	4210
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

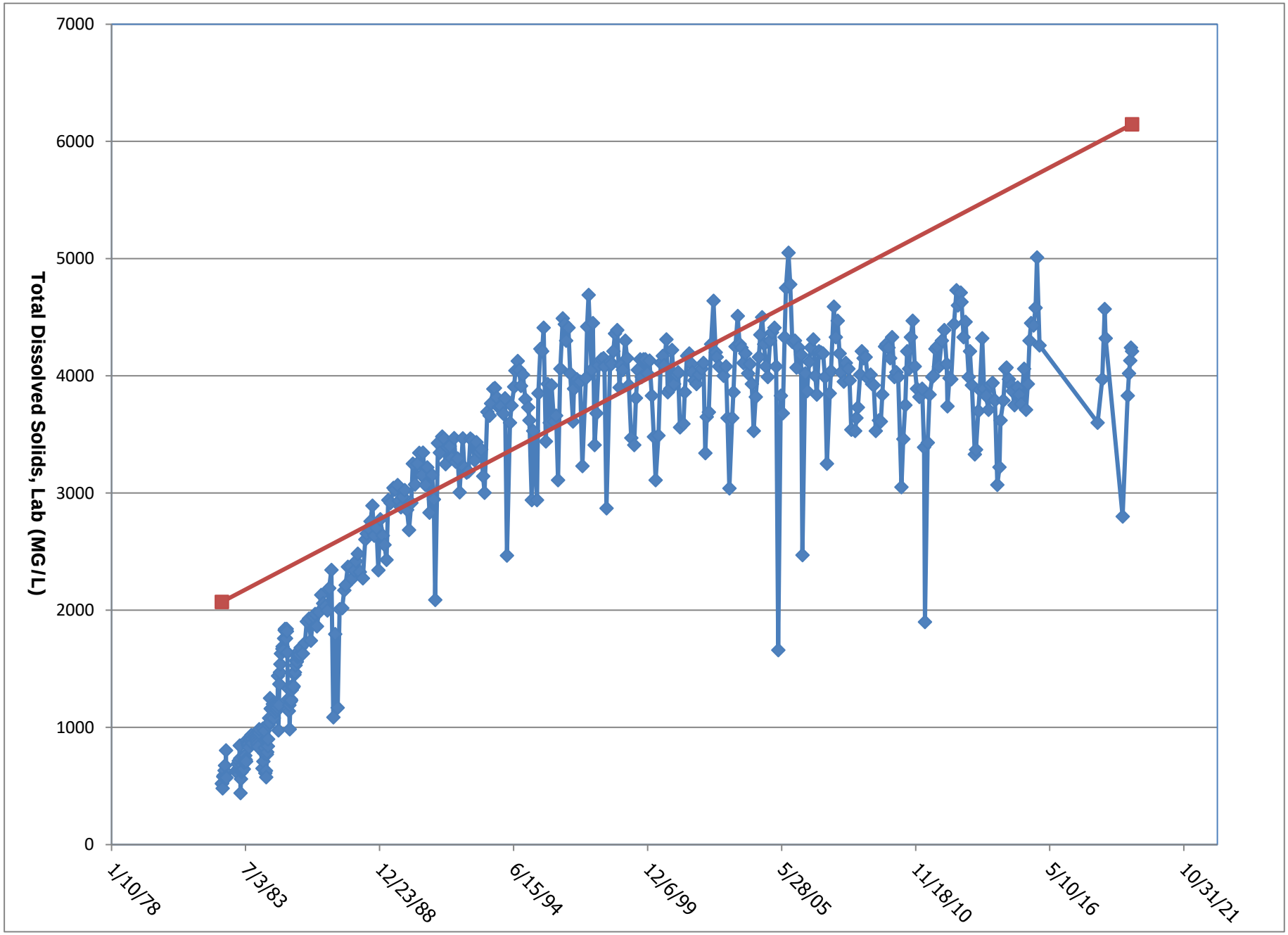


Water Year Water Discharge Hydrograph
NPDES4



Period of Record Water Discharge Hydrograph

NPDES4



Period of Record TDS Trend Plot

NPDES4

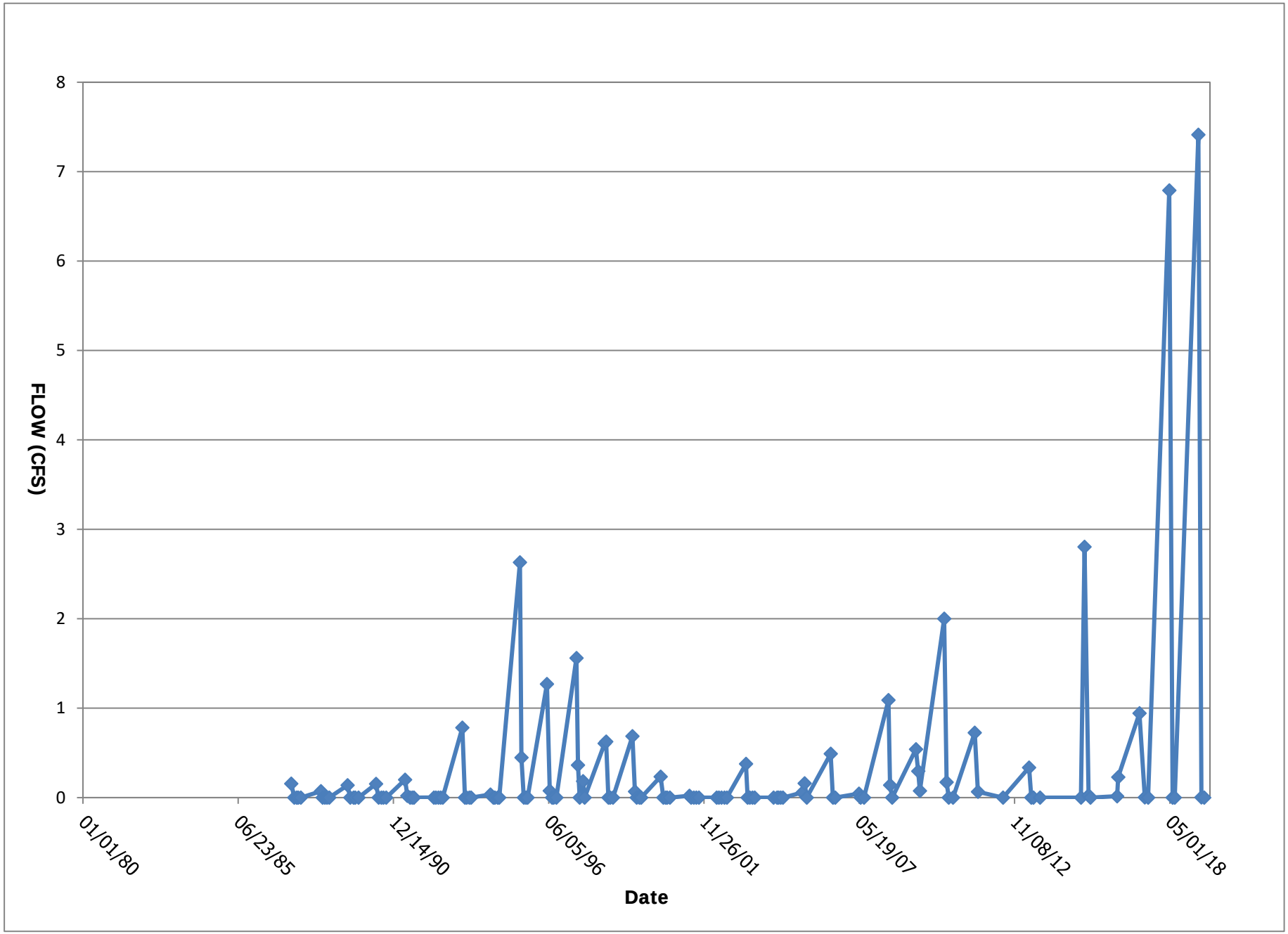
				loc_report_order Location Code Location Name	1 SSC10							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	5/7/1987	7/17/2019	131	120.321	0	3327	0	432.015
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	5/7/1987	6/11/2019	47	3338	3350	5150	4.43	782.1
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	5/7/1987	6/11/2019	46	8.16	8.19	8.94	7.16	0.35
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	5/7/1987	4/24/2018	45	17.2	17.4	29.2	5.8	4.61
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	5/3/2019	6/11/2019	2	11.5	11.5	15.4	7.5	5.59
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	5/7/1987	6/19/2015	36	252	251	335	192	39.2
6	3002 - AHR SW & SPR Long	Arsenic	D	UG/L	5/7/1987	5/7/1987	1	1	1	1	1	0
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	5/7/1987	6/19/2015	35	1.4	1	5	0.8	0.84
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	5/7/1987	6/19/2015	35	300	305	409	227	48.1
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	5/24/1988	6/19/2015	34	210	210	340	110	53
8	3002 - AHR SW & SPR Long	Boron	T	UG/L	5/7/1987	5/7/1987	1	120	120	120	120	0
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	5/7/1987	6/19/2015	5	1	0.5	5	0.1	2
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	5/18/2005	6/17/2010	11	0.2	0.2	0.5	0.1	0.1
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	5/7/1987	6/14/2005	24	1	0.5	5	0.1	2
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	5/24/1988	6/19/2015	35	305	311	446	215	49.9
10	3002 - AHR SW & SPR Long	Calcium	T	MG/L	5/7/1987	5/7/1987	1	181	181	181	181	0
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	5/7/1987	6/19/2015	35	3.3	2	18	0	3.9
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	5/7/1987	6/19/2015	36	28.8	28	53	11	9.29
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	5/18/2005	6/19/2015	4	2	2	3	0.1	2
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	5/18/2005	6/17/2010	11	2.42	1	18.9	0.1	5.53
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	5/7/1987	6/14/2005	24	20	10	50	0.3	10
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	5/7/1987	6/19/2015	35	3519	3420	5160	2550	524.5
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	5/7/1987	6/19/2015	5	6.36	3	14.6	1.2	5.71
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	5/18/2005	6/17/2010	11	2.9	3	4	1.1	0.98
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	5/7/1987	6/14/2005	24	17	10	50	1.6	14
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	5/7/1987	6/19/2015	35	2014	2070	3000	1377	386
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	5/7/1987	6/14/2005	24	0.04	0.02	0.2	0.01	0.04
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	5/24/1988	6/17/2010	32	0.3	0.21	2.5	0.04	0.43
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	5/7/1987	6/11/2019	22	0.39	0.29	1	0.05	0.3
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	5/7/1987	6/19/2015	5	4	0.5	20	0.1	9
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	5/18/2005	6/17/2010	11	0.3	0.2	0.8	0.1	0.2
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	5/7/1987	6/14/2005	24	5	1	20	0.1	7

				loc_report_order Location Code Location Name	1 SSC10							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	5/24/1988	6/19/2015	35	308	316	457	184	65.1
20	3002 - AHR SW & SPR Long	Magnesium	T	MG/L	5/7/1987	5/7/1987	1	231	231	231	231	0
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	5/7/1987	6/11/2019	30	0.17	0.105	0.71	0.01	0.198
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	5/18/2005	6/13/2017	14	0.24	0.18	0.72	0.03	0.21
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	5/24/1988	6/14/2005	23	0.17	0.14	0.77	0.01	0.16
21	3002 - AHR SW & SPR Long	Manganese	TR	MG/L	5/7/1987	5/7/1987	1	0.32	0.32	0.32	0.32	0
22	3002 - AHR SW & SPR Long	Mercury	D	UG/L	5/7/1987	5/7/1987	1	0.2	0.2	0.2	0.2	0
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	5/18/2005	6/11/2019	20	0.3	0.2	1	0.2	0.2
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	5/7/1987	5/21/2003	22	0.2	0.2	0.2	0.1	0.04
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	5/7/1987	6/19/2015	5	20	20	40	8	10
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	5/18/2005	6/17/2010	11	20	20	50	10	10
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	5/7/1987	6/14/2005	24	20	20	50	10	10
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	5/7/1987	6/11/2019	42	0.097	0.05	0.28	0.02	0.073
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	5/7/1987	6/11/2019	42	0.262	0.02	2.06	0.02	0.545
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	5/24/1988	6/11/2019	41	0.02	0.01	0.07	0.01	0.02
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	5/7/1987	6/19/2015	35	8.2	8.2	8.5	7.7	0.18
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	5/24/1988	6/19/2015	35	5.78	5.7	10.8	4.1	1.05
29	3002 - AHR SW & SPR Long	Potassium	T	MG/L	5/7/1987	5/7/1987	1	5	5	5	5	0
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	5/7/1987	6/11/2019	20	2.5	2.5	5.2	0.7	1.3
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	5/18/2005	6/11/2019	17	2.1	1.8	4.8	0.7	1
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	5/7/1987	6/11/2019	39	4.2	3	20	1	3.9
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	5/7/1987	6/19/2015	5	2	0.3	10	0.05	4
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	5/18/2005	6/17/2010	11	0.1	0.1	0.3	0.05	0.07
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	5/7/1987	6/14/2005	24	2	0.5	10	0.05	4
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	5/24/1988	6/19/2015	35	228	214	393	95	74.4
32	3002 - AHR SW & SPR Long	Sodium	T	MG/L	5/7/1987	5/7/1987	1	358	358	358	358	0
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	5/7/1987	6/19/2015	35	2.33	2.26	4.21	0.98	0.76
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	5/7/1987	6/11/2019	50	2213	2160	3370	1010	455.7
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	5/24/1988	6/11/2019	40	0.04	0.02	0.3	0.01	0.06
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	5/7/1987	6/19/2015	5	0.02	0.02	0.05	0.01	0.02
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	5/18/2005	6/17/2010	11	0.02	0.01	0.05	0.01	0.01
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	5/7/1987	6/14/2005	24	0.02	0.02	0.06	0.01	0.02

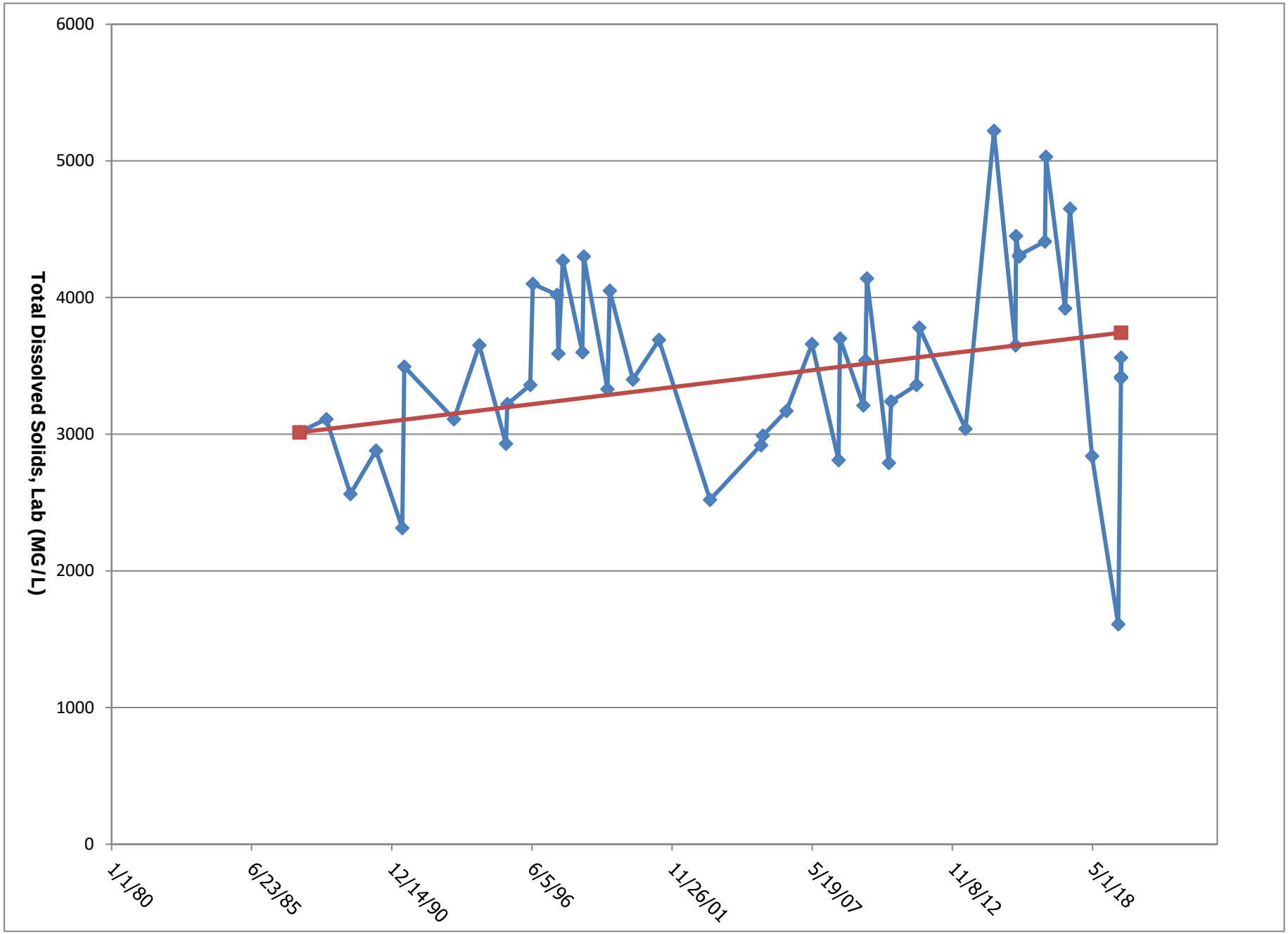
					loc_report_order Location Code Location Name			1 SSC10				
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	5/7/1987	6/19/2015	36	-1.19	-1.3	5.4	-6.7	2.6
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	5/7/1987	6/11/2019	50	3513	3457	5220	1610	690.5
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	5/24/1988	6/19/2015	34	3243.36	3210	4720	2183	584.69
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	5/7/1987	6/11/2019	47	27	12	690	2	99

				loc_report_order	1	1		1		1	
				Location Code	SSC10	SSC10		SSC10		SSC10	
				sys_sample_code	3002_SSC10_05032019	3002_SSC10_06112019		3002_SSC10_06112019A		3002_SSC10_06112019B	
				Site ID							
				Date	5/3/2019	6/11/2019		6/11/2019		6/11/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM		Y	3327	Y	1	Y	1	Y	1
1	Specific Conductivity, Field	N	UMHOS/CM		Y	1997	Y	3796	Y	3796	Y	3796
2	pH, Field	N	S.U.		Y	8.59	Y	8.7	Y	8.7	Y	8.7
3	Temperature, Field	N	DEG-C		Y	7.5	Y	15.4	Y	15.4	Y	15.4
18	Iron	TR	MG/L				Y	0.23			Y	0.07
21	Manganese	D	MG/L				Y	0.0272			Y	0.0268
22	Mercury	T	UG/L				N	1			N	1
24	Ammonia Nitrogen	N	MG/L				N	0.2			N	0.2
26	Nitrate Nitrogen	N	MG/L				N	0.1			Y	0.06
27	Nitrite Nitrogen	N	MG/L				N	0.05			N	0.05
30	Selenium	D	UG/L		Y	3.3	Y	2.2	Y	2.2	Y	2.1
30	Selenium	PD	UG/L				Y	2			Y	1.8
30	Selenium	TR	UG/L		Y	3.3	Y	2	Y	2.1	Y	1.9
34	Sulfates	N	MG/L		Y	1010	Y	2350	Y	2210	Y	2210
35	Sulfide	N	MG/L				N	0.1			N	0.1
39	Total Dissolved Solids, Lab	N	MG/L		Y	1610	Y	3560	Y	3420	Y	3410
41	Solids, Total Suspended	N	MG/L				Y	13			Y	8

			loc_report_order	1	
			Location Code	SSC10	
			sys_sample_code	3002_SSC10_07172019	
			Site ID		
			Date	7/17/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	0
1	Specific Conductivity, Field	N	UMHOS/CM		
2	pH, Field	N	S.U.		
3	Temperature, Field	N	DEG-C		
18	Iron	TR	MG/L		
21	Manganese	D	MG/L		
22	Mercury	T	UG/L		
24	Ammonia Nitrogen	N	MG/L		
26	Nitrate Nitrogen	N	MG/L		
27	Nitrite Nitrogen	N	MG/L		
30	Selenium	D	UG/L		
30	Selenium	PD	UG/L		
30	Selenium	TR	UG/L		
34	Sulfates	N	MG/L		
35	Sulfide	N	MG/L		
39	Total Dissolved Solids, Lab	N	MG/L		
41	Solids, Total Suspended	N	MG/L		



Period of Record Water Discharge Hydrograph
SSC10



Period of Record TDS Trend Plot
SSC10

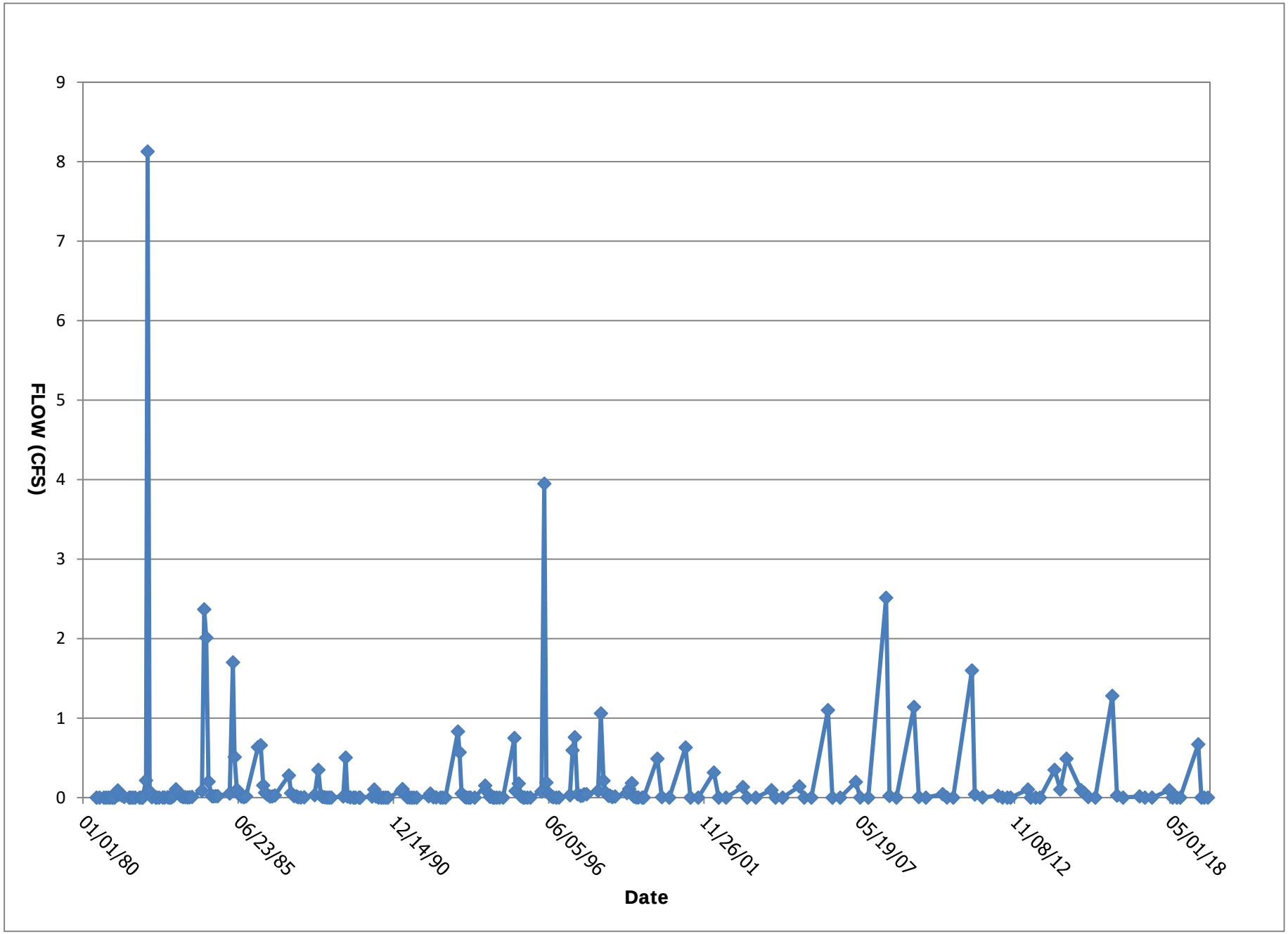
				loc_report_order Location Code Location Name	2 SSLG5							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	6/24/1980	9/3/2019	232	80.745	3.315	3648	0	305.891
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	3/20/1981	5/2/2019	152	1410	1215	4120	0.77	878.4
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	5/18/1981	5/2/2019	152	8.29	8.3	9.57	7	0.347
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	12/29/1982	4/24/2018	140	11.9	12.2	28	0.2	7.29
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	5/2/2019	5/2/2019	1	2	2	2	2	0
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	3/20/1981	6/15/2015	83	262	300	409	70	102
6	3002 - AHR SW & SPR Long	Arsenic	D	UG/L	3/20/1981	5/11/1994	4	1	1	1	1	0
6	3002 - AHR SW & SPR Long	Arsenic	T	UG/L	4/13/1982	4/11/1984	9	3.2	2	17	1	5.2
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/12/1987	6/15/2015	48	2	1.1	15	0.5	2.1
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	7/13/1983	4/29/2013	56	297	352	486	67	132
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	3/20/1981	6/15/2015	49	101	50	540	20	121
8	3002 - AHR SW & SPR Long	Boron	T	UG/L	4/13/1982	4/11/1984	9	149	131	320	20	80.3
8	3002 - AHR SW & SPR Long	Boron	TR	UG/L	9/8/1987	9/8/1987	1	90	90	90	90	0
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	3/20/1981	6/15/2015	10	2	0.5	5	0.1	2
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	4/7/2005	5/9/2011	9	0.1	0.1	0.2	0.1	0.04
9	3002 - AHR SW & SPR Long	Cadmium	T	UG/L	4/13/1982	4/11/1984	8	3	4	8	0.2	3
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	6/12/1987	4/7/2005	35	1	0.5	5	0.1	2
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	3/20/1981	4/6/2017	51	151	158	477	26.8	99.3
10	3002 - AHR SW & SPR Long	Calcium	T	MG/L	4/13/1982	3/3/1987	18	126	141	216	21	55.7
10	3002 - AHR SW & SPR Long	Calcium	TR	MG/L	6/12/1987	9/8/1987	2	162	162	175	148	19.1
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	7/13/1983	4/29/2013	56	3.7	2	42	0	7
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	3/20/1981	6/15/2015	69	26.1	21	203	3	27.2
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	3/20/1981	6/15/2015	10	7	3	20	0.1	8
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	4/7/2005	5/9/2011	9	0.4	0.5	1	0.1	0.3
13	3002 - AHR SW & SPR Long	Chromium	T	UG/L	11/18/1982	11/18/1982	1	1760	1760	1760	1760	0
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	6/12/1987	4/7/2005	35	11	10	20	4.7	3.4
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	3/20/1981	6/15/2015	82	1469	1430	4360	230	840.6
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	3/20/1981	6/15/2015	10	8.2	3	40	1	12
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	4/7/2005	5/9/2011	9	4.19	3.3	10.1	2.4	2.46
15	3002 - AHR SW & SPR Long	Copper	T	UG/L	4/13/1982	4/11/1984	8	20	20	50	5	20
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	6/12/1987	4/7/2005	35	11	10	20	5.6	3.7
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	3/20/1981	4/6/2017	68	775.9	763	3180	94	587.9

				loc_report_order Location Code Location Name	2 SSLG5							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	3/20/1981	5/2/2019	78	0.0779	0.02	1.73	0.01	0.216
18	3002 - AHR SW & SPR Long	Iron	PD	MG/L	4/8/2014	5/2/2019	9	0.3	0.35	0.48	0.1	0.14
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	3/20/1981	5/9/2011	77	3.29	0.83	81	0.03	9.52
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	4/10/2006	5/2/2019	28	2.77	1.9	14.2	0.05	3.15
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	3/20/1981	6/15/2015	10	8	0.5	20	0.1	10
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	4/7/2005	5/9/2011	9	1.3	1.2	4.2	0.1	1.2
19	3002 - AHR SW & SPR Long	Lead	T	UG/L	4/13/1982	4/11/1984	9	20	20	30	20	4
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	6/12/1987	4/7/2005	35	6.3	3	20	0.5	7.7
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	3/20/1981	4/6/2017	51	108	96	483	13.8	100
20	3002 - AHR SW & SPR Long	Magnesium	T	MG/L	4/13/1982	9/8/1987	20	79.8	84.5	134	7	39.3
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	3/20/1981	5/2/2019	75	0.073	0.04	0.65	0.0025	0.1
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	4/7/2005	4/24/2018	14	0.046	0.04	0.15	0.0043	0.04
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	5/18/1981	4/7/2005	62	0.091	0.06	0.38	0.01	0.082
21	3002 - AHR SW & SPR Long	Manganese	TR	MG/L	6/12/1987	6/12/1987	1	0.18	0.18	0.18	0.18	0
22	3002 - AHR SW & SPR Long	Mercury	D	UG/L	3/20/1981	5/11/1994	4	0.1	0.1	0.2	0.02	0.1
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	4/13/1982	5/2/2019	33	0.27	0.2	1	0.02	0.26
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	6/12/1987	4/13/2004	34	0.2	0.2	0.2	0.1	0.05
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	3/20/1981	6/15/2015	10	20	20	20	8	5
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	4/7/2005	5/9/2011	9	10	10	10	10	0
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	6/12/1987	4/7/2005	35	20	20	100	10	20
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	3/20/1981	5/2/2019	78	0.087	0.055	0.5	0.02	0.076
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	3/20/1981	5/2/2019	78	2.49	1.21	30.3	0.02	4.03
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	9/8/1987	5/2/2019	57	0.036	0.01	0.33	0.01	0.052
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	3/20/1981	6/15/2015	83	8.2	8.2	9.1	6.3	0.33
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	3/20/1981	6/15/2015	50	4.96	4.2	10.2	3	1.87
29	3002 - AHR SW & SPR Long	Potassium	T	MG/L	4/13/1982	3/3/1987	18	5	4.6	9	3.5	1.3
29	3002 - AHR SW & SPR Long	Potassium	TR	MG/L	6/12/1987	9/8/1987	2	7	7	7	6	0.7
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	3/20/1981	5/2/2019	21	3.67	2	16.7	1	3.91
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	4/7/2005	5/2/2019	15	2.8	1.9	8.1	1	2.3
30	3002 - AHR SW & SPR Long	Selenium	T	UG/L	4/13/1982	4/11/1984	9	1	1	2	1	0.5
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	6/12/1987	5/2/2019	46	3.4	1.6	35	1	5.4
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	6/12/1987	6/15/2015	8	3	0.2	10	0.05	5

					loc_report_order Location Code Location Name			2 SSLG5				
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	4/7/2005	5/9/2011	9	0.06	0.05	0.1	0.05	0.02
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	6/12/1987	4/7/2005	35	3	0.5	10	0.05	4
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	3/20/1981	6/15/2015	50	103	97.5	455	16.3	74.4
32	3002 - AHR SW & SPR Long	Sodium	T	MG/L	4/13/1982	3/3/1987	18	85.3	93.5	180	10	46.5
32	3002 - AHR SW & SPR Long	Sodium	TR	MG/L	6/12/1987	9/8/1987	2	171	171	230	112	83.4
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	7/13/1983	6/15/2015	61	1.59	1.52	4.63	0.48	0.726
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	3/20/1981	5/2/2019	79	690	600	2780	49	574
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/12/1987	5/2/2019	58	0.455	0.03	17.3	0.01	2.27
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	3/20/1981	6/15/2015	10	0.01	0.01	0.02	0.01	0.005
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	4/7/2005	5/9/2011	9	0.01	0.01	0.05	0.01	0.01
37	3002 - AHR SW & SPR Long	Zinc	T	MG/L	11/4/1981	4/11/1984	9	0.069	0.03	0.33	0.01	0.1
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	6/12/1987	4/7/2005	35	0.02	0.02	0.07	0.01	0.02
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	7/13/1983	6/15/2015	61	0.234	0.49	8.5	-8.2	2.8
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	3/20/1981	5/2/2019	98	1321	1192	4470	185	968.4
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	7/13/1983	6/15/2015	56	1249	1189	4170	165	905.5
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	3/20/1981	5/2/2019	98	79.8	26	2860	1	295

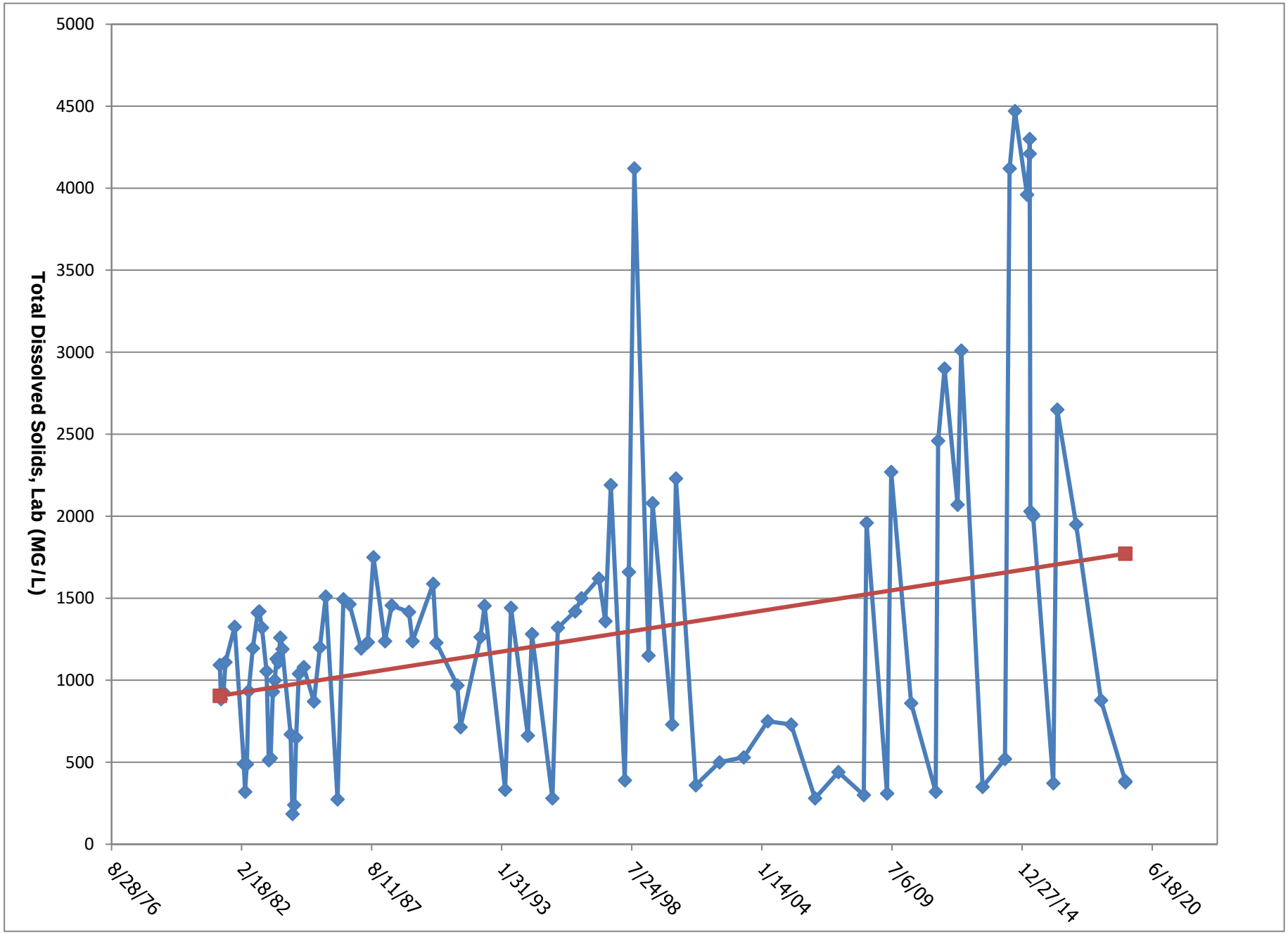
				loc_report_order	2	2		2		2	
				Location Code	SSLG5	SSLG5		SSLG5		SSLG5	
				sys_sample_code	3002_SSLG5_05022019A	3002_SSLG5_05022019B		3002_SSLG5_06112019		3002_SSLG5_07172019	
				Site ID							
				Date	5/2/2019	5/2/2019		6/11/2019		7/17/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM	Y	300.7	Y	300.7	Y	0	Y	0
1	Specific Conductivity, Field	N	UMHOS/CM	Y	516	Y	516				
2	pH, Field	N	S.U.	Y	8.48	Y	8.48				
3	Temperature, Field	N	DEG-C	Y	2	Y	2				
18	Iron	D	MG/L	Y	0.13						
18	Iron	PD	MG/L	Y	0.35						
18	Iron	TR	MG/L	Y	3.81	Y	3.85				
21	Manganese	D	MG/L			Y	0.0025				
22	Mercury	T	UG/L			N	1				
24	Ammonia Nitrogen	N	MG/L			N	0.2				
26	Nitrate Nitrogen	N	MG/L			Y	0.63				
27	Nitrite Nitrogen	N	MG/L			N	0.05				
30	Selenium	D	UG/L			Y	1.2				
30	Selenium	PD	UG/L			Y	1.3				
30	Selenium	TR	UG/L			Y	1.4				
34	Sulfates	N	MG/L			Y	124				
35	Sulfide	N	MG/L			N	0.1				
39	Total Dissolved Solids, Lab	N	MG/L	Y	386	Y	378				
41	Solids, Total Suspended	N	MG/L	Y	16	Y	15				

			loc_report_order	2	
			Location Code	SSLG5	
			sys_sample_code	3002_SSLG5_09032019	
			Site ID		
			Date	9/3/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	0
1	Specific Conductivity, Field	N	UMHOS/CM		
2	pH, Field	N	S.U.		
3	Temperature, Field	N	DEG-C		
18	Iron	D	MG/L		
18	Iron	PD	MG/L		
18	Iron	TR	MG/L		
21	Manganese	D	MG/L		
22	Mercury	T	UG/L		
24	Ammonia Nitrogen	N	MG/L		
26	Nitrate Nitrogen	N	MG/L		
27	Nitrite Nitrogen	N	MG/L		
30	Selenium	D	UG/L		
30	Selenium	PD	UG/L		
30	Selenium	TR	UG/L		
34	Sulfates	N	MG/L		
35	Sulfide	N	MG/L		
39	Total Dissolved Solids, Lab	N	MG/L		
41	Solids, Total Suspended	N	MG/L		



Period of Record Water Discharge Hydrograph

SSLG5



Period of Record TDS Trend Plot

SSLG5

				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_10012018	3002_NPDES2_10162018		3002_NPDES2_11052018	
				Site ID					
				Date	10/1/2018	10/16/2018		11/5/2018	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	5.3	Y	112	Y	34.4
2	pH, Field	N	S.U.		Y	8.52	Y	8.53	Y	8.56
3	Temperature, Field	N	C		Y	13.7	Y	12.2	Y	7.6
4	Specific Conductivity, Field	N	UMHOS/CM		Y	4448	Y	4320	Y	4387
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L		N	0.1			Y	0.04
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	0.8	Y	0.9	Y	0.8
7	Selenium	TR	UG/L		Y	1	Y	1	Y	0.7
8	Solids, Total Suspended	N	MG/L		N	5	N	5	N	5
9	Total Dissolved Solids, Lab	N	MG/L		Y	4400				
13	Copper	PD	UG/L		N	50				
19	Solids, Settleable	N	ML/L							

				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_11192018	3002_NPDES2_12032018		3002_NPDES2_12202018	
				Site ID					
				Date	11/19/2018	12/3/2018		12/20/2018	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	21.1	Y	24.2	Y	21.1
2	pH, Field	N	S.U.		Y	8.53	Y	8.22	Y	8.14
3	Temperature, Field	N	C		Y	5.7	Y	4.8	Y	1.3
4	Specific Conductivity, Field	N	UMHOS/CM		Y	4327	Y	4129	Y	2335
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L				Y	0.03		
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	0.7	Y	0.7	Y	1.8
7	Selenium	TR	UG/L		Y	0.8	Y	0.7	Y	0.7
8	Solids, Total Suspended	N	MG/L		N	5	N	5	N	5
9	Total Dissolved Solids, Lab	N	MG/L							
13	Copper	PD	UG/L							
19	Solids, Settleable	N	ML/L							

				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_01102019	3002_NPDES2_01242019		3002_NPDES2_02112019	
				Site ID					
				Date	1/10/2019	1/24/2019		2/11/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	27.4	Y	34.4	Y	23.7
2	pH, Field	N	S.U.	Y	7.99	Y	7.96	Y	7.98
3	Temperature, Field	N	C	Y	0.4	Y	1.1	Y	1.7
4	Specific Conductivity, Field	N	UMHOS/CM	Y	2309	Y	2290	Y	2297
5	Iron	D	MG/L						
5	Iron	PD	MG/L						
5	Iron	TR	MG/L	Y	0.04			Y	0.15
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	N	1	Y	0.7	Y	1.1
7	Selenium	TR	UG/L	Y	0.7	Y	0.7	Y	1.1
8	Solids, Total Suspended	N	MG/L	Y	5	Y	6	Y	8
9	Total Dissolved Solids, Lab	N	MG/L	Y	4370				
13	Copper	PD	UG/L	N	2				
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5	N	0.5

				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_02222019	3002_NPDES2_03112019		3002_NPDES2_03262019	
				Site ID					
				Date	2/22/2019	3/11/2019		3/26/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	22.6	Y	30.8	Y	34.3
2	pH, Field	N	S.U.		Y	7.89	Y	7.86	Y	7.84
3	Temperature, Field	N	C		Y	1.3	Y	2.1	Y	2.2
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2276	Y	2287	Y	2263
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L				Y	0.1		
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	1.2	Y	1.3	Y	2
7	Selenium	TR	UG/L		Y	1	Y	0.9	Y	1.5
8	Solids, Total Suspended	N	MG/L		N	20	N	20	N	20
9	Total Dissolved Solids, Lab	N	MG/L							
13	Copper	PD	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

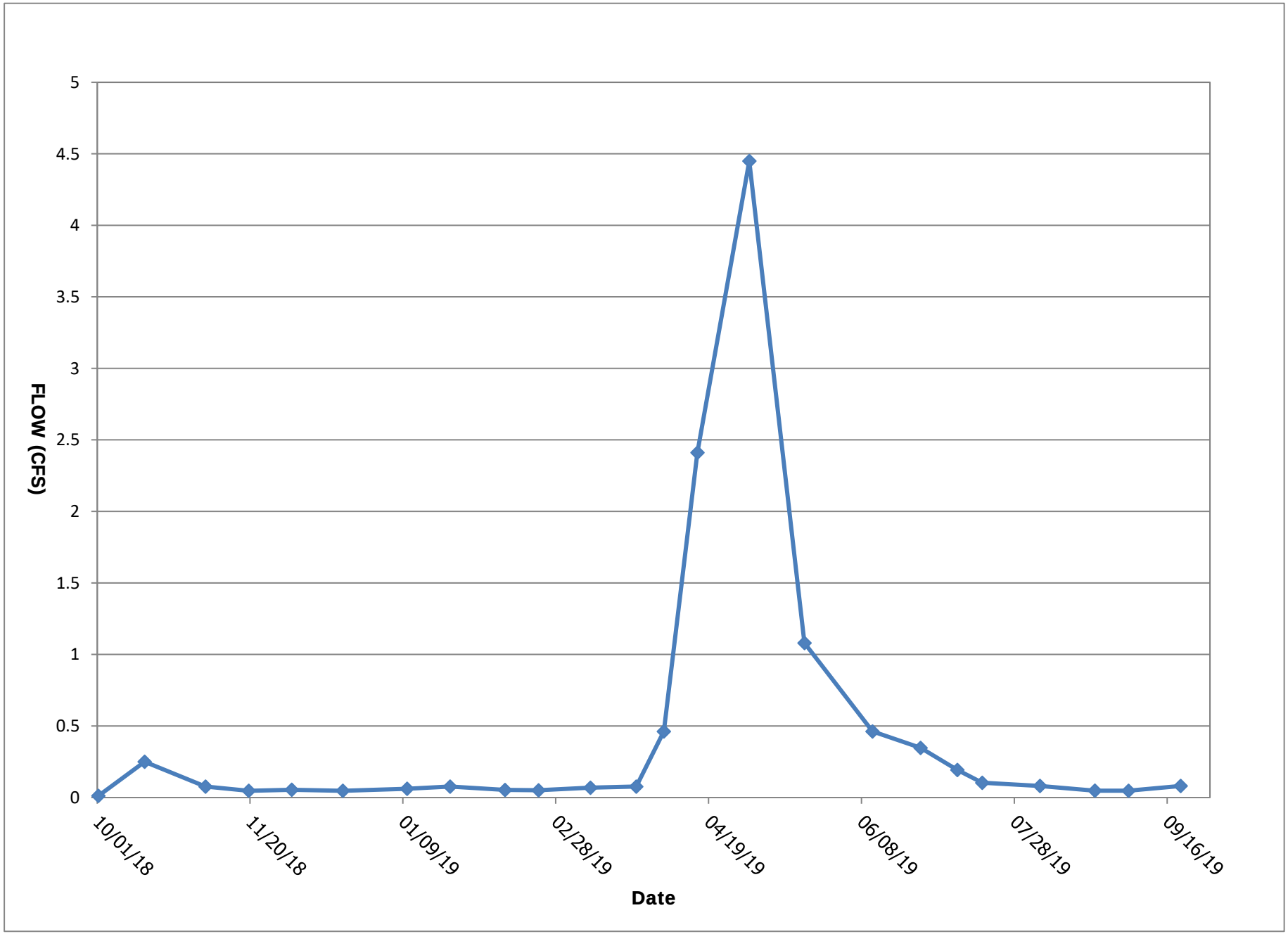
			loc_report_order	1		1		1	
			Location Code	NPDES2		NPDES2		NPDES2	
			sys_sample_code	3002_NPDES2_04042019		3002_NPDES2_04152019		3002_NPDES2_05022019	
			Site ID						
			Date	4/4/2019		4/15/2019		5/2/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	207.3	Y	1082	Y	1997
2	pH, Field	N	S.U.	Y	7.81	Y	8.01	Y	8.22
3	Temperature, Field	N	C	Y	3.1	Y	6.2	Y	7
4	Specific Conductivity, Field	N	UMHOS/CM	Y	2247	Y	3168	Y	2897
5	Iron	D	MG/L						
5	Iron	PD	MG/L						
5	Iron	TR	MG/L	Y	0.12			Y	0.41
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	Y	3.3	Y	3.5	Y	4.5
7	Selenium	TR	UG/L	Y	2.1	Y	3.2	Y	4.4
8	Solids, Total Suspended	N	MG/L	Y	5	N	20	Y	8
9	Total Dissolved Solids, Lab	N	MG/L	Y	3000				
13	Copper	PD	UG/L	N	50				
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5	N	0.5

				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_05022019A	3002_NPDES2_05202019		3002_NPDES2_06112019	
				Site ID					
				Date	5/2/2019	5/20/2019		6/11/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	1997	Y	484.7	Y	207.3
2	pH, Field	N	S.U.	Y	8.22	Y	8.2	Y	8.17
3	Temperature, Field	N	C	Y	7	Y	10.9	Y	18.9
4	Specific Conductivity, Field	N	UMHOS/CM	Y	2897	Y	3793	Y	3847
5	Iron	D	MG/L	N	0.2				
5	Iron	PD	MG/L	Y	0.12				
5	Iron	TR	MG/L	Y	0.42			Y	0.06
7	Selenium	D	UG/L	Y	3.8				
7	Selenium	PD	UG/L			Y	4.2	Y	3.1
7	Selenium	TR	UG/L	Y	4.1	Y	4.2	Y	3.2
8	Solids, Total Suspended	N	MG/L	Y	7	Y	5	Y	9
9	Total Dissolved Solids, Lab	N	MG/L	Y	2820				
13	Copper	PD	UG/L						
19	Solids, Settleable	N	ML/L			N	0.5	N	0.5

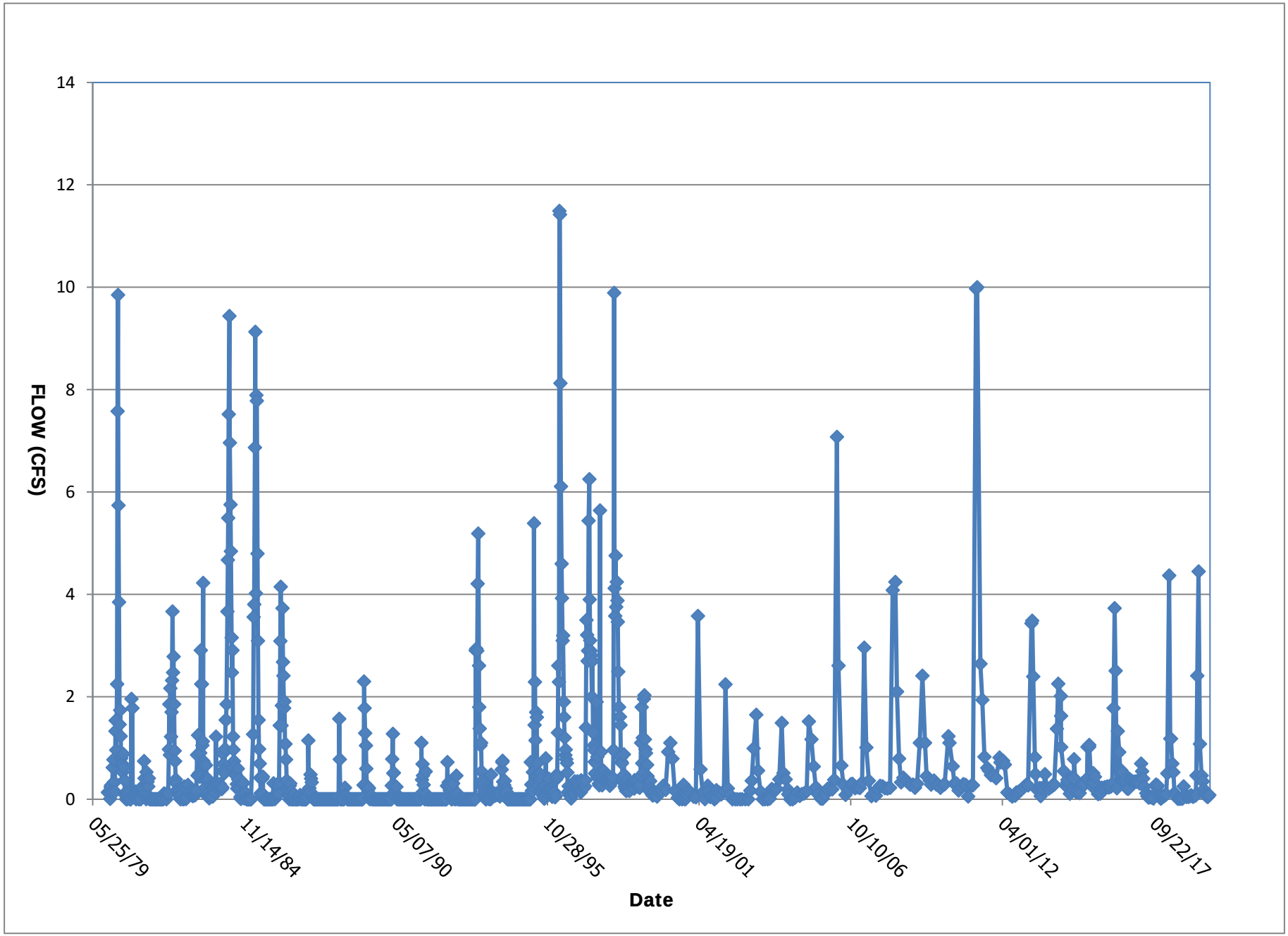
				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_06272019	3002_NPDES2_07092019		3002_NPDES2_07172019	
				Site ID					
				Date	6/27/2019	7/9/2019		7/17/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	155.7	Y	86.6	Y	46.3
2	pH, Field	N	S.U.		Y	8.26	Y	8.33	Y	8.31
3	Temperature, Field	N	C		Y	17.5	Y	19.8	Y	25.9
4	Specific Conductivity, Field	N	UMHOS/CM		Y	3409	Y	3497	Y	3632
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L				Y	0.08		
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	2.5	Y	2.3	Y	2.1
7	Selenium	TR	UG/L		Y	2.3	Y	2	Y	2.1
8	Solids, Total Suspended	N	MG/L		Y	10	Y	5	N	20
9	Total Dissolved Solids, Lab	N	MG/L				Y	3370		
13	Copper	PD	UG/L				N	100		
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	1	1		1	
				Location Code	NPDES2	NPDES2		NPDES2	
				sys_sample_code	3002_NPDES2_07172019A	3002_NPDES2_08052019		3002_NPDES2_08232019	
				Site ID					
				Date	7/17/2019	8/5/2019		8/23/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	46.3	Y	36.3	Y	21.4
2	pH, Field	N	S.U.		Y	8.31	Y	8.45	Y	8.26
3	Temperature, Field	N	C		Y	25.9	Y	21.5	Y	18.5
4	Specific Conductivity, Field	N	UMHOS/CM		Y	3632	Y	3853	Y	4000
5	Iron	D	MG/L		N	0.2				
5	Iron	PD	MG/L		N	0.2				
5	Iron	TR	MG/L		N	0.2	Y	0.05		
7	Selenium	D	UG/L		Y	2				
7	Selenium	PD	UG/L				Y	1.9	Y	1.5
7	Selenium	TR	UG/L		Y	1.9	Y	2	Y	1.6
8	Solids, Total Suspended	N	MG/L		N	20	Y	8	Y	6
9	Total Dissolved Solids, Lab	N	MG/L		Y	3480				
13	Copper	PD	UG/L							
19	Solids, Settleable	N	ML/L				N	0.5	N	0.5

				loc_report_order	1	1	
				Location Code	NPDES2	NPDES2	
				sys_sample_code	3002_NPDES2_09032019	3002_NPDES2_09202019	
				Site ID			
				Date	9/3/2019	9/20/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	21.2	Y	36.3
2	pH, Field	N	S.U.	Y	8.42	Y	8.35
3	Temperature, Field	N	C	Y	17.5	Y	18.3
4	Specific Conductivity, Field	N	UMHOS/CM	Y	4050	Y	4244
5	Iron	D	MG/L				
5	Iron	PD	MG/L				
5	Iron	TR	MG/L	N	0.08		
7	Selenium	D	UG/L				
7	Selenium	PD	UG/L	Y	1.6	Y	1.2
7	Selenium	TR	UG/L	Y	1.7	Y	1.2
8	Solids, Total Suspended	N	MG/L	Y	7	Y	5
9	Total Dissolved Solids, Lab	N	MG/L				
13	Copper	PD	UG/L				
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5

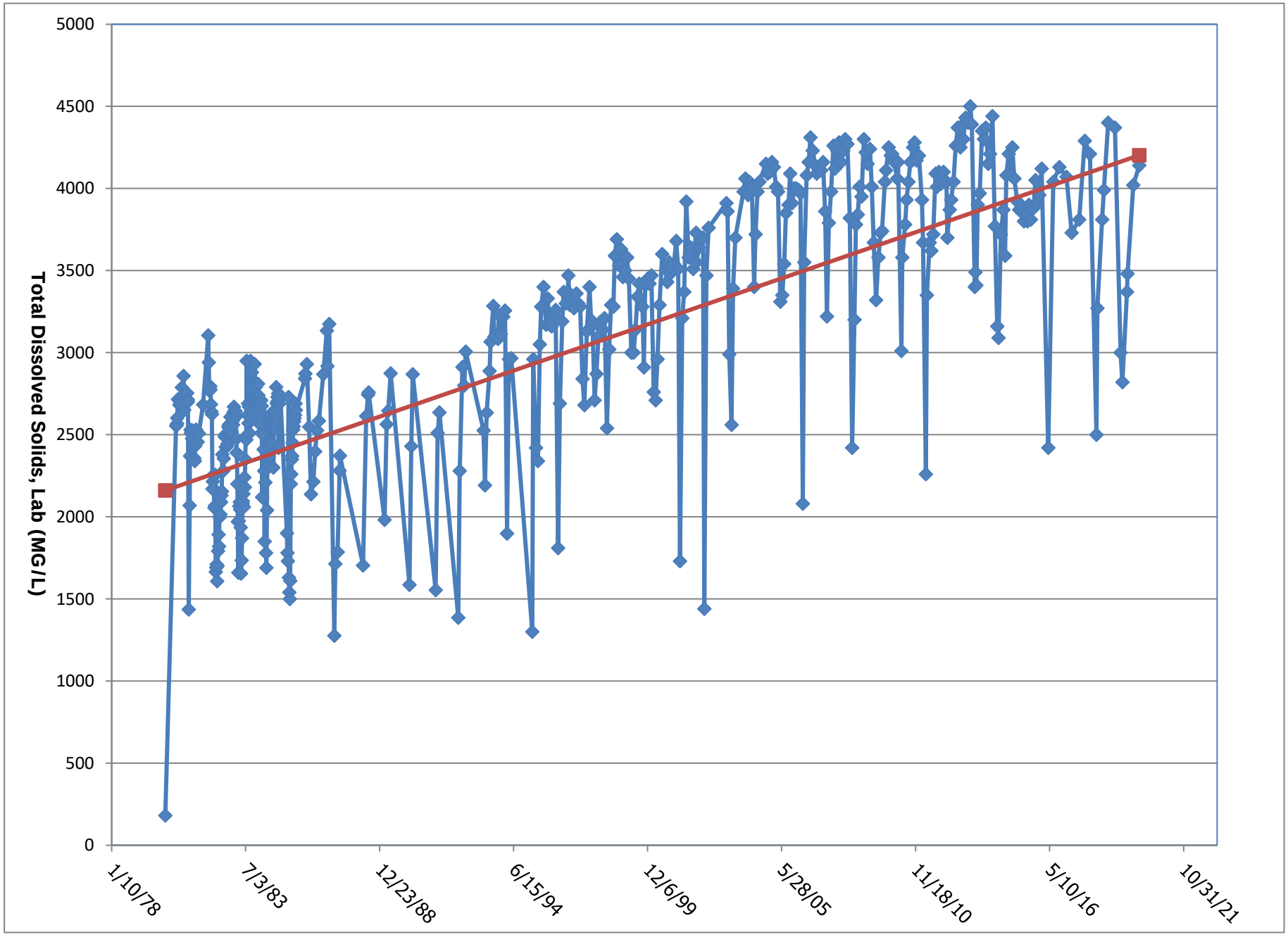


Water Year Water Discharge Hydrograph
NPDES2



Period of Record Water Discharge Hydrograph

NPDES2



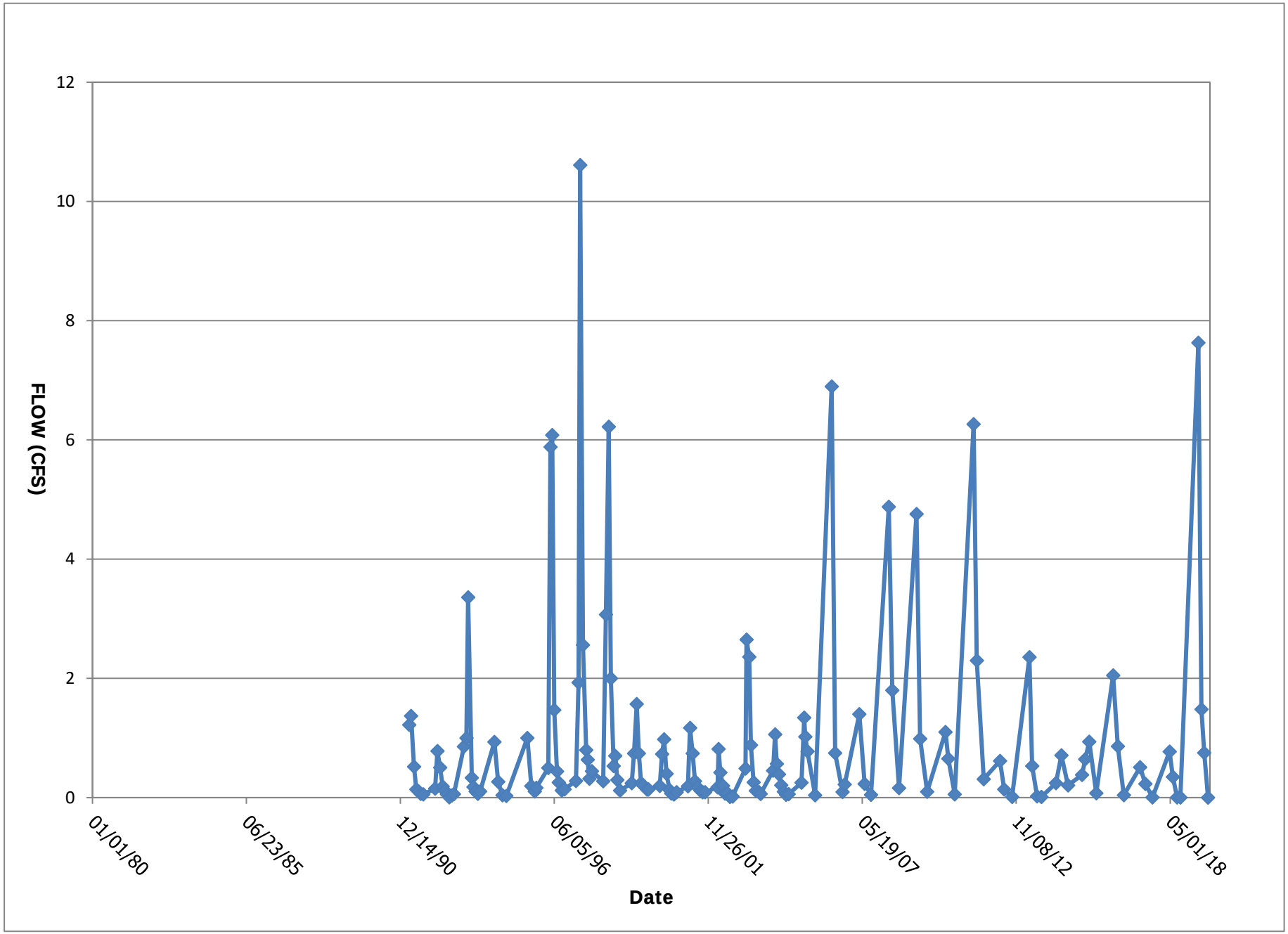
Period of Record TDS Trend Plot

NPDES2

					loc_report_order	3						
					Location Code	YSGF5						
					Location Name							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	4/9/1991	9/4/2019	157	397.24	124	4762	0	717.36
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	4/9/1991	7/17/2019	157	1149	1170	3360	1.17	277.4
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	4/9/1991	7/17/2019	158	8.3	8.33	8.74	7.61	0.177
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	4/9/1991	9/11/2018	155	11.5	11.6	24.5	1	5.6
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	5/2/2019	7/17/2019	3	12.8	11.3	17.9	9.1	4.58
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	5/2/1991	9/14/2015	75	269	272	362	164	53.9
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	5/2/1991	9/14/2015	72	1.1	1	3	0.5	0.44
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	5/2/1991	9/14/2015	75	315	320	426	195	62.6
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	5/2/1991	9/14/2015	72	94	80	1000	20	110
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	4/25/2005	9/14/2015	8	0.1	0.1	0.1	0.1	1E-17
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	4/25/2005	5/5/2011	19	0.1	0.1	0.1	0.1	3E-17
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	5/2/1991	6/7/2005	49	0.31	0.1	1.4	0.1	0.29
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	5/2/1991	4/5/2017	76	136	139	176	95	17.8
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	5/2/1991	9/14/2015	75	7.08	5	35	0	6.93
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	5/2/1991	9/14/2015	75	7.4	7	10	4	1.3
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	4/25/2005	9/14/2015	8	0.4	0.5	0.5	0.1	0.2
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	4/25/2005	5/5/2011	19	0.3	0.3	0.7	0.1	0.2
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	5/2/1991	6/7/2005	49	9.8	10	20	0.4	2.3
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	5/2/1991	9/14/2015	72	1119	1135	1370	672	136.4
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	4/25/2005	9/14/2015	8	1.3	0.5	4	0.5	1.4
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	4/25/2005	5/5/2011	19	1.7	1.8	3.3	0.5	0.8
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	5/2/1991	6/7/2005	49	31.9	10	1040	0.7	147
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	5/2/1991	4/5/2017	73	627.71	635	822	434	83.039
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	5/2/1991	7/17/2019	60	0.064	0.02	0.55	0.01	0.12
18	3002 - AHR SW & SPR Long	Iron	PD	MG/L	4/29/2013	7/17/2019	12	0.463	0.415	1.13	0.11	0.33
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	5/2/1991	5/5/2011	69	1.5	1.34	9.9	0.15	1.39
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	9/14/2005	7/17/2019	53	1.65	1.46	5.77	0.44	1.1
18	3002 - AHR SW & SPR Long	Iron	TR10UM	MG/L	4/29/2013	4/29/2013	1	0.25	0.25	0.25	0.25	0
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	4/25/2005	9/14/2015	8	0.1	0.1	0.1	0.1	1E-17
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	4/25/2005	5/5/2011	19	1.1	0.8	3.1	0.1	0.78
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	5/2/1991	6/7/2005	49	1.4	1	5	0.2	1.2
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	5/2/1991	4/5/2017	76	70.7	70.9	92.8	48	9.91

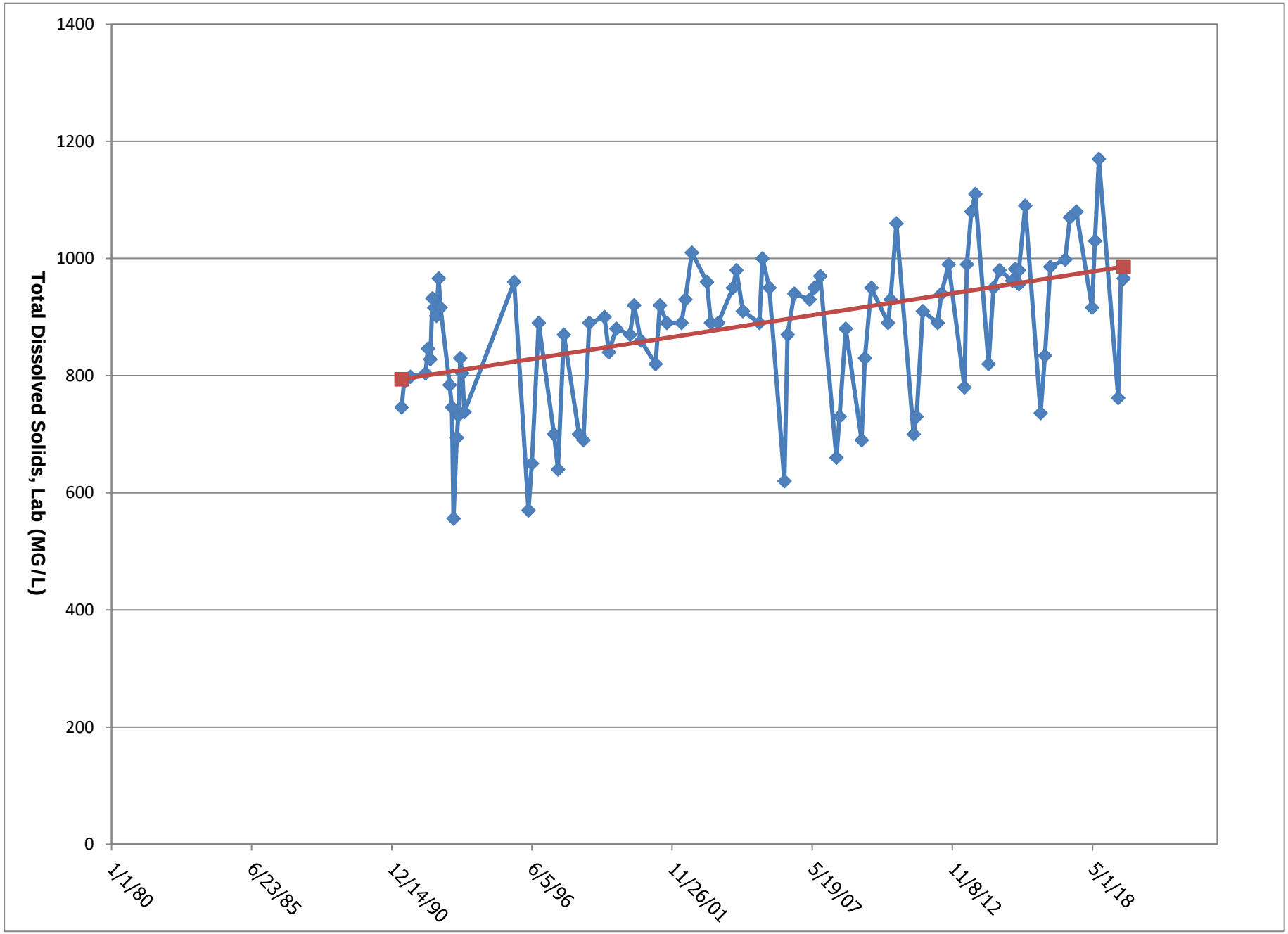
				loc_report_order Location Code Location Name	3 YSGF5							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	5/2/1991	6/11/2019	62	0.134	0.13	0.39	0.01	0.0924
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	4/25/2005	6/5/2018	28	0.18	0.12	0.46	0.04	0.13
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	5/2/1991	6/7/2005	49	0.21	0.19	0.67	0.04	0.13
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	6/1/2004	6/11/2019	43	0.2	0.2	1	0.2	0.2
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	5/2/1991	4/12/2004	45	0.2	0.2	0.5	0.1	0.07
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	4/25/2005	9/14/2015	8	9	8	10	8	0.9
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	4/25/2005	5/5/2011	19	10	10	20	10	2
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	5/2/1991	6/7/2005	49	10	10	40	10	6
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	5/2/1991	6/11/2019	88	0.08	0.05	0.7	0.04	0.088
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	5/2/1991	6/11/2019	88	0.12	0.07	0.93	0.02	0.15
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	5/2/1991	6/11/2019	88	0.01	0.01	0.1	0.01	0.01
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	5/2/1991	9/14/2015	72	8.3	8.3	8.8	7.7	0.2
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	5/2/1991	9/14/2015	75	5.4	5.1	8.1	3.6	0.95
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	4/25/2005	6/11/2019	28	0.67	0.6	2	0.1	0.43
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	4/25/2005	6/11/2019	33	0.61	0.6	1.7	0.1	0.42
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	5/2/1991	6/11/2019	69	1	1	10	0.2	1
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	4/25/2005	9/14/2015	8	0.06	0.05	0.1	0.05	0.02
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	4/25/2005	5/5/2011	19	0.05	0.05	0.05	0.05	1E-17
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	5/2/1991	6/7/2005	49	0.5	0.5	5	0.05	0.7
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	5/2/1991	9/14/2015	75	31.4	31.3	46	18.9	5.62
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	5/2/1991	9/14/2015	72	0.55	0.53	0.77	0.38	0.076
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	5/2/1991	6/11/2019	91	413	421	567	270	62.7
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	5/2/1991	6/11/2019	87	0.04	0.02	0.2	0.01	0.039
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	4/25/2005	9/14/2015	8	0.01	0.01	0.01	0.01	0
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	4/25/2005	5/5/2011	19	0.01	0.01	0.01	0.01	2E-18
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	5/2/1991	6/7/2005	49	0.041	0.01	0.63	0.01	0.11
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	5/2/1991	9/14/2015	75	-0.46	-0.83	5.7	-5.6	2.27
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	5/2/1991	7/17/2019	97	879	890	1170	556	123
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	5/2/1991	9/14/2015	72	821.68	842	1100	580	106.89
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	5/2/1991	7/17/2019	97	45.8	33	296	2	42.4

				loc_report_order	3	3		3		3	
				Location Code	YSGF5	YSGF5		YSGF5		YSGF5	
				sys_sample_code	3002_YSGF5_05022019	3002_YSGF5_06112019		3002_YSGF5_07172019		3002_YSGF5_09042019	
				Site ID							
				Date	5/2/2019	6/11/2019		7/17/2019		9/4/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM		Y	3424	Y	664.8	Y	337	Y	0
1	Specific Conductivity, Field	N	UMHOS/CM		Y	1075	Y	1337	Y	1347		
2	pH, Field	N	S.U.		Y	8.28	Y	8.31	Y	8.21		
3	Temperature, Field	N	DEG-C		Y	9.1	Y	11.3	Y	17.9		
18	Iron	D	MG/L		N	0.08			Y	0.08		
18	Iron	PD	MG/L		Y	0.17			Y	0.24		
18	Iron	TR	MG/L		Y	0.77	Y	0.57	Y	0.44		
21	Manganese	D	MG/L		Y	0.041	Y	0.0538				
22	Mercury	T	UG/L		N	1	N	1				
24	Ammonia Nitrogen	N	MG/L		N	0.2	N	0.2				
26	Nitrate Nitrogen	N	MG/L		Y	0.07	N	0.05				
27	Nitrite Nitrogen	N	MG/L		N	0.05	N	0.1				
30	Selenium	D	UG/L		Y	0.7	Y	0.5				
30	Selenium	PD	UG/L		Y	0.8	Y	0.4				
30	Selenium	TR	UG/L		Y	0.9	Y	0.4				
34	Sulfates	N	MG/L		Y	337	Y	467				
35	Sulfide	N	MG/L		N	0.1	N	0.1				
39	Total Dissolved Solids, Lab	N	MG/L		Y	762	Y	984	Y	966		
41	Solids, Total Suspended	N	MG/L		Y	15	Y	20	Y	14		



Period of Record Water Discharge Hydrograph

YSGF5



Period of Record TDS Trend Plot

YSGF5

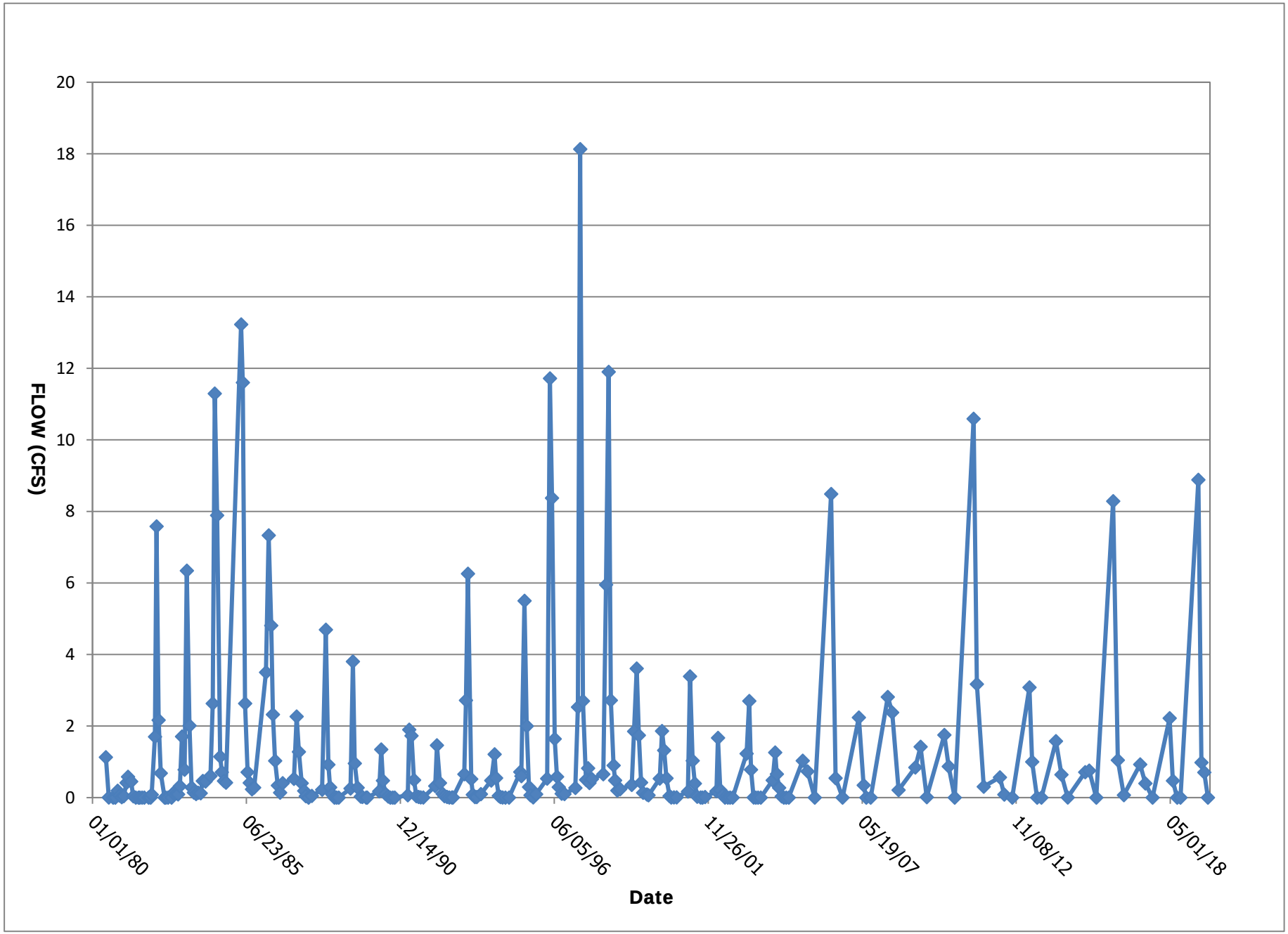
				loc_report_order Location Code Location Name	4 SSG1							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	6/24/1980	9/3/2019	259	552.763	137	8136	0	1139.47
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	6/24/1980	7/17/2019	214	944.5	1000	2520	0.98	303.6
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	5/18/1981	7/17/2019	207	8.33	8.37	8.9	7.2	0.255
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	11/18/1982	6/5/2018	198	12.7	13.4	26.5	0.2	7.06
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	5/2/2019	7/17/2019	3	15.6	21.9	21.9	2.9	11
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/24/1980	6/15/2015	109	259	262	388	135	49.9
6	3002 - AHR SW & SPR Long	Arsenic	D	UG/L	3/20/1981	5/11/1994	4	1	1	1	1	0
6	3002 - AHR SW & SPR Long	Arsenic	T	UG/L	6/24/1980	4/12/1984	10	2	2	2	1	0.5
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/12/1987	6/15/2015	65	1.5	1	4.3	0.6	0.72
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	7/13/1983	4/29/2013	73	299	304	449	165	54.1
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	11/24/1980	6/15/2015	69	84.3	70	446	20	64.3
8	3002 - AHR SW & SPR Long	Boron	T	UG/L	6/24/1980	4/12/1984	10	151	134	284	0	88.8
8	3002 - AHR SW & SPR Long	Boron	TR	UG/L	10/21/1987	10/21/1987	1	50	50	50	50	0
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	3/20/1981	6/15/2015	11	2	0.2	5	0.1	2
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	4/5/2005	5/5/2011	15	0.1	0.1	0.1	0.1	1E-17
9	3002 - AHR SW & SPR Long	Cadmium	T	UG/L	6/24/1980	4/12/1984	10	4	4	8	0.2	3
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	6/12/1987	6/8/2005	47	1	0.5	5	0.1	2
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	11/24/1980	6/15/2015	71	129.5	130	319	79	29.9
10	3002 - AHR SW & SPR Long	Calcium	T	MG/L	6/24/1980	3/3/1987	19	92.9	88	120	60	15.1
10	3002 - AHR SW & SPR Long	Calcium	TR	MG/L	6/12/1987	6/12/1987	1	124	124	124	124	0
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	7/13/1983	4/29/2013	73	5.1	2	29	0	6
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/24/1980	6/15/2015	90	8.82	8	29	4	3.52
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	3/20/1981	6/15/2015	11	6	1	20	0.1	8
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	4/5/2005	5/5/2011	15	0.48	0.2	1.9	0.1	0.59
13	3002 - AHR SW & SPR Long	Chromium	T	UG/L	6/24/1980	8/1/1980	2	20	20	20	20	0
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	6/12/1987	6/8/2005	47	9.9	10	20	1.8	2.2
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/24/1980	6/15/2015	109	986.2	943	2520	560	244
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	3/20/1981	6/15/2015	11	6	1	30	0.5	9
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	4/5/2005	5/5/2011	15	2.3	2	4.5	1.3	0.95
15	3002 - AHR SW & SPR Long	Copper	T	UG/L	6/24/1980	4/12/1984	10	20	20	40	1	10
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	6/12/1987	6/8/2005	47	12	10	100	2	13
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/24/1980	6/15/2015	86	533.92	557.5	766	260	106.71

					loc_report_order Location Code Location Name		4 SSG1					
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	6/24/1980	7/17/2019	95	0.044	0.02	0.52	0.01	0.075
18	3002 - AHR SW & SPR Long	Iron	PD	MG/L	4/8/2014	7/17/2019	5	0.23	0.25	0.45	0.05	0.16
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	6/24/1980	5/5/2011	103	1.58	0.78	13.8	0.02	2.18
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	4/10/2006	7/17/2019	36	2.02	1.5	8.36	0.08	2.06
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	11/24/1980	6/15/2015	14	10	10	40	0.1	10
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	4/5/2005	5/5/2011	15	1.4	1	4.1	0.3	1.2
19	3002 - AHR SW & SPR Long	Lead	T	UG/L	6/24/1980	4/12/1984	10	20	20	30	20	5
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	6/12/1987	6/8/2005	47	4.6	1	20	0.3	7.1
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	11/24/1980	6/15/2015	71	62.6	61.7	170	40.2	16.1
20	3002 - AHR SW & SPR Long	Magnesium	T	MG/L	6/24/1980	6/12/1987	20	43	42	70	24	8.7
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	11/24/1980	6/11/2019	95	0.13	0.12	0.42	0.0073	0.0835
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	4/5/2005	6/5/2018	24	0.2	0.15	0.61	0.01	0.18
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	6/24/1980	6/8/2005	81	0.18	0.17	0.5	0.02	0.1
21	3002 - AHR SW & SPR Long	Manganese	TR	MG/L	6/12/1987	6/12/1987	1	0.17	0.17	0.17	0.17	0
22	3002 - AHR SW & SPR Long	Mercury	D	UG/L	3/20/1981	5/11/1994	4	0.1	0.1	0.2	0.02	0.1
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	6/24/1980	6/11/2019	46	0.3	0.2	1	0.02	0.3
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	6/12/1987	4/13/2004	43	0.2	0.2	0.2	0.1	0.04
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	11/24/1980	6/15/2015	14	20	20	40	8	9
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	4/5/2005	5/5/2011	15	10	10	20	10	3
23	3002 - AHR SW & SPR Long	Nickel	T	UG/L	6/24/1980	8/1/1980	2	20	20	20	20	0
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	6/12/1987	6/8/2005	47	20	10	50	10	7
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/24/1980	6/11/2019	101	0.077	0.06	0.54	0.02	0.062
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/24/1980	6/11/2019	104	0.285	0.08	3.9	0.01	0.554
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	10/21/1987	6/11/2019	79	0.01	0.01	0.06	0.01	0.008
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/24/1980	6/15/2015	109	8.2	8.3	8.8	4.9	0.42
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	11/24/1980	6/15/2015	71	5.08	5	14.3	3	1.49
29	3002 - AHR SW & SPR Long	Potassium	T	MG/L	6/24/1980	3/3/1987	19	4.2	4	6	3	0.92
29	3002 - AHR SW & SPR Long	Potassium	TR	MG/L	6/12/1987	6/12/1987	1	5	5	5	5	0
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	11/24/1980	6/11/2019	28	0.78	0.8	1.1	0.3	0.25
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	4/5/2005	6/11/2019	26	0.62	0.6	1.1	0.1	0.26
30	3002 - AHR SW & SPR Long	Selenium	T	UG/L	6/24/1980	4/12/1984	10	1	1	2	1	0.5
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	6/12/1987	6/11/2019	63	1	1	4	0.4	0.5

					loc_report_order Location Code Location Name		4 SSG1					
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	6/12/1987	6/15/2015	9	2	0.05	10	0.05	4
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	4/5/2005	5/5/2011	15	0.05	0.05	0.05	0.05	7E-18
31	3002 - AHR SW & SPR Long	Silver	T	UG/L	6/24/1980	8/1/1980	2	3	3	3	2	0.7
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	6/12/1987	6/8/2005	47	2.1	0.5	10	0.05	3.6
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	11/24/1980	6/15/2015	71	39.5	37.6	139	14	14.5
32	3002 - AHR SW & SPR Long	Sodium	T	MG/L	6/24/1980	3/3/1987	19	31	30	55	20	8.3
32	3002 - AHR SW & SPR Long	Sodium	TR	MG/L	6/12/1987	6/12/1987	1	26	26	26	26	0
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	7/13/1983	6/15/2015	78	0.68	0.66	0.95	0.25	0.13
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/24/1980	6/11/2019	105	339.7	340	1173	126	132.7
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/12/1987	6/11/2019	79	0.0814	0.02	1.34	0.01	0.171
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	11/24/1980	6/15/2015	14	0.01	0.01	0.03	0.01	0.006
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	4/5/2005	5/5/2011	15	0.01	0.01	0.01	0.01	0
37	3002 - AHR SW & SPR Long	Zinc	T	MG/L	6/24/1980	4/12/1984	10	0.02	0.02	0.05	0.01	0.01
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	6/12/1987	6/8/2005	47	0.018	0.01	0.11	0.01	0.022
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	7/13/1983	6/15/2015	78	0.699	0.89	7.3	-5	2.22
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	6/24/1980	7/17/2019	126	733.2	730	2402	355	226.4
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	7/13/1983	6/15/2015	73	741.57	753	1010	425	137.8
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	6/24/1980	7/17/2019	126	49.6	24	852	1	87.7

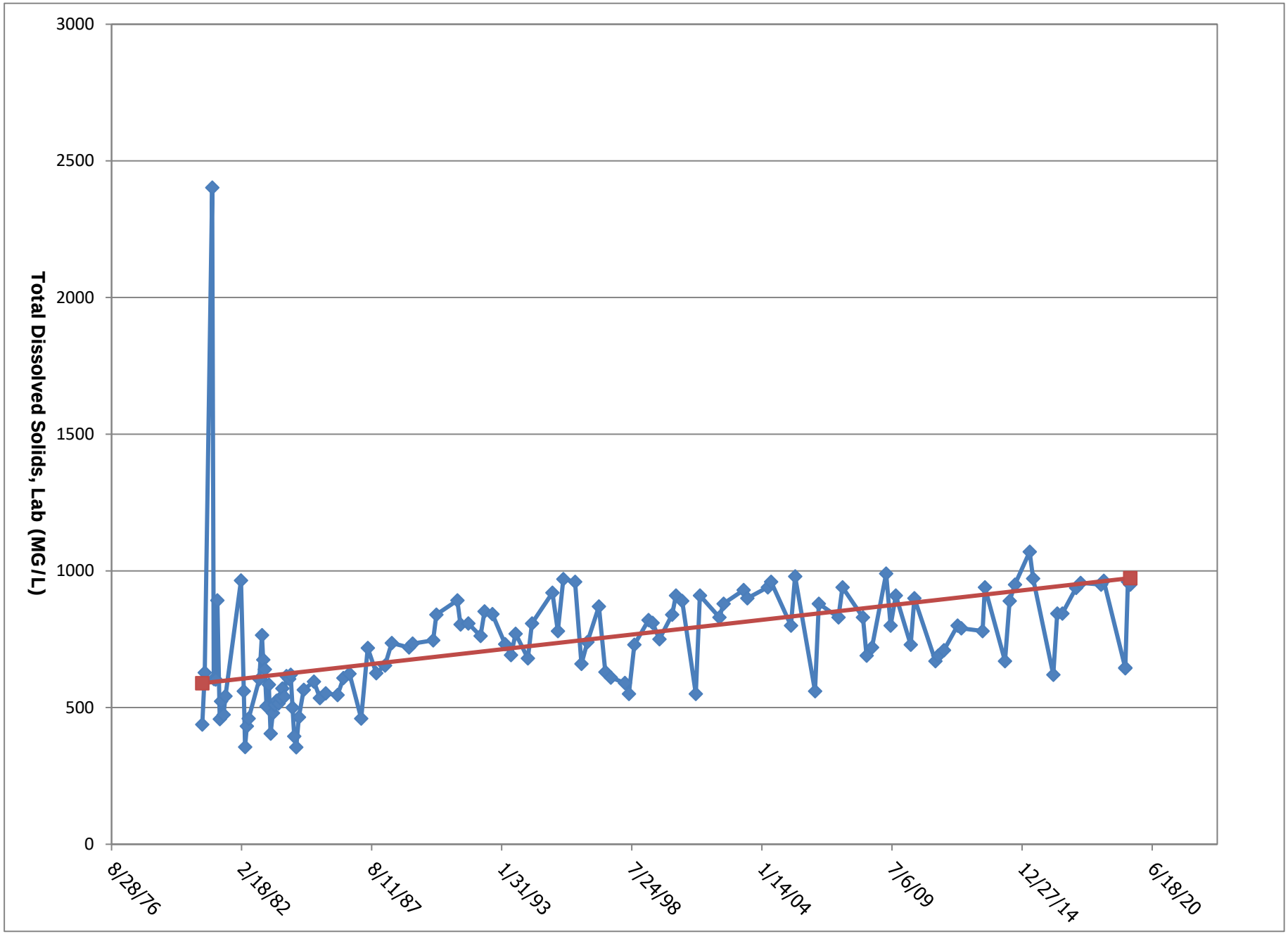
				loc_report_order	4	4		4		4	
				Location Code	SSG1	SSG1		SSG1		SSG1	
				sys_sample_code	3002_SSG1_05022019A	3002_SSG1_05022019B		3002_SSG1_06112019		3002_SSG1_07172019	
				Site ID							
				Date	5/2/2019	5/2/2019		6/11/2019		7/17/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM	Y	3988	Y	3988	Y	440.7	Y	316
1	Specific Conductivity, Field	N	UMHOS/CM	Y	877	Y	877	Y	1309	Y	1330
2	pH, Field	N	S.U.	Y	8.27	Y	8.27	Y	8.48	Y	8.38
3	Temperature, Field	N	DEG-C	Y	2.9	Y	2.9	Y	21.9	Y	21.9
18	Iron	D	MG/L	N	0.08					Y	0.06
18	Iron	PD	MG/L	Y	0.45					Y	0.25
18	Iron	TR	MG/L	Y	1.78	Y	1.76	Y	0.36	Y	0.62
21	Manganese	D	MG/L			Y	0.0073	Y	0.0367		
22	Mercury	T	UG/L			N	1	N	1		
24	Ammonia Nitrogen	N	MG/L			N	0.2	N	0.2		
26	Nitrate Nitrogen	N	MG/L			Y	0.13	N	0.1		
27	Nitrite Nitrogen	N	MG/L			Y	0.02	N	0.05		
30	Selenium	D	UG/L			Y	0.8	Y	0.6		
30	Selenium	PD	UG/L			Y	1	Y	0.5		
30	Selenium	TR	UG/L			Y	0.8	Y	0.5		
34	Sulfates	N	MG/L			Y	306	Y	453		
35	Sulfide	N	MG/L			N	0.1	N	0.1		
39	Total Dissolved Solids, Lab	N	MG/L	Y	644	Y	646	Y	960	Y	950
41	Solids, Total Suspended	N	MG/L	Y	30	Y	29	Y	14	Y	18

			loc_report_order	4	
			Location Code	SSG1	
			sys_sample_code	3002_SSG1_09032019	
			Site ID		
			Date	9/3/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	0
1	Specific Conductivity, Field	N	UMHOS/CM		
2	pH, Field	N	S.U.		
3	Temperature, Field	N	DEG-C		
18	Iron	D	MG/L		
18	Iron	PD	MG/L		
18	Iron	TR	MG/L		
21	Manganese	D	MG/L		
22	Mercury	T	UG/L		
24	Ammonia Nitrogen	N	MG/L		
26	Nitrate Nitrogen	N	MG/L		
27	Nitrite Nitrogen	N	MG/L		
30	Selenium	D	UG/L		
30	Selenium	PD	UG/L		
30	Selenium	TR	UG/L		
34	Sulfates	N	MG/L		
35	Sulfide	N	MG/L		
39	Total Dissolved Solids, Lab	N	MG/L		
41	Solids, Total Suspended	N	MG/L		



Period of Record Water Discharge Hydrograph

SSG1



Period of Record TDS Trend Plot

SSG1

			loc_report_order	2		2		2	
			Location Code	NPDES3		NPDES3		NPDES3	
			sys_sample_code	3002_NPDES3_10012018		3002_NPDES3_10162018		3002_NPDES3_11052018	
			Site ID						
			Date	10/1/2018		10/16/2018		11/5/2018	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	1.1	Y	1.3
2	pH, Field	N	S.U.			Y	8.8	Y	8.53
3	Temperature, Field	N	C			Y	8.64	Y	5.4
4	Specific Conductivity, Field	N	UMHOS/CM			Y	2631	Y	2597
5	Iron	D	MG/L						
5	Iron	PD	MG/L						
5	Iron	TR	MG/L			Y	0.19	Y	0.18
6	Manganese	PD	MG/L						
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L			Y	0.8	Y	1.2
7	Selenium	TR	UG/L			Y	1	Y	0.7
8	Solids, Total Suspended	N	MG/L			Y	7	N	5
9	Total Dissolved Solids, Lab	N	MG/L						
19	Solids, Settleable	N	ML/L						

				loc_report_order	2	2		2	
				Location Code	NPDES3	NPDES3		NPDES3	
				sys_sample_code	3002_NPDES3_11192018	3002_NPDES3_12032018		3002_NPDES3_12202018	
				Site ID					
				Date	11/19/2018	12/3/2018		12/20/2018	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	1	Y	1.1	Y	1.1
2	pH, Field	N	S.U.		Y	8.59	Y	7.32	Y	7.56
3	Temperature, Field	N	C		Y	5.1	Y	4.4	Y	4.1
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2670	Y	2419	Y	2244
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L		Y	0.19	Y	0.24	Y	0.23
6	Manganese	PD	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	0.6	Y	0.4	Y	0.4
7	Selenium	TR	UG/L		Y	0.7	Y	0.5	Y	0.5
8	Solids, Total Suspended	N	MG/L		N	5	Y	12	N	5
9	Total Dissolved Solids, Lab	N	MG/L							
19	Solids, Settleable	N	ML/L							

				loc_report_order	2	2	2	2	2
				Location Code	NPDES3	NPDES3	NPDES3	NPDES3	NPDES3
				sys_sample_code	3002_NPDES3_01102019	3002_NPDES3_01242019	3002_NPDES3_02112019		
				Site ID					
				Date	1/10/2019		1/24/2019		2/11/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	1.1	Y	1.2	Y	1.2
2	pH, Field	N	S.U.		Y	7.38	Y	7.47	Y	6.96
3	Temperature, Field	N	C		Y	3.2	Y	2.7	Y	3.9
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2118	Y	2234	Y	2120
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L		Y	0.23	Y	0.29	Y	0.35
6	Manganese	PD	MG/L		Y	0.956				
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	0.5	Y	0.9	Y	0.7
7	Selenium	TR	UG/L		Y	0.6	Y	0.8	Y	0.7
8	Solids, Total Suspended	N	MG/L		N	20	N	20	Y	5
9	Total Dissolved Solids, Lab	N	MG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	2	2		2	
				Location Code	NPDES3	NPDES3		NPDES3	
				sys_sample_code	3002_NPDES3_02222019	3002_NPDES3_03112019		3002_NPDES3_03262019	
				Site ID					
				Date	2/22/2019	3/11/2019		3/26/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	1.1	Y	1.1	Y	1.2
2	pH, Field	N	S.U.		Y	7.43	Y	7.03	Y	7.14
3	Temperature, Field	N	C		Y	2.8	Y	3.7	Y	3.6
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2236	Y	2215	Y	2221
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L		Y	0.64	Y	0.37	Y	0.46
6	Manganese	PD	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	0.7	Y	1	Y	1.3
7	Selenium	TR	UG/L		Y	0.7	Y	0.9	Y	1.1
8	Solids, Total Suspended	N	MG/L		N	20	Y	7	N	20
9	Total Dissolved Solids, Lab	N	MG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

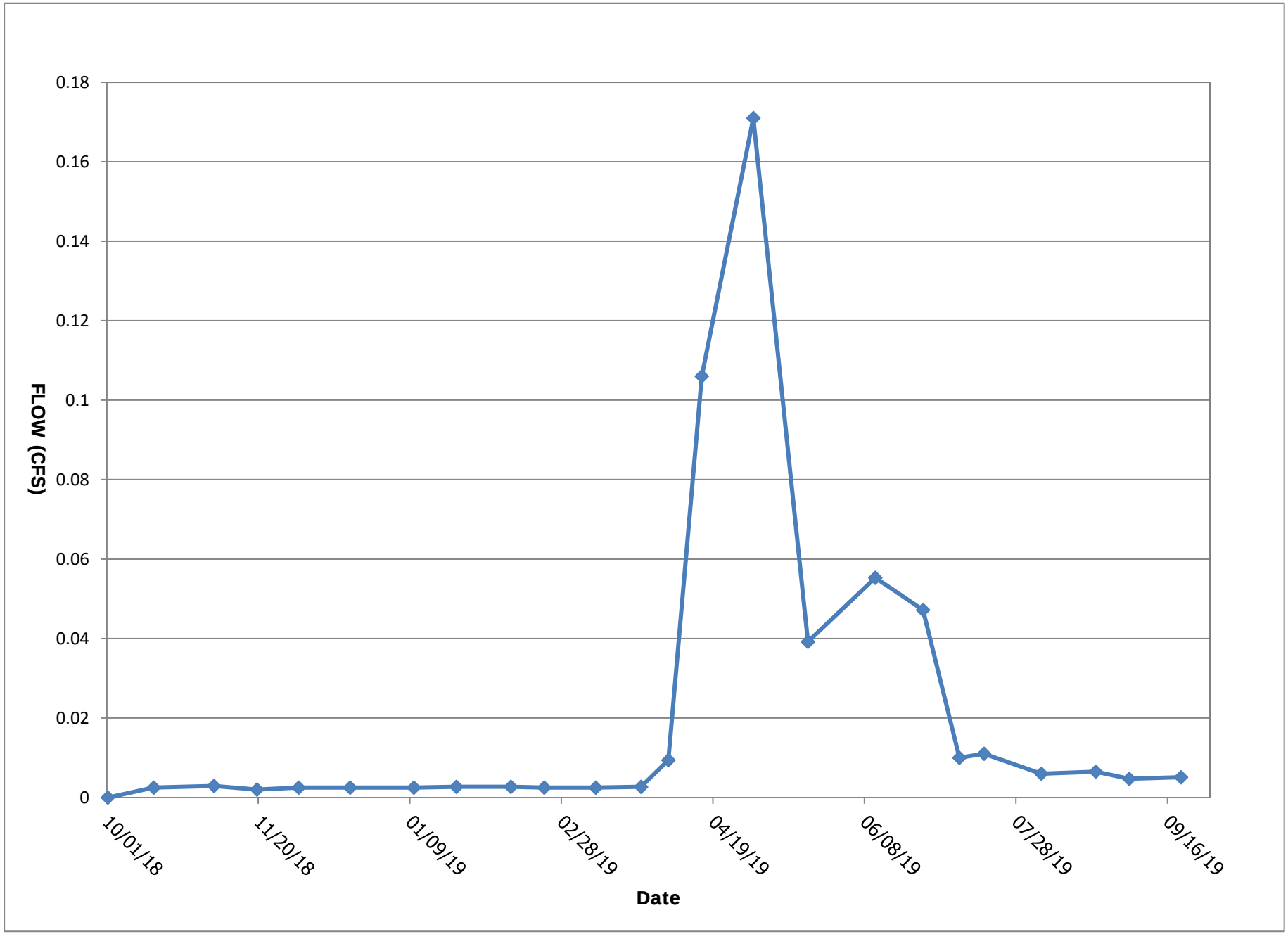
				loc_report_order	2	2		2	
				Location Code	NPDES3	NPDES3		NPDES3	
				sys_sample_code	3002_NPDES3_04042019	3002_NPDES3_04152019		3002_NPDES3_05022019	
				Site ID					
				Date	4/4/2019	4/15/2019		5/2/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	4.2	Y	47.8	Y	76.6
2	pH, Field	N	S.U.		Y	7.17	Y	8.04	Y	8.45
3	Temperature, Field	N	C		Y	4.3	Y	4.7	Y	8.5
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2237	Y	1953	Y	2319
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L		Y	0.37	Y	0.1	Y	0.19
6	Manganese	PD	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	1.6	Y	4.5	Y	4.2
7	Selenium	TR	UG/L		Y	1.1	Y	4.3	Y	3.9
8	Solids, Total Suspended	N	MG/L		N	20	N	20	Y	7
9	Total Dissolved Solids, Lab	N	MG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	2	2		2	
				Location Code	NPDES3	NPDES3		NPDES3	
				sys_sample_code	3002_NPDES3_05022019A	3002_NPDES3_05202019		3002_NPDES3_06112019	
				Site ID					
				Date	5/2/2019	5/20/2019		6/11/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	76.6	Y	17.6	Y	24.8
2	pH, Field	N	S.U.		Y	8.45	Y	8.12	Y	8.25
3	Temperature, Field	N	C		Y	8.5	Y	11.6	Y	20.6
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2319	Y	2311	Y	2277
5	Iron	D	MG/L		Y	0.04				
5	Iron	PD	MG/L		Y	0.12				
5	Iron	TR	MG/L		Y	0.19	Y	0.33	Y	0.36
6	Manganese	PD	MG/L							
7	Selenium	D	UG/L		Y	3.9				
7	Selenium	PD	UG/L				Y	3.6	Y	2.5
7	Selenium	TR	UG/L		Y	3.9	Y	3.5	Y	2.5
8	Solids, Total Suspended	N	MG/L		Y	7	Y	14	Y	18
9	Total Dissolved Solids, Lab	N	MG/L		Y	1970				
19	Solids, Settleable	N	ML/L				N	0.5	N	0.5

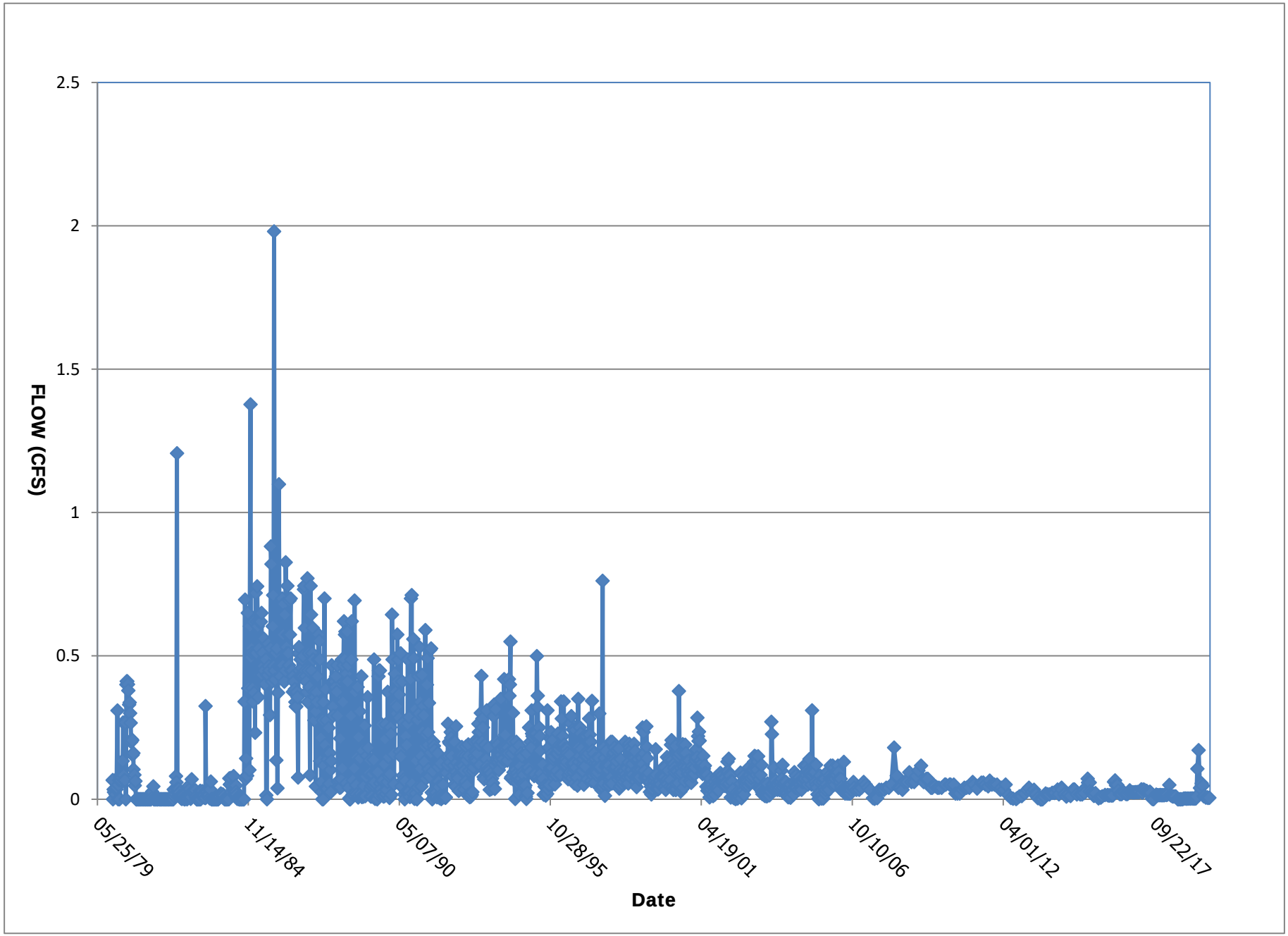
				loc_report_order	2	2		2	
				Location Code	NPDES3	NPDES3		NPDES3	
				sys_sample_code	3002_NPDES3_06272019	3002_NPDES3_07092019		3002_NPDES3_07172019	
				Site ID					
				Date	6/27/2019	7/9/2019		7/17/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	21.2	Y	4.6	Y	4.8
2	pH, Field	N	S.U.		Y	8.35	Y	8.32	Y	8.45
3	Temperature, Field	N	C		Y	16.8	Y	19.2	Y	23.7
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2068	Y	2115	Y	2152
5	Iron	D	MG/L							
5	Iron	PD	MG/L							
5	Iron	TR	MG/L		Y	0.3	Y	0.29	Y	0.19
6	Manganese	PD	MG/L				Y	0.4		
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	1.4	Y	1.4	Y	1.5
7	Selenium	TR	UG/L		Y	1.5	Y	1.4	Y	1.5
8	Solids, Total Suspended	N	MG/L		Y	20	Y	11	Y	10
9	Total Dissolved Solids, Lab	N	MG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	2	2		2	
				Location Code	NPDES3	NPDES3		NPDES3	
				sys_sample_code	3002_NPDES3_07172019A	3002_NPDES3_08052019		3002_NPDES3_08232019	
				Site ID					
				Date	7/17/2019	8/5/2019		8/23/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	4.8	Y	2.7	Y	2.9
2	pH, Field	N	S.U.		Y	8.45	Y	8.5	Y	8.3
3	Temperature, Field	N	C		Y	23.7	Y	21.3	Y	18
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2152	Y	2174	Y	2187
5	Iron	D	MG/L		N	0.08				
5	Iron	PD	MG/L		Y	0.08				
5	Iron	TR	MG/L		Y	0.16	Y	0.26	Y	0.34
6	Manganese	PD	MG/L							
7	Selenium	D	UG/L		Y	1.6				
7	Selenium	PD	UG/L				Y	1.2	Y	0.9
7	Selenium	TR	UG/L		Y	1.6	Y	1.1	Y	1.2
8	Solids, Total Suspended	N	MG/L		Y	9	Y	14	Y	22
9	Total Dissolved Solids, Lab	N	MG/L		Y	1760				
19	Solids, Settleable	N	ML/L				N	0.5	N	0.5

			loc_report_order	2		2	
			Location Code	NPDES3		NPDES3	
			sys_sample_code	3002_NPDES3_09032019		3002_NPDES3_09202019	
			Site ID				
			Date	9/3/2019		9/20/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	2.1	Y	2.3
2	pH, Field	N	S.U.	Y	8.63	Y	8.51
3	Temperature, Field	N	C	Y	17	Y	16.7
4	Specific Conductivity, Field	N	UMHOS/CM	Y	2197	Y	2294
5	Iron	D	MG/L				
5	Iron	PD	MG/L				
5	Iron	TR	MG/L	Y	0.3	Y	0.28
6	Manganese	PD	MG/L				
7	Selenium	D	UG/L				
7	Selenium	PD	UG/L	Y	1	Y	0.7
7	Selenium	TR	UG/L	Y	1.2	Y	0.7
8	Solids, Total Suspended	N	MG/L	Y	32	Y	16
9	Total Dissolved Solids, Lab	N	MG/L				
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5

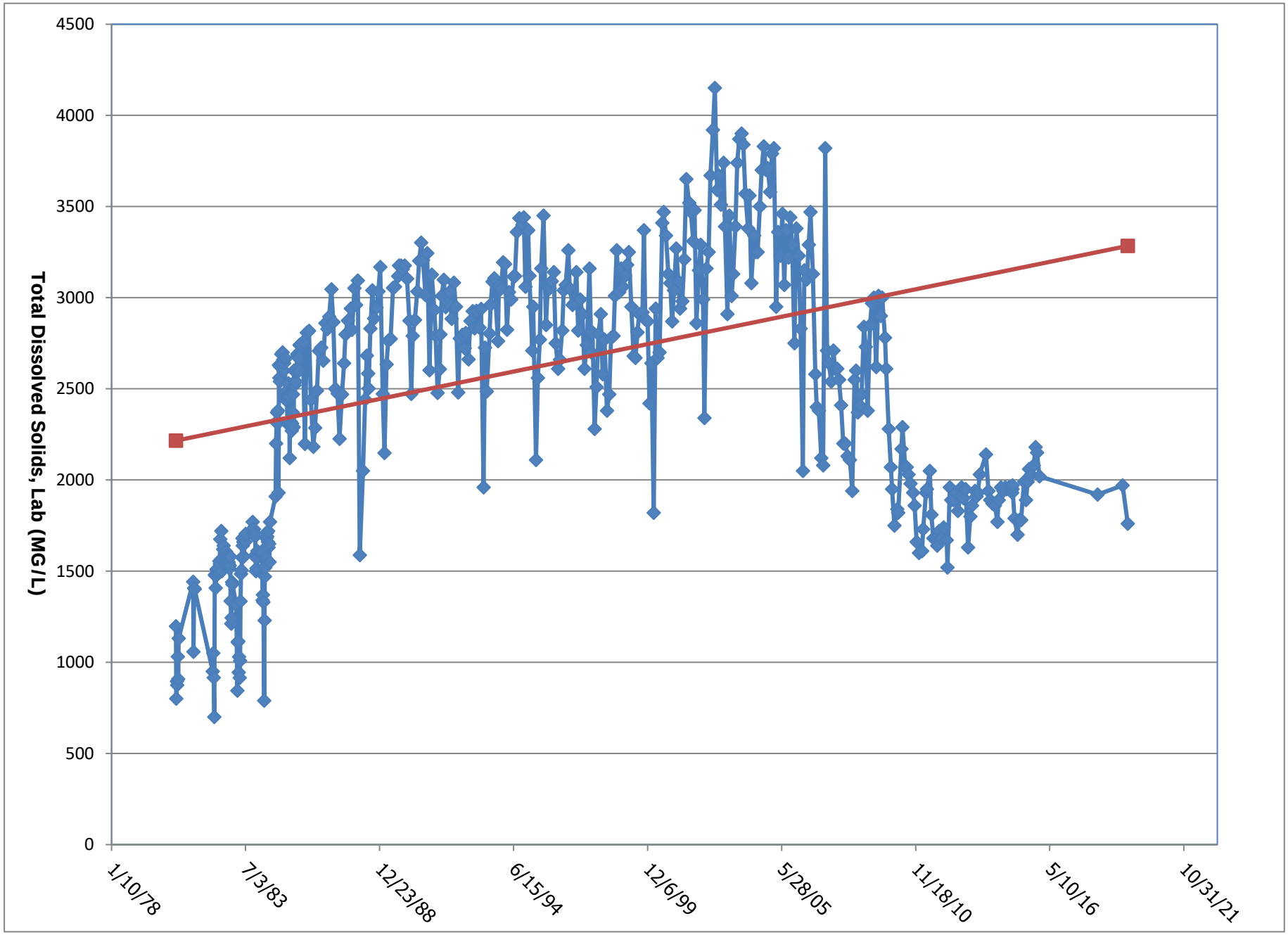


Water Year Water Discharge Hydrograph
NPDES3



Period of Record Water Discharge Hydrograph

NPDES3



Period of Record TDS Trend Plot

NPDES3

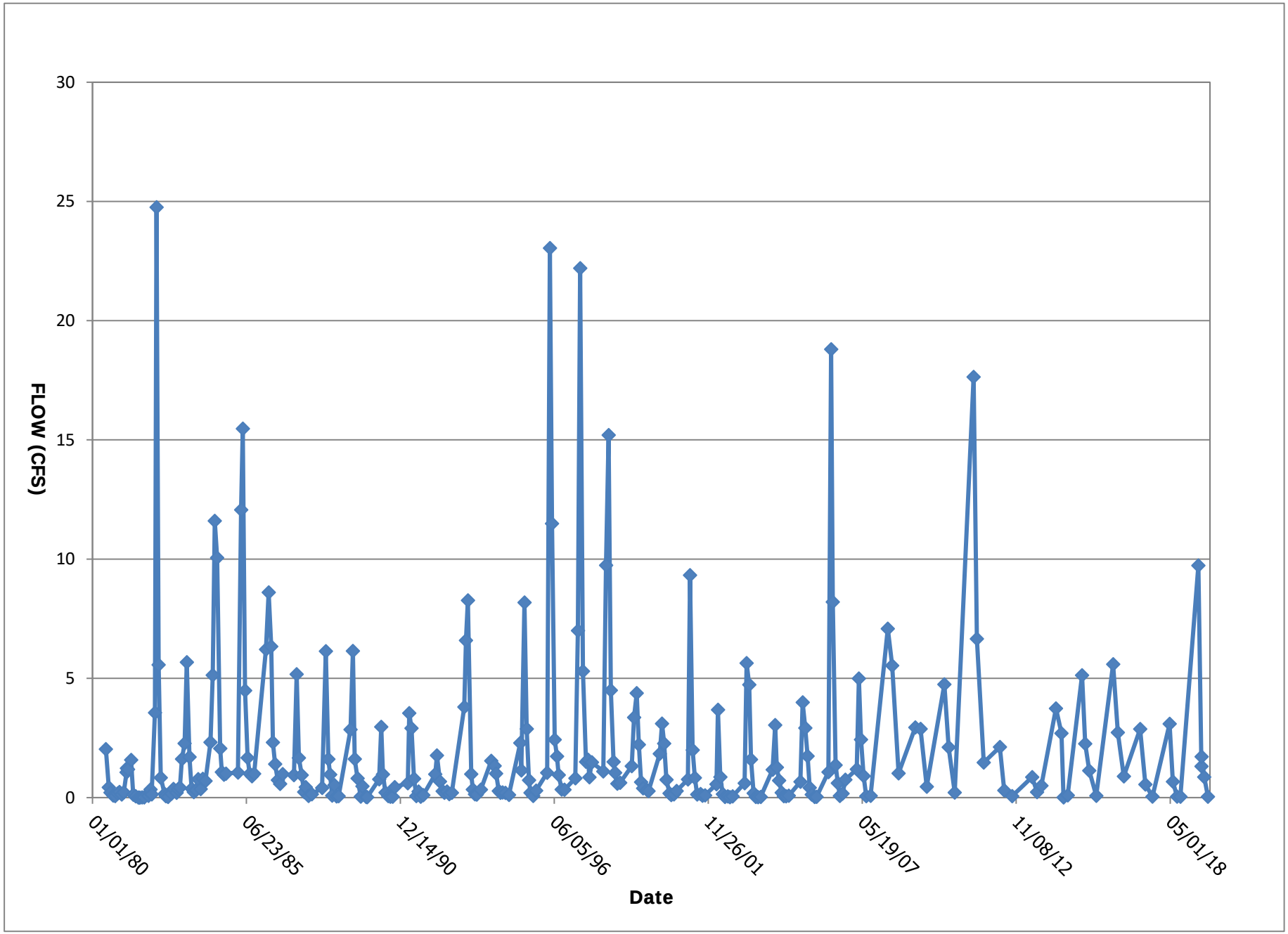
			loc_report_order Location Code Location Name		5 SSG2							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	6/24/1980	9/3/2019	276	942.4618	358.75	11111.03	0.69	1655.44
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	6/24/1980	9/3/2019	278	2221	2245	4870	2.3	811.6
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	9/26/1980	9/3/2019	270	8.11	8.13	8.65	6.44	0.236
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	12/29/1982	9/11/2018	247	12.4	13.4	25	0.2	6.14
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	5/2/2019	9/3/2019	5	16.2	17.6	21	6.7	5.8
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/24/1980	9/14/2015	138	285	290	386	149	44.3
6	3002 - AHR SW & SPR Long	Arsenic	D	UG/L	3/20/1981	5/11/1994	4	1	1	1	1	0
6	3002 - AHR SW & SPR Long	Arsenic	T	UG/L	6/24/1980	3/3/1987	26	1	1	2	1	0.5
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/12/1987	9/14/2015	78	1.3	1	5	0.5	0.84
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	7/13/1983	4/29/2013	85	334	344	459	182	49
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	11/24/1980	9/14/2015	82	187	170	571	90	82.9
8	3002 - AHR SW & SPR Long	Boron	T	UG/L	6/24/1980	3/3/1987	26	266	254	611	90	124
8	3002 - AHR SW & SPR Long	Boron	TR	UG/L	9/8/1987	9/8/1987	1	340	340	340	340	0
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	3/20/1981	9/14/2015	12	1	0.2	5	0.1	2
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	4/5/2005	5/5/2011	19	0.1	0.1	0.2	0.1	0.05
9	3002 - AHR SW & SPR Long	Cadmium	T	UG/L	6/24/1980	3/3/1987	24	3.9	5	14	0.2	3
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	6/12/1987	6/8/2005	55	1	0.5	10	0.1	2
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	11/24/1980	9/14/2015	85	264.7	262	398	147	63.55
10	3002 - AHR SW & SPR Long	Calcium	T	MG/L	6/24/1980	3/3/1987	26	205	199	299	130	42.3
10	3002 - AHR SW & SPR Long	Calcium	TR	MG/L	6/12/1987	9/8/1987	2	264	264	295	232	44.5
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	7/13/1983	4/29/2013	85	2.7	2	29	0	4.6
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/24/1980	9/14/2015	113	39.2	30	221	11	31.8
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	3/20/1981	9/14/2015	12	7	1	30	0.1	10
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	4/5/2005	5/5/2011	19	0.4	0.2	1	0.1	0.4
13	3002 - AHR SW & SPR Long	Chromium	T	UG/L	6/24/1980	10/7/1981	7	20	20	40	20	8
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	6/12/1987	6/8/2005	55	10	10	20	0.5	5
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/24/1980	9/14/2015	136	2279	2170	4120	1100	630.7
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	3/20/1981	9/14/2015	12	6.4	2.3	20	0.7	7.3
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	4/5/2005	5/5/2011	19	2.5	2.6	5	0.7	1
15	3002 - AHR SW & SPR Long	Copper	T	UG/L	6/24/1980	3/3/1987	24	20	20	60	4	10
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	6/12/1987	6/8/2005	55	14	10	100	0.7	13
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/24/1980	9/14/2015	105	1398.38	1310	2680	637	461.169

				loc_report_order Location Code Location Name	5 SSG2							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	6/24/1980	7/17/2019	119	0.047	0.02	0.41	0.01	0.059
18	3002 - AHR SW & SPR Long	Iron	PD	MG/L	4/8/2014	7/17/2019	7	0.19	0.17	0.31	0.1	0.08
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	6/24/1980	5/5/2011	132	0.905	0.42	10.9	0.02	1.44
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	3/4/1996	9/3/2019	56	0.754	0.48	2.71	0.07	0.65
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	11/24/1980	9/14/2015	15	10	0.2	40	0.1	10
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	4/5/2005	5/5/2011	19	0.54	0.4	2	0.1	0.53
19	3002 - AHR SW & SPR Long	Lead	T	UG/L	6/24/1980	3/3/1987	26	30	20	70	20	10
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	6/12/1987	6/8/2005	55	5.8	1	50	0.1	9.6
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	11/24/1980	9/14/2015	85	215.2	202	438	102	80.3
20	3002 - AHR SW & SPR Long	Magnesium	T	MG/L	6/24/1980	9/8/1987	28	129	120	231	78	35.7
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	11/24/1980	9/3/2019	111	0.202	0.17	0.75	0.01	0.133
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	4/5/2005	9/11/2018	32	0.21	0.21	0.66	0.01	0.15
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	6/24/1980	6/8/2005	97	0.24	0.21	0.76	0.02	0.14
21	3002 - AHR SW & SPR Long	Manganese	TR	MG/L	6/12/1987	3/4/1996	2	0.22	0.22	0.27	0.17	0.071
22	3002 - AHR SW & SPR Long	Mercury	D	UG/L	3/20/1981	5/11/1994	4	0.1	0.1	0.2	0.02	0.1
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	6/24/1980	9/3/2019	75	0.3	0.2	1	0.02	0.3
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	6/12/1987	4/13/2004	50	0.2	0.2	0.3	0.1	0.05
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	11/24/1980	9/14/2015	15	20	20	40	8	9
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	4/5/2005	5/5/2011	19	20	20	50	10	10
23	3002 - AHR SW & SPR Long	Nickel	T	UG/L	6/24/1980	10/7/1981	7	20	20	30	20	4
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	6/12/1987	6/8/2005	55	20	20	20	10	5
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/24/1980	9/3/2019	128	0.144	0.07	3.26	0.02	0.33
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/24/1980	9/3/2019	131	1.11	0.69	5.39	0.02	1.23
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	9/8/1987	9/3/2019	99	0.02	0.01	0.41	0.01	0.047
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/24/1980	9/14/2015	136	8.1	8.1	8.6	7.5	0.21
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	11/24/1980	9/14/2015	85	7.57	7.3	12	4	1.61
29	3002 - AHR SW & SPR Long	Potassium	T	MG/L	6/24/1980	3/3/1987	26	6.4	6	8.4	5	0.81
29	3002 - AHR SW & SPR Long	Potassium	TR	MG/L	6/12/1987	9/8/1987	2	8	8	9	7	1
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	11/24/1980	9/3/2019	44	1.5	1.2	4.3	0.3	0.82
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	4/5/2005	9/3/2019	37	1.8	1.7	7.4	0.2	1.2
30	3002 - AHR SW & SPR Long	Selenium	T	UG/L	6/24/1980	3/3/1987	26	1.9	1	14	1	2.5
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	6/12/1987	9/3/2019	86	1.2	1	3	0.4	0.54

				loc_report_order Location Code Location Name	5 SSG2							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	6/12/1987	9/14/2015	10	2	0.1	10	0.05	4
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	4/5/2005	5/5/2011	19	0.07	0.05	0.1	0.05	0.03
31	3002 - AHR SW & SPR Long	Silver	T	UG/L	6/24/1980	10/23/1980	5	5	5	7	3	1
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	6/12/1987	6/8/2005	55	2.5	0.5	10	0.05	3.8
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	11/24/1980	9/14/2015	85	108	106	200	52.7	32.4
32	3002 - AHR SW & SPR Long	Sodium	T	MG/L	6/24/1980	3/3/1987	26	82.9	83.5	146	34	25.2
32	3002 - AHR SW & SPR Long	Sodium	TR	MG/L	6/12/1987	9/8/1987	2	131	131	160	102	41
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	7/13/1983	9/14/2015	91	1.19	1.15	1.89	0.75	0.252
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/24/1980	9/3/2019	141	1342	1240	2640	422	529.8
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/12/1987	9/3/2019	99	0.054	0.02	0.7	0.01	0.1
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	11/24/1980	9/14/2015	15	0.02	0.02	0.06	0.01	0.01
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	4/5/2005	5/5/2011	19	0.02	0.02	0.05	0.01	0.009
37	3002 - AHR SW & SPR Long	Zinc	T	MG/L	6/24/1980	3/3/1987	27	0.22	0.02	5	0.01	0.96
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	6/12/1987	6/8/2005	55	0.02	0.01	0.07	0.01	0.01
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	7/13/1983	9/14/2015	93	-0.601	-0.81	5.8	-13.5	2.86
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	6/24/1980	9/3/2019	166	2156	2025	4300	760	786.4
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	7/13/1983	9/14/2015	92	2174	2036	3840	1189	711.6
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	6/24/1980	9/3/2019	166	31	14	684	1	62.3

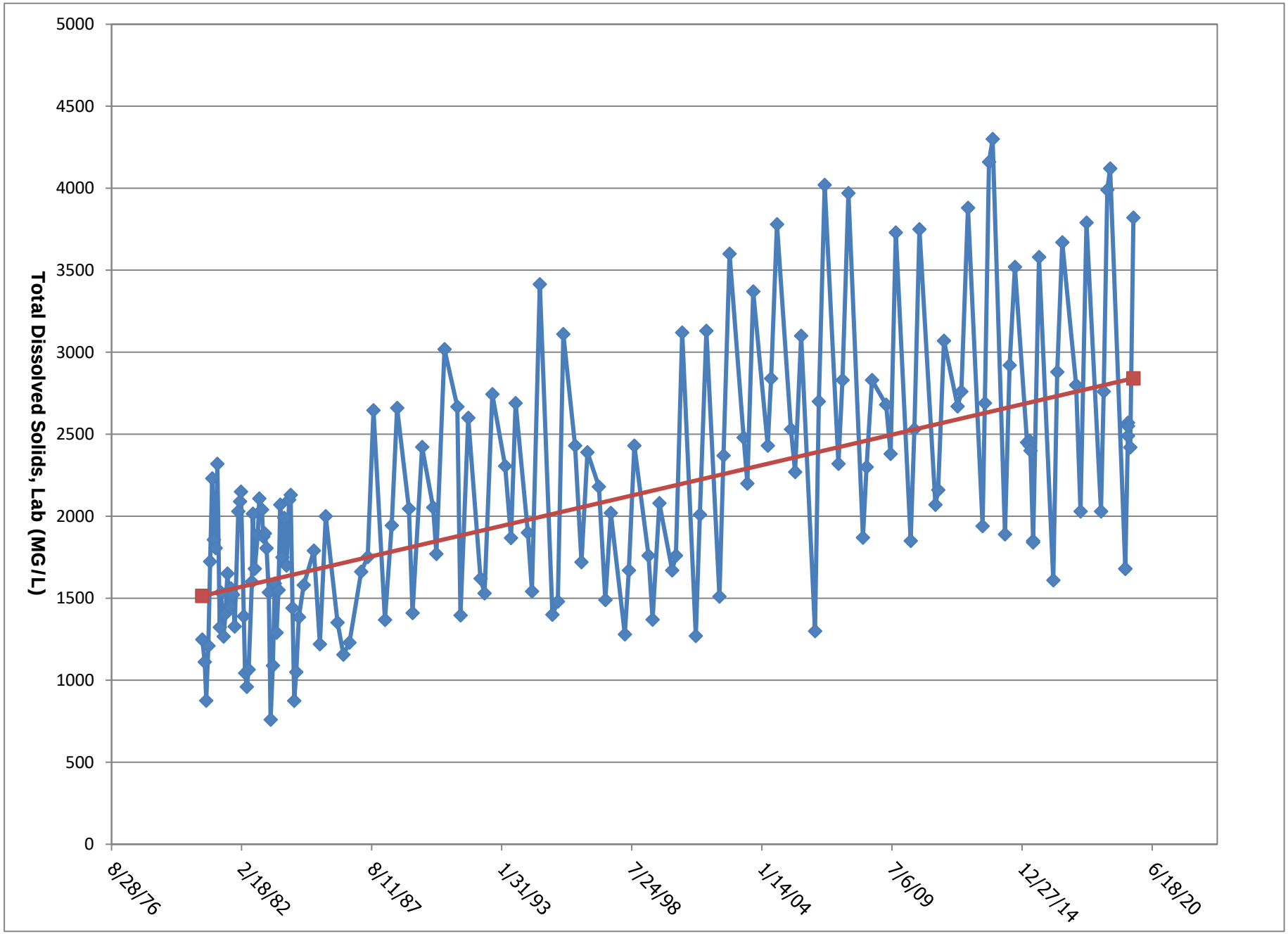
				loc_report_order	5	5		5		5	
				Location Code	SSG2	SSG2		SSG2		SSG2	
				sys_sample_code	3002_SSG2_05022019A	3002_SSG2_05022019B		3002_SSG2_06112019		3002_SSG2_06122019A	
				Site ID							
				Date	5/2/2019	5/2/2019		6/11/2019		6/12/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM		Y	4367	Y	4367	Y	587.6	Y	771.09
1	Specific Conductivity, Field	N	UMHOS/CM		Y	1978	Y	1978	Y	2790		
2	pH, Field	N	S.U.		Y	8.27	Y	8.27	Y	8.3	Y	8.5
3	Temperature, Field	N	DEG-C		Y	6.7	Y	6.7	Y	20.5	Y	15.2
18	Iron	D	MG/L				N	0.08				
18	Iron	PD	MG/L				Y	0.31				
18	Iron	TR	MG/L		Y	1.11	Y	1.12	Y	0.56	Y	0.3
21	Manganese	D	MG/L		Y	0.0119			Y	0.0585	Y	0.0637
22	Mercury	T	UG/L		N	1			N	1	N	1
24	Ammonia Nitrogen	N	MG/L		N	0.2			N	0.2	N	0.2
26	Nitrate Nitrogen	N	MG/L		Y	0.84			Y	0.58	Y	0.46
27	Nitrite Nitrogen	N	MG/L		N	0.05			Y	0.02	Y	0.01
30	Selenium	D	UG/L		Y	2.5	Y	2.3	Y	2.1	Y	1.6
30	Selenium	PD	UG/L		Y	2.2			Y	1.9	Y	1.7
30	Selenium	TR	UG/L		Y	2.3	Y	2.4	Y	1.9	Y	1.7
34	Sulfates	N	MG/L		Y	959	Y	942	Y	1460	Y	1460
35	Sulfide	N	MG/L		N	0.1			N	0.1	N	0.1
39	Total Dissolved Solids, Lab	N	MG/L		Y	1680	Y	1680	Y	2490	Y	2570
41	Solids, Total Suspended	N	MG/L		Y	21	Y	24	Y	20	Y	8

				loc_report_order	5		5		5	
				Location Code	SSG2		SSG2		SSG2	
				sys_sample_code	3002_SSG2_06122019B		3002_SSG2_07172019		3002_SSG2_09032019	
				Site ID						
				Date	6/12/2019		7/17/2019		9/3/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM		Y	771.09	Y	387	Y	17.7
1	Specific Conductivity, Field	N	UMHOS/CM				Y	2768	Y	3947
2	pH, Field	N	S.U.		Y	8.5	Y	8.26	Y	8.48
3	Temperature, Field	N	DEG-C		Y	15.2	Y	21	Y	17.6
18	Iron	D	MG/L		N	0.2	Y	0.14		
18	Iron	PD	MG/L		Y	0.15	Y	0.21		
18	Iron	TR	MG/L		Y	0.34	Y	0.43	Y	0.26
21	Manganese	D	MG/L						Y	0.128
22	Mercury	T	UG/L						N	1
24	Ammonia Nitrogen	N	MG/L						N	0.2
26	Nitrate Nitrogen	N	MG/L						N	0.1
27	Nitrite Nitrogen	N	MG/L						N	0.05
30	Selenium	D	UG/L		Y	1.6	Y	1.2	Y	1.2
30	Selenium	PD	UG/L						Y	1.5
30	Selenium	TR	UG/L		Y	1.7	Y	1.1	Y	1.3
34	Sulfates	N	MG/L		Y	1470	Y	1470	Y	2280
35	Sulfide	N	MG/L						N	0.1
39	Total Dissolved Solids, Lab	N	MG/L		Y	2550	Y	2420	Y	3820
41	Solids, Total Suspended	N	MG/L		Y	12	Y	8	Y	10



Period of Record Water Discharge Hydrograph

SSG2



Period of Record TDS Trend Plot

SSG2

			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_10012018		3002_NPDES7_10162018		3002_NPDES7_11052018	
			Site ID						
			Date	10/1/2018		10/16/2018		11/5/2018	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
19	Solids, Settleable	N	ML/L						

			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_11192018		3002_NPDES7_12032018		3002_NPDES7_12202018	
			Site ID						
			Date	11/19/2018		12/3/2018		12/20/2018	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
19	Solids, Settleable	N	ML/L						

			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_01102019		3002_NPDES7_01242019		3002_NPDES7_02112019	
			Site ID						
			Date	1/10/2019		1/24/2019		2/11/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
19	Solids, Settleable	N	ML/L						

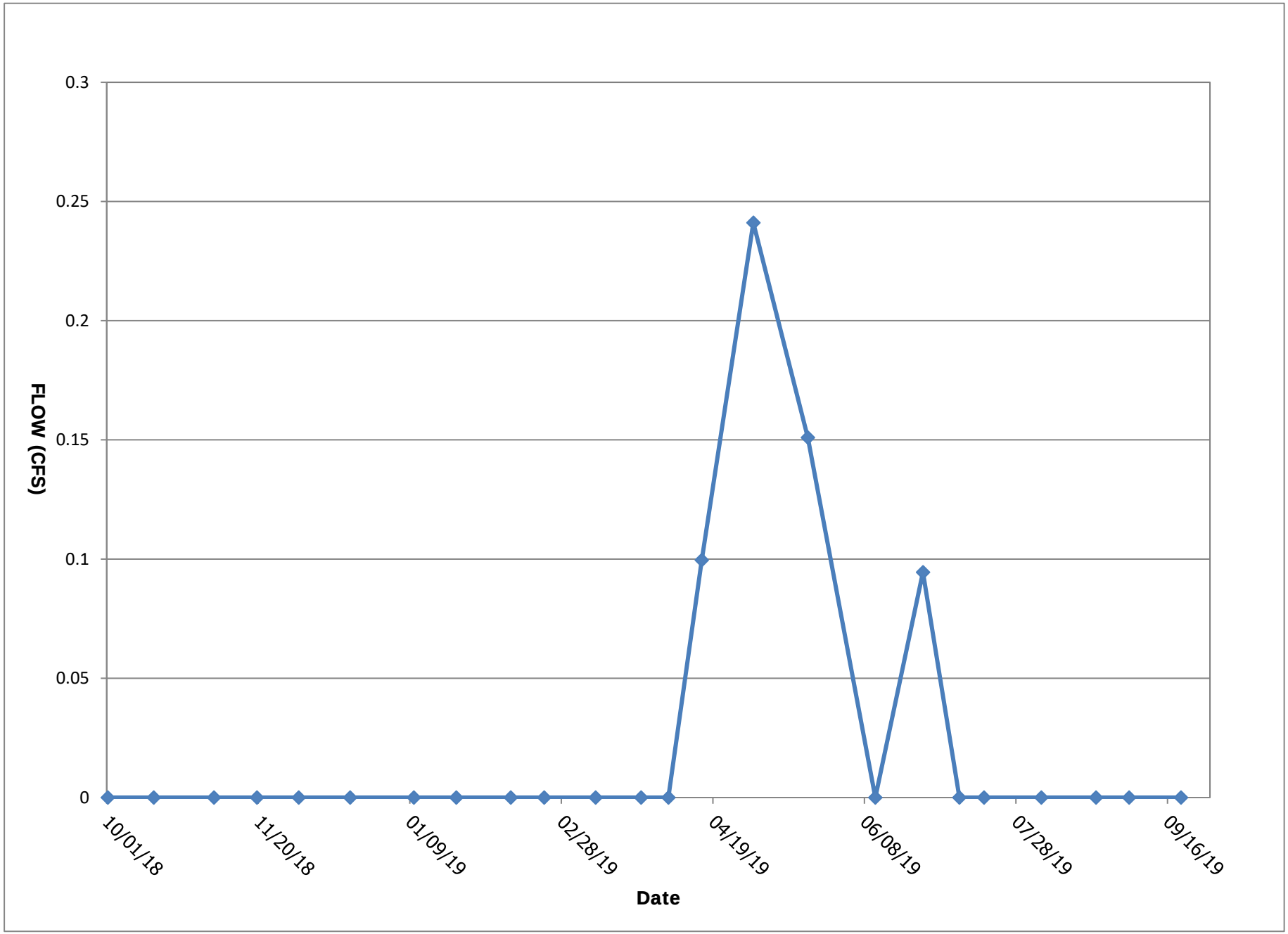
			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_02222019		3002_NPDES7_03112019		3002_NPDES7_03262019	
			Site ID						
			Date	2/22/2019		3/11/2019		3/26/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
19	Solids, Settleable	N	ML/L						

			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_04042019		3002_NPDES7_04152019		3002_NPDES7_05022019	
			Site ID						
			Date	4/4/2019		4/15/2019		5/2/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	44.7	Y	108.2
2	pH, Field	N	S.U.			Y	7.93	Y	8.26
3	Temperature, Field	N	C			Y	5.5	Y	5.1
4	Specific Conductivity, Field	N	UMHOS/CM			Y	1192	Y	1487
5	Iron	TR	MG/L			Y	0.04	N	0.08
6	Manganese	PD	MG/L			N	0.05		
7	Selenium	PD	UG/L			Y	1.1	Y	0.5
7	Selenium	TR	UG/L			Y	1.1	Y	0.6
8	Solids, Total Suspended	N	MG/L			N	20	N	20
19	Solids, Settleable	N	ML/L			N	0.5	N	0.5

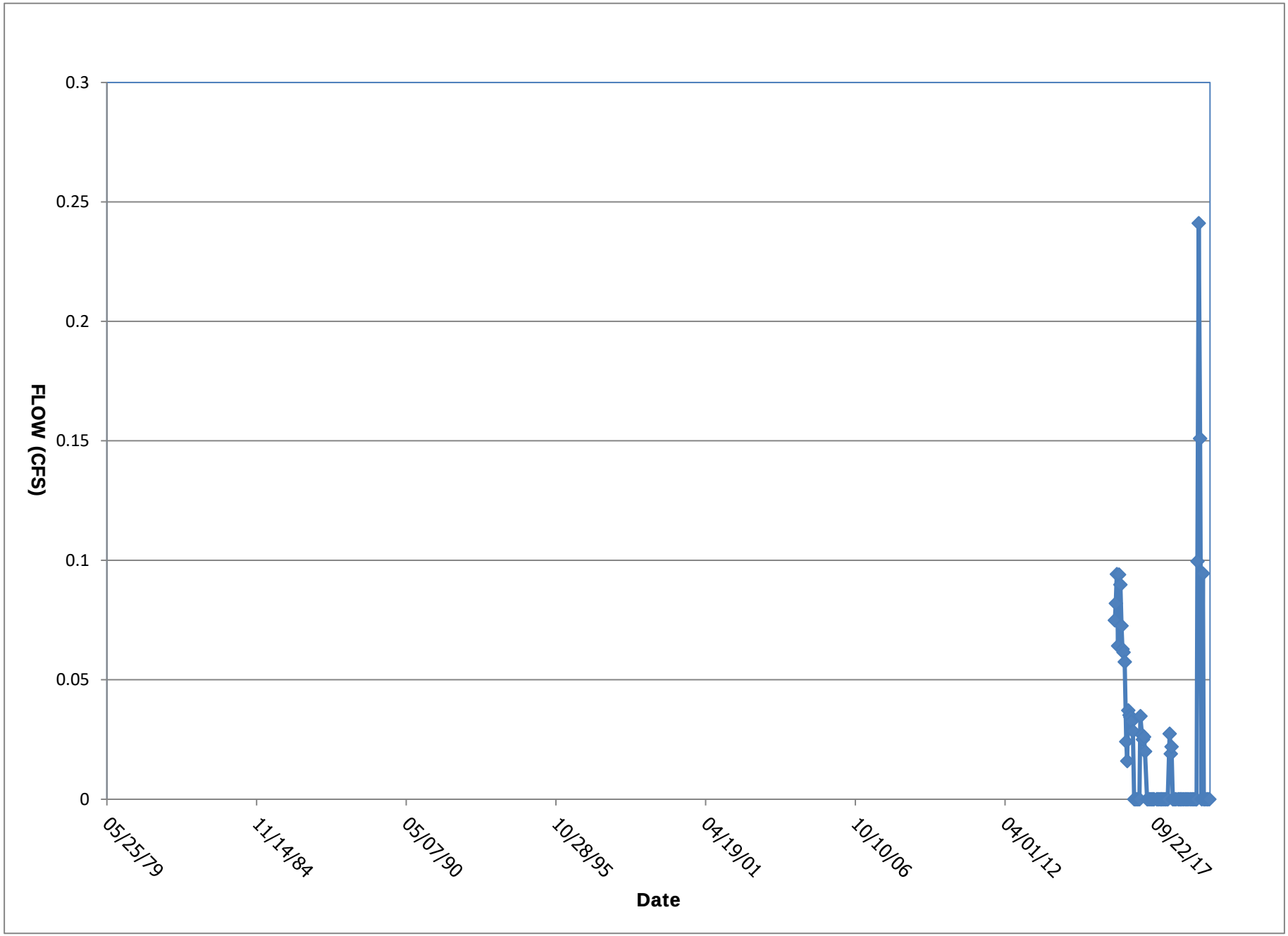
				loc_report_order	6	6		6	
				Location Code	NPDES7	NPDES7		NPDES7	
				sys_sample_code	3002_NPDES7_05202019	3002_NPDES7_06112019		3002_NPDES7_06272019	
				Site ID					
				Date	5/20/2019	6/11/2019		6/27/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	67.8	Y	0	Y	42.4
2	pH, Field	N	S.U.		Y	7.98			Y	8.12
3	Temperature, Field	N	C		Y	8			Y	15.5
4	Specific Conductivity, Field	N	UMHOS/CM		Y	1904			Y	1171
5	Iron	TR	MG/L		Y	0.07			Y	0.19
6	Manganese	PD	MG/L							
7	Selenium	PD	UG/L		Y	0.4			Y	0.3
7	Selenium	TR	UG/L		Y	0.3			Y	0.4
8	Solids, Total Suspended	N	MG/L		N	20			Y	7
19	Solids, Settleable	N	ML/L		N	0.5			N	0.5

			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_07092019		3002_NPDES7_07172019		3002_NPDES7_08052019	
			Site ID						
			Date	7/9/2019		7/17/2019		8/5/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
19	Solids, Settleable	N	ML/L						

			loc_report_order	6		6		6	
			Location Code	NPDES7		NPDES7		NPDES7	
			sys_sample_code	3002_NPDES7_08232019		3002_NPDES7_09032019		3002_NPDES7_09202019	
			Site ID						
			Date	8/23/2019		9/3/2019		9/20/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
19	Solids, Settleable	N	ML/L						



Water Year Water Discharge Hydrograph
NPDES7



Period of Record Water Discharge Hydrograph
NPDES7

				loc_report_order Location Code Location Name	6 YSG5							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	5/9/1996	9/3/2019	78	1916.73	549.5	20691	5.19	3506.72
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	7/12/1995	9/3/2019	83	2569	2580	4760	2.32	864.9
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	7/12/1995	9/3/2019	84	8.19	8.19	8.88	7.64	0.221
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	7/12/1995	9/11/2018	79	14	14.6	26.1	3.7	4.481
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	5/2/2019	9/3/2019	5	15	17.2	19.9	7.5	5.24
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/15/2009	9/3/2019	33	287	300	379	172	48.3
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/15/2009	9/3/2019	33	1.1	1	2	0.5	0.32
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	6/15/2009	9/3/2019	23	332	348	440	199	58.2
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	6/15/2009	9/3/2019	33	190	180	280	110	48
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	4/8/2014	9/3/2019	17	0.2	0.2	0.5	0.1	0.1
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	6/15/2009	10/1/2013	16	0.2	0.2	0.5	0.1	0.1
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	6/15/2009	9/3/2019	33	275	283	394	120	74.2
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	6/15/2009	9/3/2019	23	9.63	10.7	21	2	6.19
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/15/2009	9/3/2019	33	23.5	23.3	35	12	6.49
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	4/8/2014	9/3/2019	17	1	1	4	0.5	1
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	6/15/2009	10/1/2013	16	0.9	0.8	3	0.5	0.6
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/15/2009	6/5/2018	30	2890	3030	4040	1550	644
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMS/CM	5/2/2019	9/3/2019	3	2640	2740	3560	1610	979
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	4/8/2014	9/3/2019	17	1.8	1	4.2	0.5	1.4
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	6/15/2009	10/1/2013	16	2.2	2	6	0.5	1.4
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/15/2009	9/3/2019	33	1770	1810	2730	753	531
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	4/29/2013	4/8/2014	2	0.16	0.16	0.29	0.02	0.19
18	3002 - AHR SW & SPR Long	Iron	PD	MG/L	4/29/2013	4/23/2015	3	0.2	0.16	0.32	0.11	0.11
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	5/3/2007	10/1/2013	18	0.799	0.745	1.6	0.15	0.466
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	5/3/2007	9/3/2019	37	0.901	0.8	2.53	0.16	0.581
18	3002 - AHR SW & SPR Long	Iron	TR10UM	MG/L	4/29/2013	4/29/2013	1	0.16	0.16	0.16	0.16	0
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	4/8/2014	9/3/2019	17	0.3	0.2	1	0.1	0.2
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	6/15/2009	10/1/2013	16	0.5	0.5	1	0.1	0.3
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	6/15/2009	9/3/2019	33	264	265	425	110	85.4
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	4/8/2014	9/3/2019	18	0.198	0.11	0.72	0.01	0.201
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	6/15/2009	10/1/2013	16	0.29	0.27	0.67	0.06	0.16
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	6/15/2009	9/3/2019	34	0.3	0.2	1	0.2	0.3

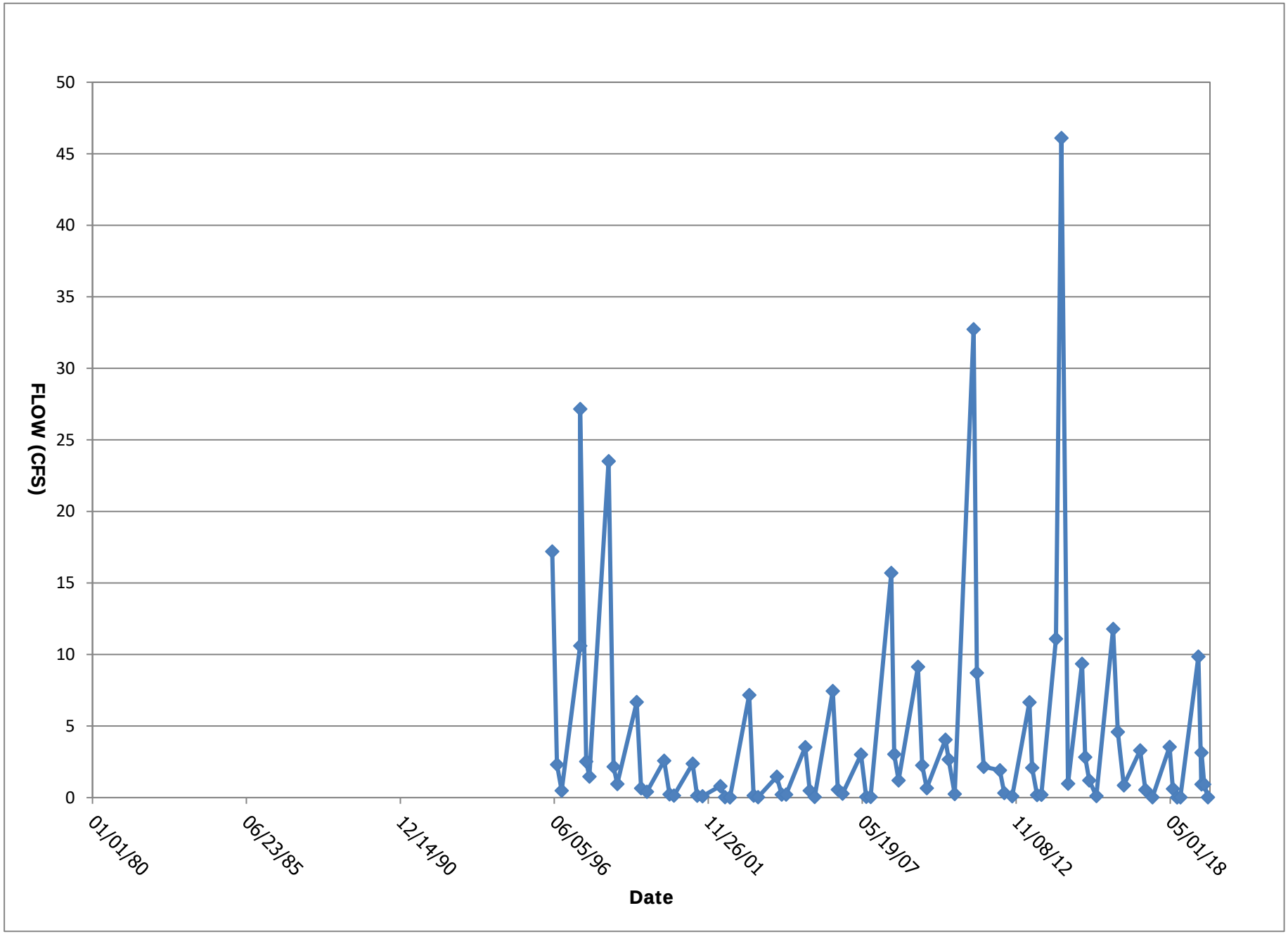
				loc_report_order	6							
				Location Code	YSG5							
				Location Name								
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	4/8/2014	9/3/2019	17	20	20	80	8	20
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	6/15/2009	10/1/2013	16	20	20	30	10	6
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/15/2009	9/3/2019	34	0.071	0.05	0.2	0.05	0.049
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/15/2009	9/3/2019	33	0.613	0.49	2.6	0.02	0.646
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	6/15/2009	9/3/2019	33	0.02	0.01	0.1	0.01	0.02
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/15/2009	9/3/2019	33	8.4	8.4	8.6	8.2	0.09
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	6/15/2009	9/3/2019	33	7.71	7.2	11	5	1.79
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	7/6/2009	9/3/2019	30	2.58	1.65	15.7	0.5	2.97
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	6/15/2009	6/12/2019	17	3.2	2.3	7.8	0.1	2.5
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	7/6/2009	9/3/2019	30	2.62	1.6	17.2	0.5	3.17
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	4/8/2014	9/3/2019	17	0.2	0.1	1	0.05	0.3
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	6/15/2009	10/1/2013	16	0.09	0.08	0.3	0.05	0.06
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	6/15/2009	9/3/2019	33	123	125	208	61.8	34.5
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	6/15/2009	9/3/2019	33	1.3	1.3	2.08	0.72	0.321
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/15/2009	9/3/2019	41	1660	1610	2790	716	521
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/15/2009	9/3/2019	34	0.03	0.02	0.1	0.02	0.03
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	4/8/2014	9/3/2019	17	0.03	0.02	0.1	0.01	0.03
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	6/15/2009	10/1/2013	16	0.02	0.02	0.02	0.01	0.005
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	6/15/2009	9/3/2019	33	-0.22	0	7.2	-5.6	2.9
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	5/9/1996	9/3/2019	81	2600	2540	4210	1130	740
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	6/15/2009	9/3/2019	32	2540	2610	3870	1160	724
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	6/15/2009	9/3/2019	38	24	22	59	7	14

			loc_report_order	6		6		6	
			Location Code	YSG5		YSG5		YSG5	
			sys_sample_code	3002_YSG5_05022019		3002_YSG5_06112019		3002_YSG5_06122019A	
			Site ID						
			Date	5/2/2019		6/11/2019		6/12/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM	Y	4423	Y	416.7	Y	1410.7
1	Specific Conductivity, Field	N	UMHOS/CM	Y	1696	Y	2824		
2	pH, Field	N	S.U.	Y	8.31	Y	8.39	Y	8.5
3	Temperature, Field	N	DEG-C	Y	7.5	Y	18.7	Y	11.7
4	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	Y	175	Y	316		
6	Arsenic	TR	UG/L	Y	1.5	Y	0.8		
7	Bicarbonate as HCO3	N	MG/L	Y	213	Y	361		
8	Boron	D	UG/L	Y	110	Y	190		
9	Cadmium	D	UG/L	N	0.3	N	0.5		
10	Calcium	D	MG/L	Y	120	Y	284		
11	Carbonate as CO3	N	MG/L	N	20	Y	12		
12	Chloride	N	MG/L	Y	12	Y	16.8		
13	Chromium	D	UG/L	N	2	N	4		
14	Specific Conductivity, Lab	N	UMS/CM	Y	1610	Y	2740		
15	Copper	D	UG/L	Y	4.1	Y	4		
17	Hardness	N	MG/L	Y	753	Y	1670		
18	Iron	TR	MG/L	Y	2.38	Y	0.26	Y	0.46
19	Lead	D	UG/L	N	0.5	N	1		
20	Magnesium	D	MG/L	Y	110	Y	234		
21	Manganese	D	MG/L	N	0.05	Y	0.07	Y	0.0757
22	Mercury	T	UG/L	N	1	N	1	N	1
23	Nickel	D	UG/L	N	40	N	80		
24	Ammonia Nitrogen	N	MG/L	N	0.2	N	0.2	N	0.2
26	Nitrate Nitrogen	N	MG/L	Y	0.76	Y	0.38		
27	Nitrite Nitrogen	N	MG/L	Y	0.02	Y	0.01		
28	pH, Lab	N	S.U.	Y	8.3	Y	8.4		
29	Potassium	D	MG/L	Y	5.1	Y	7.1		
30	Selenium	D	UG/L	Y	4	Y	1.7	Y	1.7
30	Selenium	PD	UG/L					Y	1.7
30	Selenium	TR	UG/L	Y	3.6	Y	1.8	Y	1.7
31	Silver	D	UG/L	N	0.5	N	1		

				loc_report_order	6	6		6	
				Location Code	YSG5	YSG5		YSG5	
				sys_sample_code	3002_YSG5_05022019	3002_YSG5_06112019		3002_YSG5_06122019A	
				Site ID					
				Date	5/2/2019	6/11/2019		6/12/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
32	Sodium	D	MG/L	Y	91.5	Y	97.5		
33	Sodium Adsorption Ratio	N	RATIO	Y	1.5	Y	1		
34	Sulfates	N	MG/L	Y	716	Y	1450	Y	1470
35	Sulfide	N	MG/L	N	0.1	N	0.1	N	0.1
37	Zinc	D	MG/L	N	0.05	N	0.1		
38	Cation / Anion Balance	N	%	Y	0	Y	1.3		
39	Total Dissolved Solids, Lab	N	MG/L	Y	1300	Y	2540	Y	2520
40	Total Dissolved Solids (Calculated)	N	MG/L	Y	1160	Y	2280		
41	Solids, Total Suspended	N	MG/L	Y	32	Y	10	Y	13

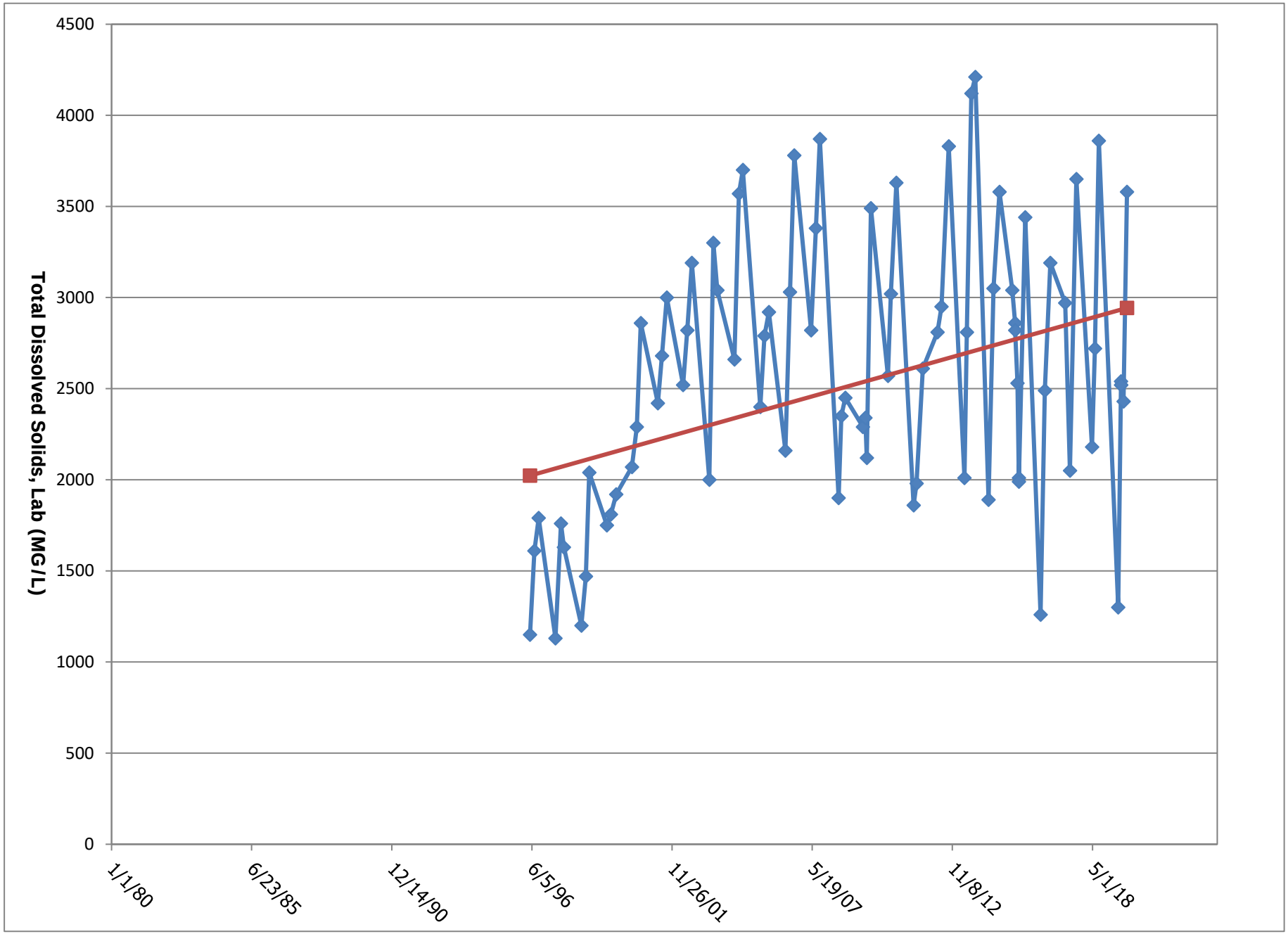
			loc_report_order	6		6		6	
			Location Code	YSG5		YSG5		YSG5	
			sys_sample_code	3002_YSG5_06122019B		3002_YSG5_07172019		3002_YSG5_09032019	
			Site ID						
			Date	6/12/2019		7/17/2019		9/3/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
42	Flow	N	GPM	Y	1410.7	Y	416	Y	11.9
1	Specific Conductivity, Field	N	UMHOS/CM			Y	2784	Y	3714
2	pH, Field	N	S.U.	Y	8.5	Y	8.23	Y	8.24
3	Temperature, Field	N	DEG-C	Y	11.7	Y	19.9	Y	17.2
4	Alkalinity as CaCO3, @ pH 4.5	N	MG/L					Y	379
6	Arsenic	TR	UG/L					Y	1.1
7	Bicarbonate as HCO3	N	MG/L					Y	440
8	Boron	D	UG/L					Y	250
9	Cadmium	D	UG/L					N	0.5
10	Calcium	D	MG/L					Y	365
11	Carbonate as CO3	N	MG/L					Y	10.7
12	Chloride	N	MG/L					Y	23.3
13	Chromium	D	UG/L					N	4
14	Specific Conductivity, Lab	N	UMS/CM					Y	3560
15	Copper	D	UG/L					N	4
17	Hardness	N	MG/L					Y	2310
18	Iron	TR	MG/L					Y	0.75
19	Lead	D	UG/L					Y	0.4
20	Magnesium	D	MG/L					Y	340
21	Manganese	D	MG/L					Y	0.72
22	Mercury	T	UG/L					N	1
23	Nickel	D	UG/L					N	80
24	Ammonia Nitrogen	N	MG/L					N	0.2
26	Nitrate Nitrogen	N	MG/L					N	0.05
27	Nitrite Nitrogen	N	MG/L					N	0.1
28	pH, Lab	N	S.U.					Y	8.4
29	Potassium	D	MG/L					Y	9.1
30	Selenium	D	UG/L	Y	1.6	Y	1.2	Y	0.6
30	Selenium	PD	UG/L						
30	Selenium	TR	UG/L	Y	1.8	Y	1.1	Y	0.7
31	Silver	D	UG/L					N	1

			loc_report_order	6		6		6	
			Location Code	YSG5		YSG5		YSG5	
			sys_sample_code	3002_YSG5_06122019B		3002_YSG5_07172019		3002_YSG5_09032019	
			Site ID						
			Date	6/12/2019		7/17/2019		9/3/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
32	Sodium	D	MG/L					Y	129
33	Sodium Adsorption Ratio	N	RATIO					Y	1.2
34	Sulfates	N	MG/L	Y	1460	Y	1390	Y	2080
35	Sulfide	N	MG/L					N	0.1
37	Zinc	D	MG/L					N	0.1
38	Cation / Anion Balance	N	%					Y	0
39	Total Dissolved Solids, Lab	N	MG/L	Y	2520	Y	2430	Y	3580
40	Total Dissolved Solids (Calculated)	N	MG/L					Y	3180
41	Solids, Total Suspended	N	MG/L					Y	17



Period of Record Water Discharge Hydrograph

YSG5



Period of Record TDS Trend Plot

YSG5

				loc_report_order	5		5		5	
				Location Code	SSSPG1		SSSPG1		SSSPG1	
				sys_sample_code	3002_SSSPG1_10012018		3002_SSSPG1_10162018		3002_SSSPG1_11052018	
				Site ID						
				Date	10/1/2018		10/16/2018		11/5/2018	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	29.3	Y	29.4	Y	29.7
2	pH, Field	N	S.U.		Y	7.58	Y	8.28	Y	8.26
3	Temperature, Field	N	C		Y	12.2	Y	11.4	Y	9.7
4	Specific Conductivity, Field	N	UMHOS/CM		Y	4148	Y	4156	Y	4134
5	Iron	TR	MG/L		N	0.1	N	0.1	N	0.1
6	Manganese	D	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	2.6	Y	2.8	Y	3
7	Selenium	TR	UG/L		Y	2.7	Y	2.6	Y	2.2
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	4020	Y	4050	Y	4120
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L							

			loc_report_order	5		5		5	
			Location Code	SSSPG1		SSSPG1		SSSPG1	
			sys_sample_code	3002_SSSPG1_11192018		3002_SSSPG1_12032018		3002_SSSPG1_12202018	
			Site ID						
			Date	11/19/2018		12/3/2018		12/20/2018	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	29.2	Y	29	Y	28.9
2	pH, Field	N	S.U.	Y	8.23	Y	8.18	Y	7.37
3	Temperature, Field	N	C	Y	8.8	Y	6.8	Y	2.4
4	Specific Conductivity, Field	N	UMHOS/CM	Y	4159	Y	4137	Y	2632
5	Iron	TR	MG/L	N	0.1	N	0.04	N	0.1
6	Manganese	D	MG/L						
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	Y	2.3	Y	2	Y	15
7	Selenium	TR	UG/L	Y	2.1	Y	2.2	Y	2.1
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	4080	Y	3920	Y	4060
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L						

				loc_report_order	5	5		5	
				Location Code	SSSPG1	SSSPG1		SSSPG1	
				sys_sample_code	3002_SSSPG1_01102019	3002_SSSPG1_01242019		3002_SSSPG1_02112019	
				Site ID					
				Date	1/10/2019	1/24/2019		2/11/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	28.7	Y	29	Y	29
2	pH, Field	N	S.U.		Y	7.36	Y	7.41	Y	7.94
3	Temperature, Field	N	C		Y	4.6	Y	1.4	Y	1.6
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2516	Y	2647	Y	2310
5	Iron	TR	MG/L		N	0.3	N	0.3	N	0.05
6	Manganese	D	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	1.7	Y	2	Y	2.7
7	Selenium	TR	UG/L		Y	2.3	Y	2.1	Y	2.2
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	4030	Y	4100	Y	4140
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	5	5	5	5	5
				Location Code	SSSPG1	SSSPG1	SSSPG1	SSSPG1	SSSPG1
				sys_sample_code	3002_SSSPG1_02222019	3002_SSSPG1_02222019	3002_SSSPG1_03112019	3002_SSSPG1_03112019	3002_SSSPG1_03262019	3002_SSSPG1_03262019
				Site ID						
				Date	2/22/2019	2/22/2019	3/11/2019	3/11/2019	3/26/2019	3/26/2019
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	29.1	Y	29.2	Y	29.6
2	pH, Field	N	S.U.		Y	7.46	Y	7.49	Y	7.47
3	Temperature, Field	N	C		Y	2.3	Y	2.4	Y	2.5
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2598	Y	2610	Y	2634
5	Iron	TR	MG/L		Y	0.43	N	0.3	N	0.3
6	Manganese	D	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	2.3	Y	1.8	Y	1.9
7	Selenium	TR	UG/L		Y	2	Y	0.7	Y	1.6
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	4170	Y	4120	Y	4220
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

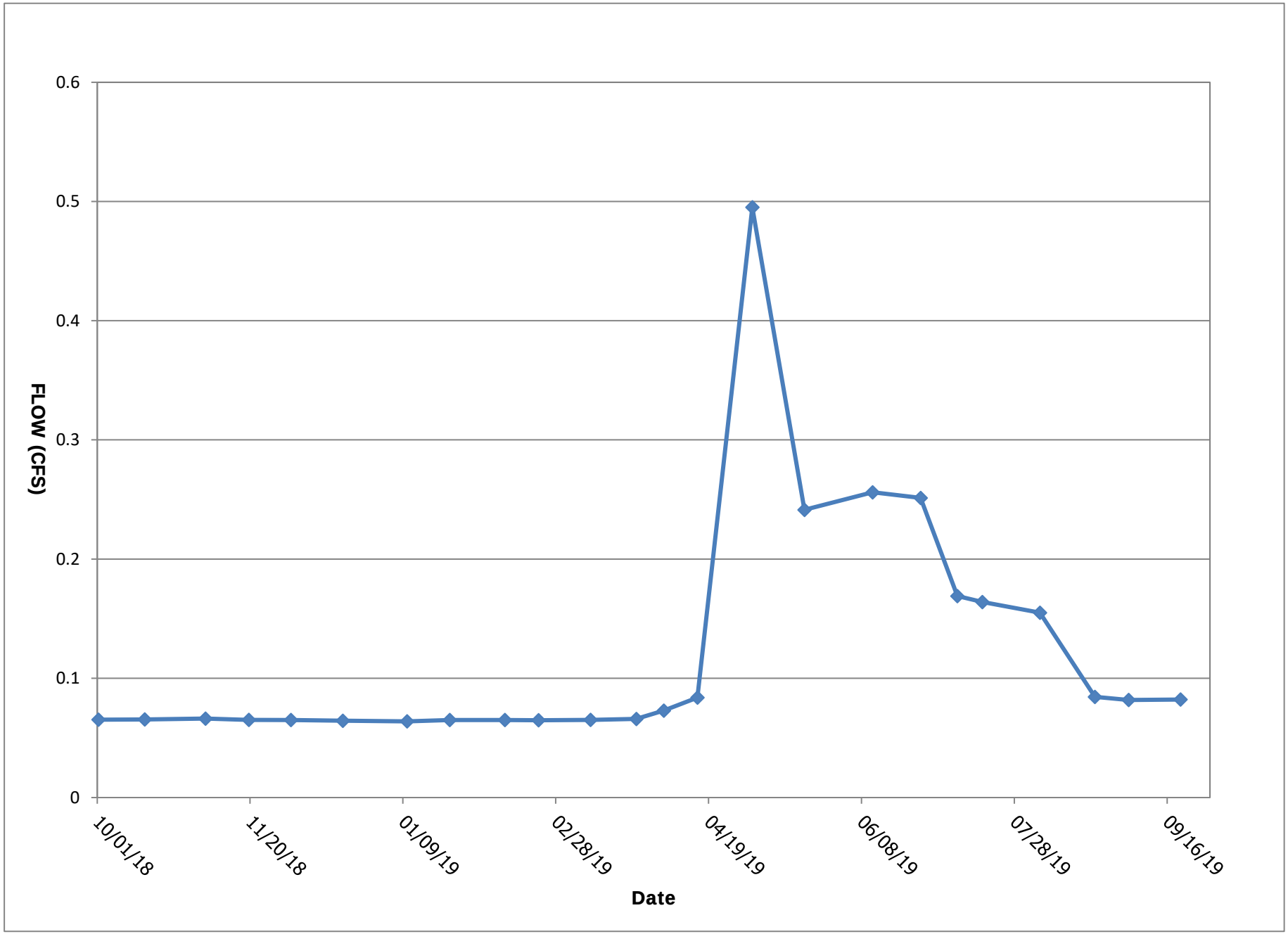
				loc_report_order	5	5		5	
				Location Code	SSSPG1	SSSPG1		SSSPG1	
				sys_sample_code	3002_SSSPG1_04042019	3002_SSSPG1_04152019		3002_SSSPG1_05032019	
				Site ID					
				Date	4/4/2019	4/15/2019		5/3/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	32.7	Y	37.6	Y	222.2
2	pH, Field	N	S.U.		Y	7.63	Y	7.24	Y	7.48
3	Temperature, Field	N	C		Y	3.7	Y	8.7	Y	8.6
4	Specific Conductivity, Field	N	UMHOS/CM		Y	2784	Y	3692	Y	3428
5	Iron	TR	MG/L		N	0.1	N	0.2	N	0.2
6	Manganese	D	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	2.6	Y	11	Y	12.8
7	Selenium	TR	UG/L		Y	1.5	Y	9.1	Y	12.3
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	3940	Y	3620	Y	3390
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	5	5		5	
				Location Code	SSSPG1	SSSPG1		SSSPG1	
				sys_sample_code	3002_SSSPG1_05032019A	3002_SSSPG1_05202019		3002_SSSPG1_06112019A	
				Site ID					
				Date	5/3/2019	5/20/2019		6/11/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	222.2	Y	108.3	Y	115
2	pH, Field	N	S.U.		Y	7.48	Y	7.31	Y	7.27
3	Temperature, Field	N	C		Y	8.6	Y	8.8	Y	13.8
4	Specific Conductivity, Field	N	UMHOS/CM		Y	3428	Y	3590	Y	3805
5	Iron	TR	MG/L				N	0.2	N	0.2
6	Manganese	D	MG/L						Y	0.0112
7	Selenium	D	UG/L		Y	11.5			Y	7.9
7	Selenium	PD	UG/L				Y	9.4	Y	7.4
7	Selenium	TR	UG/L		Y	12.2	Y	9.1	Y	7.1
8	Solids, Total Suspended	N	MG/L						Y	5
9	Total Dissolved Solids, Lab	N	MG/L		Y	3380	Y	3460	Y	3650
15	Mercury	T	UG/L						N	1
19	Solids, Settleable	N	ML/L				N	0.5		

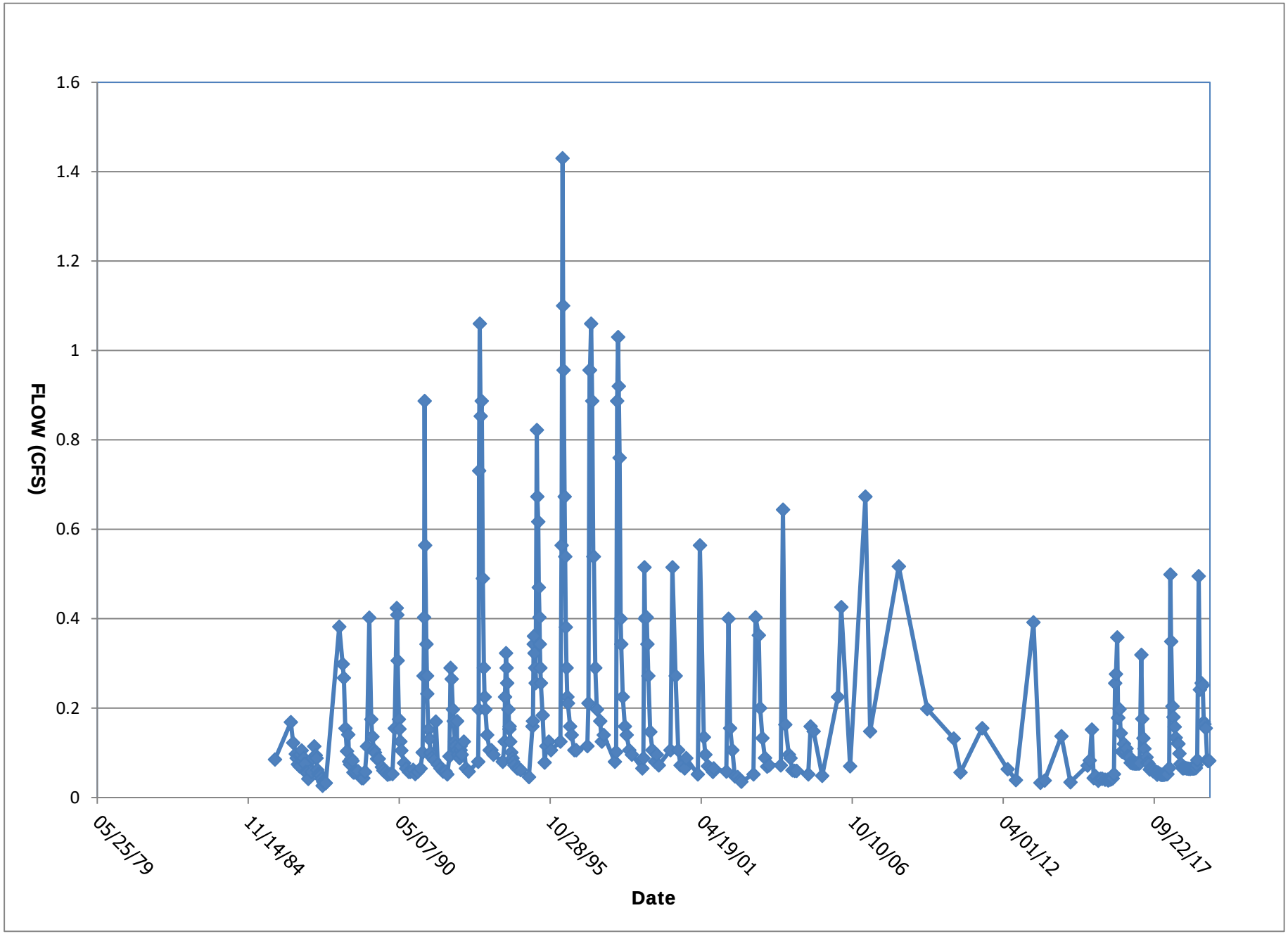
				loc_report_order	5	5		5	
				Location Code	SSSPG1	SSSPG1		SSSPG1	
				sys_sample_code	3002_SSSPG1_06112019B	3002_SSSPG1_06272019		3002_SSSPG1_07092019	
				Site ID					
				Date	6/11/2019	6/27/2019		7/9/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	115	Y	112.8	Y	75.9
2	pH, Field	N	S.U.		Y	7.27	Y	7.31	Y	7.4
3	Temperature, Field	N	C		Y	13.8	Y	11.8	Y	12.1
4	Specific Conductivity, Field	N	UMHOS/CM		Y	3805	Y	3793	Y	3833
5	Iron	TR	MG/L		N	0.2	N	0.2	N	0.2
6	Manganese	D	MG/L							
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	7.4	Y	5.6	Y	5.4
7	Selenium	TR	UG/L		Y	6.9	Y	5.8	Y	5
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	3680	Y	3700	Y	3760
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

				loc_report_order	5	5		5	
				Location Code	SSSPG1	SSSPG1		SSSPG1	
				sys_sample_code	3002_SSSPG1_07172019	3002_SSSPG1_07172019A		3002_SSSPG1_08052019	
				Site ID					
				Date	7/17/2019	7/17/2019		8/5/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	73.6	Y	73.6	Y	69.6
2	pH, Field	N	S.U.		Y	7.31	Y	7.31	Y	7.41
3	Temperature, Field	N	C		Y	16.2	Y	16.2	Y	13.2
4	Specific Conductivity, Field	N	UMHOS/CM		Y	3917	Y	3917	Y	3940
5	Iron	TR	MG/L		N	0.2			N	0.2
6	Manganese	D	MG/L							
7	Selenium	D	UG/L				Y	5.4		
7	Selenium	PD	UG/L		Y	5.7			Y	4.7
7	Selenium	TR	UG/L		Y	5.2	Y	4.9	Y	4.7
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	3820	Y	3720	Y	3850
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5			N	0.5

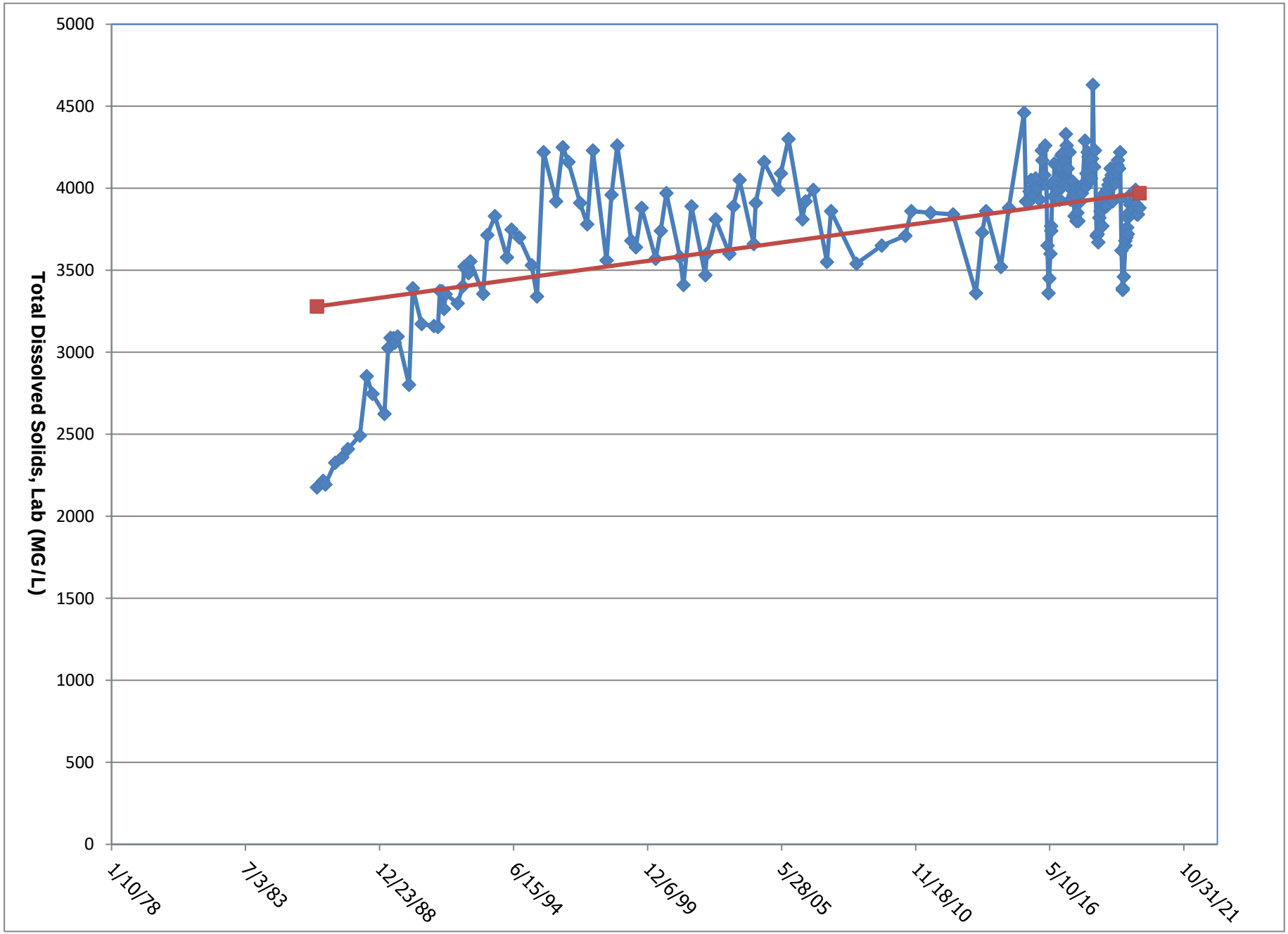
				loc_report_order	5	5	5	5	5
				Location Code	SSSPG1	SSSPG1	SSSPG1	SSSPG1	SSSPG1
				sys_sample_code	3002_SSSPG1_08232019	3002_SSSPG1_08232019	3002_SSSPG1_09032019	3002_SSSPG1_09032019	3002_SSSPG1_09202019
				Site ID					
				Date	8/23/2019	8/23/2019	9/3/2019	9/3/2019	9/20/2019
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	37.9	Y	36.7	Y	36.9
2	pH, Field	N	S.U.	Y	7.31	Y	7.47	Y	7.43
3	Temperature, Field	N	C	Y	11.6	Y	11.9	Y	12.6
4	Specific Conductivity, Field	N	UMHOS/CM	Y	3957	Y	3962	Y	4038
5	Iron	TR	MG/L	N	0.2	N	0.2	N	0.2
6	Manganese	D	MG/L						
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	Y	4.2	Y	4.1	Y	3.6
7	Selenium	TR	UG/L	Y	4.2	Y	4.2	Y	3.4
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	3900	Y	3910	Y	3970
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5	N	0.5



Water Year Water Discharge Hydrograph
SSPG1



Period of Record Water Discharge Hydrograph
SSPG1



Period of Record TDS Trend Plot
SSPG1

			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_10012018		3002_SSSPG2_10162018		3002_SSSPG2_11052018	
			Site ID						
			Date	10/1/2018		10/16/2018		11/5/2018	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	1.1	Y	1.2	Y	2.2
2	pH, Field	N	S.U.	Y	8.42	Y	8.76	Y	8.73
3	Temperature, Field	N	C	Y	12.8	Y	10.1	Y	4.8
4	Specific Conductivity, Field	N	UMHOS/CM	Y	5056	Y	4858	Y	4891
5	Iron	TR	MG/L	Y	0.3	N	0.1	N	0.1
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L	Y	0.21				
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	Y	0.7	Y	0.7	Y	0.8
7	Selenium	TR	UG/L	N	0.5	N	0.5	N	0.5
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	5140	Y	4990	Y	4800
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L						

			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_11192018		3002_SSSPG2_12032018		3002_SSSPG2_12202018	
			Site ID						
			Date	11/19/2018		12/3/2018		12/20/2018	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	1.8	Y	1.4	Y	0.9
2	pH, Field	N	S.U.	Y	8.68	Y	8.53	Y	8.06
3	Temperature, Field	N	C	Y	1.4	Y	1.4	Y	1.3
4	Specific Conductivity, Field	N	UMHOS/CM	Y	5108	Y	5077	Y	2511
5	Iron	TR	MG/L	N	0.1	Y	0.4	N	0.1
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	N	0.5	N	0.5	Y	4.8
7	Selenium	TR	UG/L	N	0.5	N	0.5	N	0.5
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	4920	Y	4820	Y	4780
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L						

			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_01102019		3002_SSSPG2_01242019		3002_SSSPG2_02112019	
			Site ID						
			Date	1/10/2019		1/24/2019		2/11/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0.9	Y	0	Y	0
2	pH, Field	N	S.U.	Y	7.9				
3	Temperature, Field	N	C	Y	1				
4	Specific Conductivity, Field	N	UMHOS/CM	Y	2424				
5	Iron	TR	MG/L	Y	0.2				
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L	Y	0.116				
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	N	1				
7	Selenium	TR	UG/L	Y	0.5				
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	4560				
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L	N	0.5				

			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_02222019		3002_SSSPG2_03112019		3002_SSSPG2_03262019	
			Site ID						
			Date	2/22/2019		3/11/2019		3/26/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	0	Y	0	Y	0
2	pH, Field	N	S.U.						
3	Temperature, Field	N	C						
4	Specific Conductivity, Field	N	UMHOS/CM						
5	Iron	TR	MG/L						
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L						
7	Selenium	TR	UG/L						
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L						
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L						

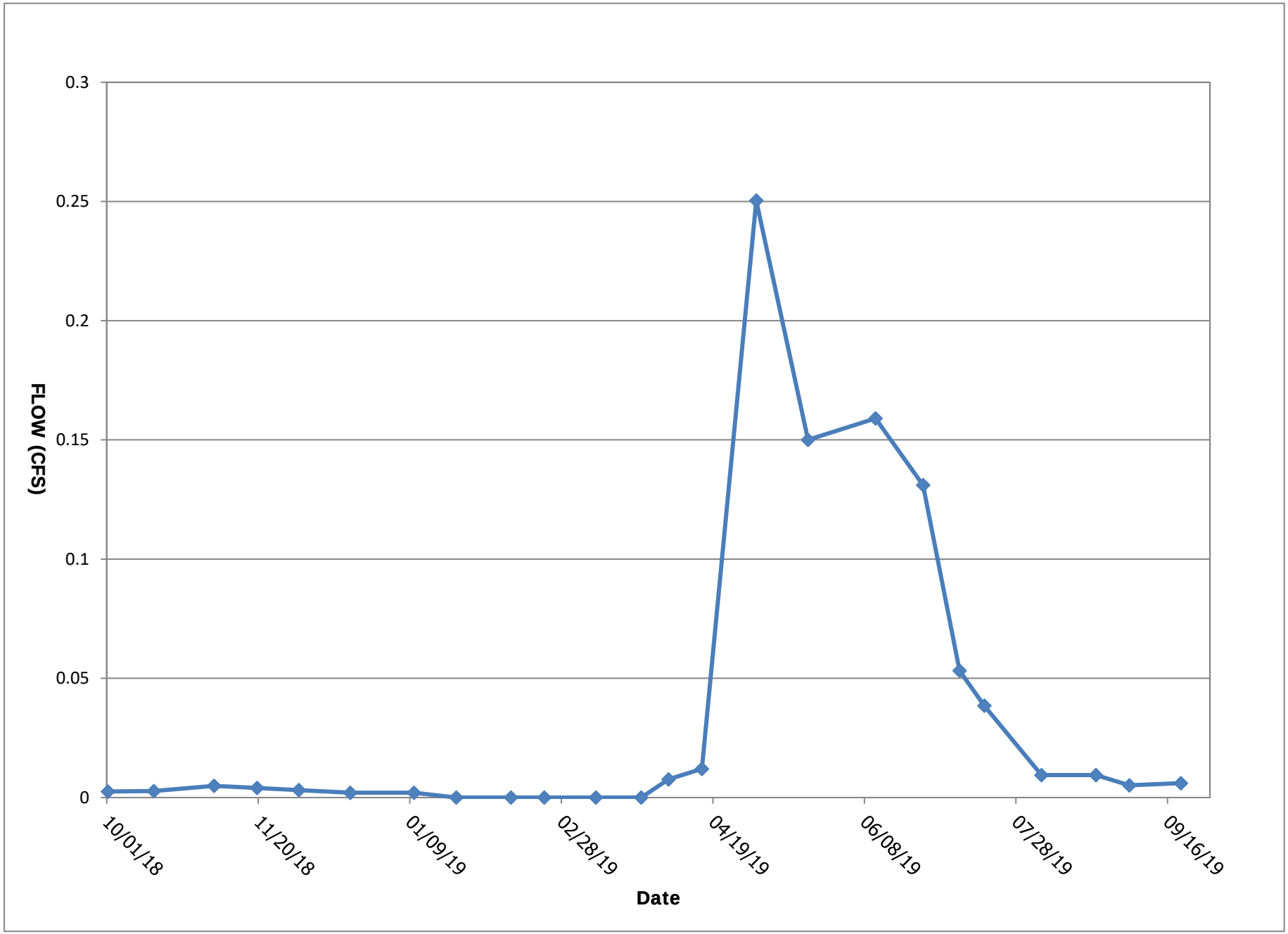
			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_04042019		3002_SSSPG2_04152019		3002_SSSPG2_05032019	
			Site ID						
			Date	4/4/2019		4/15/2019		5/3/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	3.4	Y	5.6	Y	112.4
2	pH, Field	N	S.U.	Y	7.94	Y	8.21	Y	8.09
3	Temperature, Field	N	C	Y	2.5	Y	6.5	Y	5.9
4	Specific Conductivity, Field	N	UMHOS/CM	Y	5640	Y	3848	Y	3687
5	Iron	TR	MG/L	N	0.1	N	0.2	N	0.2
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L	Y	0.02				
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	Y	1.6	Y	9.2	Y	6.8
7	Selenium	TR	UG/L	Y	1	Y	8.3	Y	6.7
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	3780	Y	3750	Y	3460
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5	N	0.5

			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_05032019A		3002_SSSPG2_05202019		3002_SSSPG2_06112019A	
			Site ID						
			Date	5/3/2019		5/20/2019		6/11/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	112.4	Y	69	Y	71.2
2	pH, Field	N	S.U.	Y	8.09	Y	8.05	Y	8.02
3	Temperature, Field	N	C	Y	5.9	Y	7.2	Y	18.1
4	Specific Conductivity, Field	N	UMHOS/CM	Y	3687	Y	3994	Y	4354
5	Iron	TR	MG/L			N	0.2	Y	0.2
6	Manganese	D	MG/L					Y	0.0486
6	Manganese	PD	MG/L						
7	Selenium	D	UG/L	Y	6.4			Y	2.5
7	Selenium	PD	UG/L			Y	3.2	Y	2.1
7	Selenium	TR	UG/L	Y	6.8	Y	3.7	Y	1.9
8	Solids, Total Suspended	N	MG/L					Y	16
9	Total Dissolved Solids, Lab	N	MG/L	Y	3630	Y	3860	Y	4320
15	Mercury	T	UG/L					N	1
19	Solids, Settleable	N	ML/L			N	0.5		

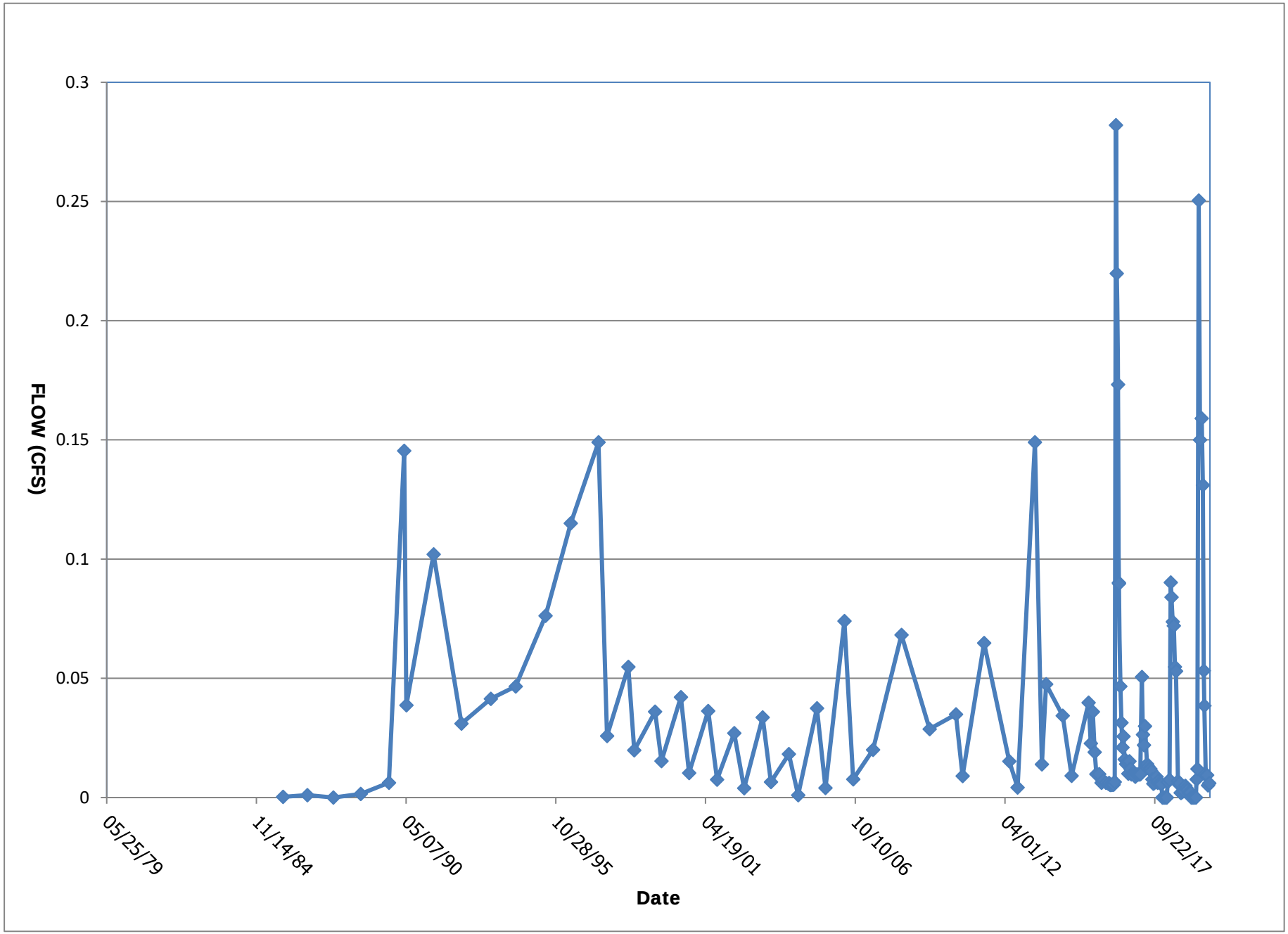
				loc_report_order	4	4		4	
				Location Code	SSSPG2	SSSPG2		SSSPG2	
				sys_sample_code	3002_SSSPG2_06112019B	3002_SSSPG2_06272019		3002_SSSPG2_07092019	
				Site ID					
				Date	6/11/2019	6/27/2019		7/9/2019	
report_order	Parameter	Fraction	Units		Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM		Y	71.2	Y	58.6	Y	23.9
2	pH, Field	N	S.U.		Y	8.02	Y	8.08	Y	8.23
3	Temperature, Field	N	C		Y	18.1	Y	11	Y	12
4	Specific Conductivity, Field	N	UMHOS/CM		Y	4354	Y	4321	Y	4364
5	Iron	TR	MG/L		N	0.4	N	0.4	N	0.4
6	Manganese	D	MG/L							
6	Manganese	PD	MG/L						N	0.3
7	Selenium	D	UG/L							
7	Selenium	PD	UG/L		Y	2	Y	1.7	Y	1.7
7	Selenium	TR	UG/L		Y	2	Y	1.9	Y	1.7
8	Solids, Total Suspended	N	MG/L							
9	Total Dissolved Solids, Lab	N	MG/L		Y	4410	Y	4390	Y	4440
15	Mercury	T	UG/L							
19	Solids, Settleable	N	ML/L		N	0.5	N	0.5	N	0.5

			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_07172019		3002_SSSPG2_07172019A		3002_SSSPG2_08052019	
			Site ID						
			Date	7/17/2019		7/17/2019		8/5/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	17.3	Y	17.3	Y	4.2
2	pH, Field	N	S.U.	Y	8.25	Y	8.25	Y	8.24
3	Temperature, Field	N	C	Y	21.5	Y	21.5	Y	15.8
4	Specific Conductivity, Field	N	UMHOS/CM	Y	4533	Y	4533	Y	4559
5	Iron	TR	MG/L	Y	0.2			N	0.4
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	D	UG/L			Y	1.5		
7	Selenium	PD	UG/L	Y	1.3			Y	0.8
7	Selenium	TR	UG/L	Y	1	Y	1.1	Y	1
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	4610	Y	4590	Y	4620
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L	N	0.5			N	0.5

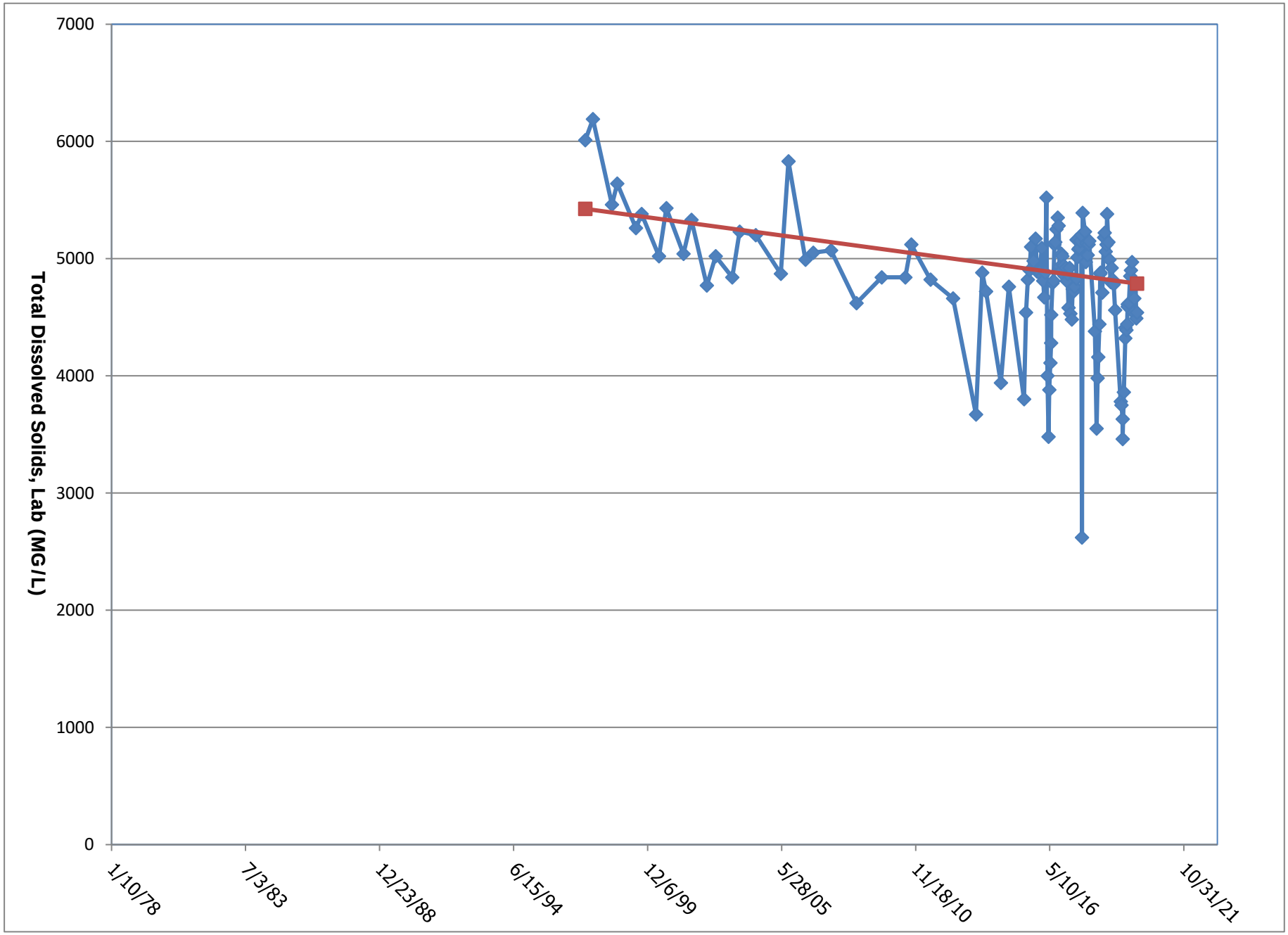
			loc_report_order	4		4		4	
			Location Code	SSSPG2		SSSPG2		SSSPG2	
			sys_sample_code	3002_SSSPG2_08232019		3002_SSSPG2_09032019		3002_SSSPG2_09202019	
			Site ID						
			Date	8/23/2019		9/3/2019		9/20/2019	
report_order	Parameter	Fraction	Units	Detection	Result	Detection	Result	Detection	Result
1	Flow	N	GPM	Y	4.2	Y	2.3	Y	2.7
2	pH, Field	N	S.U.	Y	8.07	Y	8.2	Y	8.13
3	Temperature, Field	N	C	Y	12.7	Y	11.6	Y	12.8
4	Specific Conductivity, Field	N	UMHOS/CM	Y	4675	Y	4745	Y	4772
5	Iron	TR	MG/L	N	0.4	N	0.4	Y	0.3
6	Manganese	D	MG/L						
6	Manganese	PD	MG/L						
7	Selenium	D	UG/L						
7	Selenium	PD	UG/L	Y	0.7	Y	0.7	N	1
7	Selenium	TR	UG/L	Y	0.8	Y	0.9	Y	0.8
8	Solids, Total Suspended	N	MG/L						
9	Total Dissolved Solids, Lab	N	MG/L	Y	4850	Y	4900	Y	4970
15	Mercury	T	UG/L						
19	Solids, Settleable	N	ML/L	N	0.5	N	0.5	N	0.5



Water Year Water Discharge Hydrograph
SSPG2



Period of Record Water Discharge Hydrograph
SSPG2

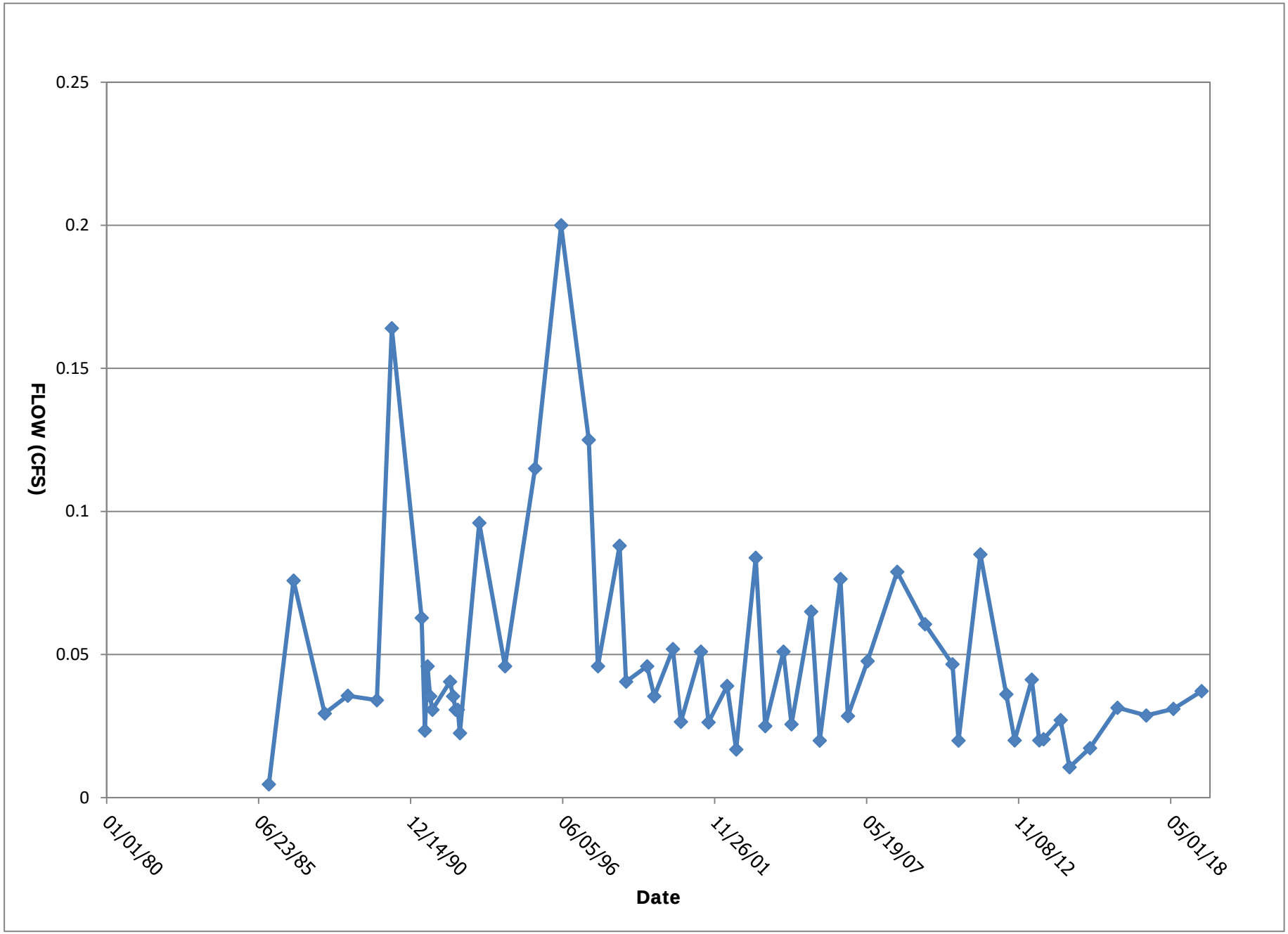


Period of Record TDS Trend Plot
SSPG2

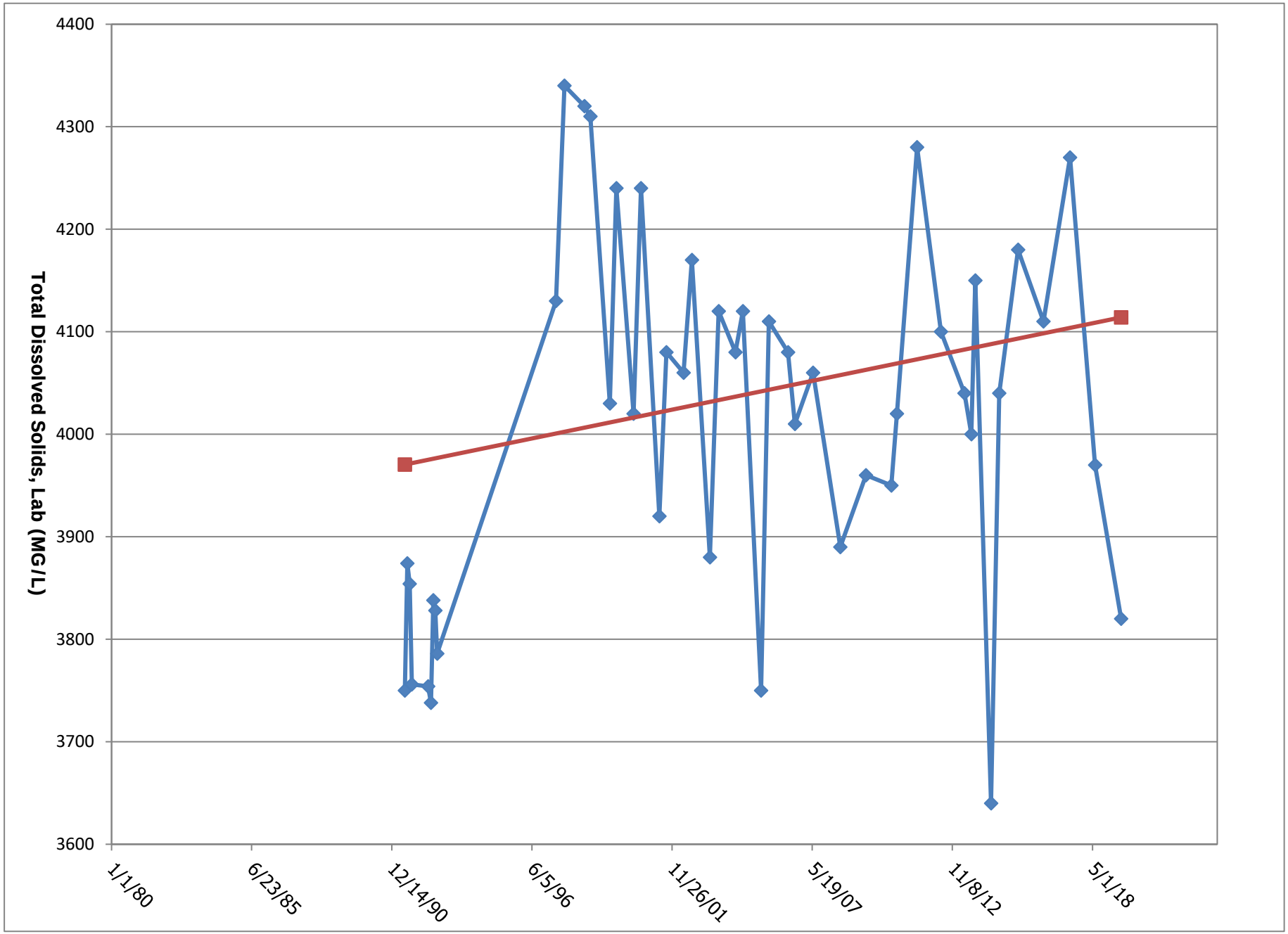
				loc_report_order Location Code Location Name	2 SSSPG3							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	11/4/1985	6/12/2019	58	21.6	16.09	92	2.08	16.27
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	9/25/1986	6/12/2019	57	3617	3800	4280	3.5	789.3
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	9/25/1986	6/12/2019	58	7.4	7.39	7.86	7.02	0.174
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	9/25/1986	6/6/2018	57	13.8	13.8	21.6	8	2.55
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	6/12/2019	6/12/2019	1	18.4	18.4	18.4	18.4	0
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/19/1991	6/4/2015	37	415	413	500	291	44.7
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/19/1991	6/4/2015	34	1.6	1	7	0.4	1.5
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	6/19/1991	4/29/2013	32	514	526	610	405	50
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	6/19/1991	6/4/2015	34	460	460	750	370	67
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	5/14/2014	6/4/2015	3	0.3	0.2	0.5	0.2	0.2
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	9/8/2005	9/9/2010	8	0.2	0.2	0.5	0.1	0.2
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	6/19/1991	5/19/2005	23	0.5	0.5	1	0.1	0.3
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	6/19/1991	6/4/2015	37	453	450	534	386	34.52
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	6/19/1991	4/29/2013	32	2	2	2	0	0.8
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/19/1991	6/4/2015	37	42.1	37	94	26.1	15.5
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	5/14/2014	6/4/2015	3	2	1	3	1	1
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	9/8/2005	9/9/2010	8	0.91	0.6	3	0.1	1
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	6/19/1991	5/19/2005	23	30	50	50	0.2	20
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/19/1991	6/4/2015	34	3750	3810	4530	2810	355
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	5/14/2014	6/4/2015	3	2	1	3	1	1
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	9/8/2005	9/9/2010	8	3.4	3.7	5	0.7	1.3
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	6/19/1991	5/19/2005	23	30	50	50	10	20
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/19/1991	6/4/2015	34	2672	2660	3010	2310	190.9
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	6/19/1991	5/19/2005	23	0.034	0.02	0.11	0.01	0.024
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	6/19/1991	9/9/2010	31	0.379	0.17	2.94	0.02	0.634
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	9/8/2005	6/12/2019	20	0.489	0.27	2.12	0.04	0.58
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	5/14/2014	6/4/2015	3	0.3	0.2	0.5	0.2	0.2
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	9/8/2005	9/9/2010	8	0.39	0.3	1.1	0.1	0.33
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	6/19/1991	5/19/2005	23	1.4	1	5	0.1	1.5
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	6/19/1991	6/4/2015	37	377.8	385	433	308	33.2
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	6/19/1991	6/12/2019	29	0.297	0.15	1.24	0.02	0.357
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	9/8/2005	6/6/2018	14	0.27	0.22	0.82	0.03	0.24

				loc_report_order Location Code Location Name	2 SSSPG3							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	6/19/1991	5/19/2005	23	0.34	0.15	1.32	0.03	0.413
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	5/19/2004	6/12/2019	23	0.2	0.2	1	0.2	0.2
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	6/19/1991	9/22/2003	20	0.2	0.2	0.2	0.1	0.05
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	5/14/2014	6/4/2015	3	20	20	20	8	7
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	9/8/2005	9/9/2010	8	30	20	50	10	20
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	6/19/1991	5/19/2005	23	40	50	50	10	20
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/19/1991	6/12/2019	43	0.125	0.05	1.97	0.05	0.295
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/19/1991	6/12/2019	43	4.97	4.53	12.1	0.03	2.42
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	6/19/1991	6/12/2019	43	0.02	0.01	0.07	0.01	0.02
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/19/1991	6/4/2015	34	7.8	7.8	8.3	7.2	0.3
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	6/19/1991	6/4/2015	37	10.4	10	13	8.8	0.959
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	6/23/2011	6/12/2019	12	4.7	3.2	14	1	4
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	9/8/2005	6/12/2019	16	3.81	3.15	10.9	0.9	2.75
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	6/19/1991	6/12/2019	33	2.7	1	10	1	2.7
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	5/14/2014	6/4/2015	3	0.2	0.1	0.3	0.1	0.1
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	9/8/2005	9/9/2010	8	0.1	0.08	0.3	0.05	0.1
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	6/19/1991	5/19/2005	23	0.5	0.5	0.9	0.05	0.2
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	6/19/1991	6/4/2015	37	134.8	131	206	95	32.14
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	6/19/1991	6/4/2015	34	1.17	1.11	1.84	0.82	0.304
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/19/1991	6/12/2019	46	2459	2464	2800	2196	141
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/19/1991	6/12/2019	43	0.03	0.02	0.2	0.01	0.03
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	5/14/2014	6/4/2015	3	0.02	0.02	0.03	0.01	0.01
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	9/8/2005	9/9/2010	8	0.03	0.02	0.05	0.01	0.02
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	6/19/1991	5/19/2005	23	0.04	0.05	0.07	0.01	0.02
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	6/19/1991	6/4/2015	36	-1.6	-1.1	3	-8.4	2.7
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	6/19/1991	6/12/2019	46	4015	4035	4340	3640	177.5
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	6/19/1991	6/4/2015	36	3752.76	3716	4130	3420	183.695
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	6/19/1991	6/12/2019	43	24.7	8	524	2	79.3

			loc_report_order	2	
			Location Code	SSSPG3	
			sys_sample_code	3002_SSSPG3_06122019	
			Site ID		
			Date	6/12/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	16.7
1	Specific Conductivity	N	UMHOS/CM	Y	3910
2	pH, Field	N	S.U.	Y	7.65
3	Temperature, Field	N	DEG-C	Y	18.4
18	Iron	TR	MG/L	Y	0.21
21	Manganese	D	MG/L	Y	0.115
22	Mercury	T	UG/L	N	1
24	Ammonia Nitrogen	N	MG/L	N	0.2
26	Nitrate Nitrogen	N	MG/L	Y	5.3
27	Nitrite Nitrogen	N	MG/L	Y	0.02
30	Selenium	D	UG/L	Y	6.4
30	Selenium	PD	UG/L	Y	6.4
30	Selenium	TR	UG/L	Y	5.7
34	Sulfates	N	MG/L	Y	2290
35	Sulfide	N	MG/L	N	0.1
39	Total Dissolved Solid	N	MG/L	Y	3820
41	Solids, Total Suspend	N	MG/L	Y	12



Period of Record Water Discharge Hydrograph
SSSPG3

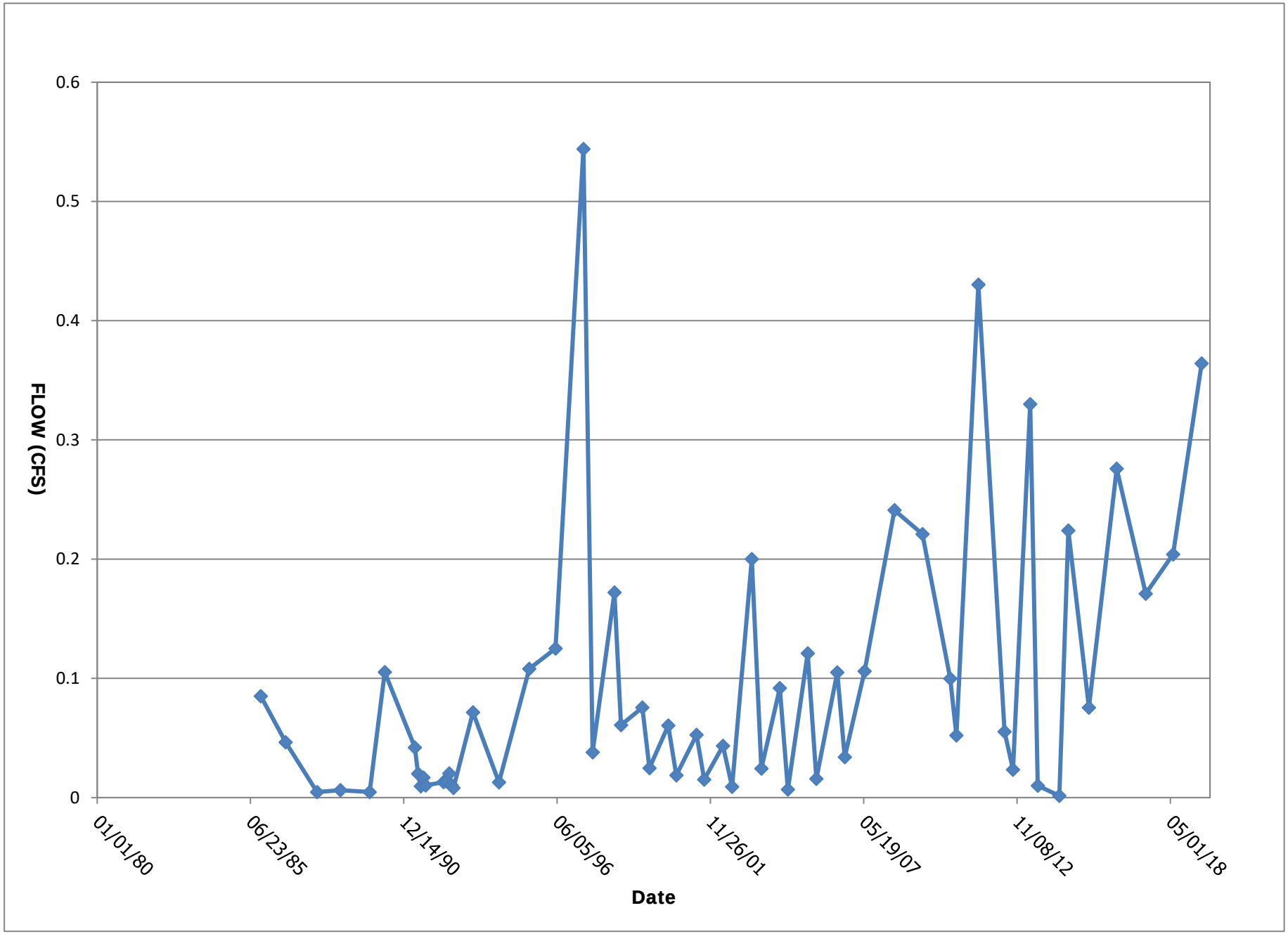


Period of Record TDS Trend Plot
SSSPG3

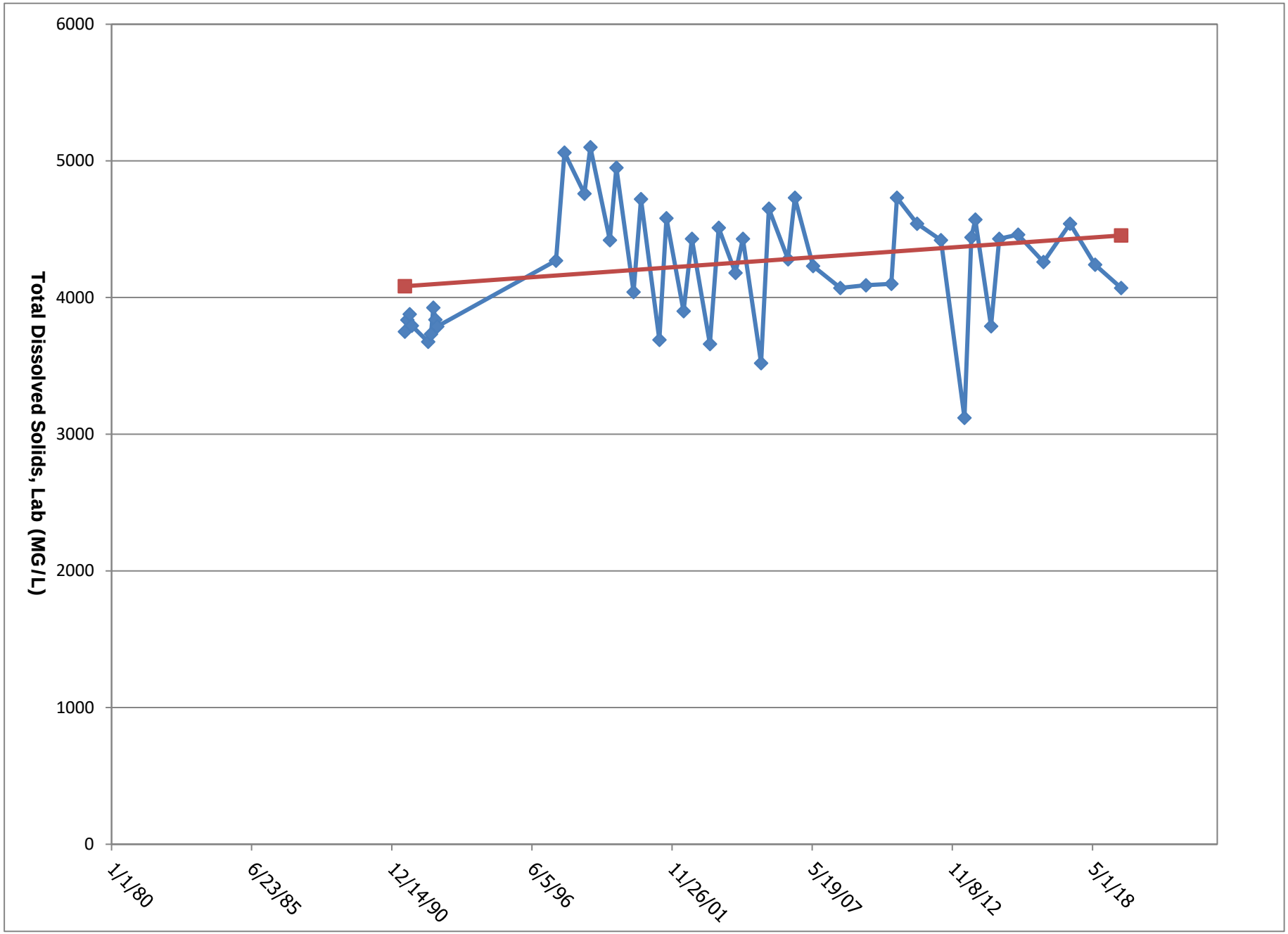
				loc_report_order Location Code Location Name	3 SSSPG4							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	11/4/1985	6/12/2019	57	42.209	23.4	244	0.69	51.976
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	11/4/1985	6/12/2019	57	3668	3830	4530	3.81	833.7
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	11/4/1985	6/12/2019	58	7.81	7.82	8.17	7.3	0.14
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	11/4/1985	6/6/2018	57	13.4	13.5	19.8	6	2.66
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	6/12/2019	6/12/2019	1	15.7	15.7	15.7	15.7	0
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/19/1991	6/4/2015	37	360	360	471	248	55.8
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/19/1991	6/4/2015	34	2	1	5	0.5	1
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	6/19/1991	4/29/2013	32	445	447	575	303	68.1
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	6/19/1991	6/4/2015	34	470	470	580	370	56
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	5/14/2014	6/4/2015	3	0.3	0.2	0.5	0.2	0.2
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	9/8/2005	9/9/2010	8	0.2	0.2	0.5	0.1	0.2
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	6/19/1991	5/19/2005	23	0.4	0.5	1	0.1	0.3
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	6/19/1991	6/4/2015	37	439.3	438	543	338	43.2
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	6/19/1991	4/29/2013	32	2.1	2	14	0	2.3
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/19/1991	6/4/2015	37	33.4	32	68	18	8.97
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	5/14/2014	6/4/2015	3	2	1	3	1	1
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	9/8/2005	9/9/2010	8	0.93	0.6	3	0.1	1.1
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	6/19/1991	5/19/2005	23	40	50	100	0.1	20
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/19/1991	6/4/2015	34	3870	3910	4820	2810	464
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	5/14/2014	6/4/2015	3	2	1	3	1	1
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	9/8/2005	9/9/2010	8	3.5	3.7	6	0.5	1.5
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	6/19/1991	5/19/2005	23	39	50	120	10	25
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/19/1991	6/4/2015	34	2847	2840	3570	2230	322.7
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	6/19/1991	5/19/2005	23	0.03	0.02	0.06	0.01	0.02
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	6/19/1991	9/9/2010	31	0.35	0.34	1.19	0.02	0.249
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	9/8/2005	6/12/2019	20	0.34	0.27	0.94	0.04	0.22
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	5/14/2014	6/4/2015	3	0.3	0.2	0.5	0.2	0.2
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	9/8/2005	9/9/2010	8	0.3	0.2	0.5	0.1	0.2
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	6/19/1991	5/19/2005	23	1.6	1	10	0.1	2.2
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	6/19/1991	6/4/2015	37	425.6	437	547	311	63.94
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	6/19/1991	6/12/2019	29	0.166	0.17	0.53	0.01	0.133
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	9/8/2005	6/6/2018	14	0.15	0.15	0.38	0.01	0.11

				loc_report_order Location Code Location Name	3 SSSPG4							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	6/19/1991	5/19/2005	23	0.22	0.21	0.55	0.01	0.15
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	5/19/2004	6/12/2019	23	0.2	0.2	1	0.2	0.2
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	6/19/1991	5/19/2004	21	0.2	0.2	0.2	0.1	0.05
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	5/14/2014	6/4/2015	3	20	20	20	8	7
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	9/8/2005	9/9/2010	8	30	20	50	10	20
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	6/19/1991	5/19/2005	23	40	50	90	10	20
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/19/1991	6/12/2019	43	0.316	0.06	7.63	0.05	1.16
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/19/1991	6/12/2019	43	8.76	8.7	20.4	0.89	4.49
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	6/19/1991	6/12/2019	43	0.032	0.02	0.15	0.01	0.031
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/19/1991	6/4/2015	34	8	8	8.4	7.6	0.2
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	6/19/1991	6/4/2015	37	10.1	10	14.2	7.2	1.56
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	6/23/2011	6/12/2019	12	12.6	8.55	29	4.4	8.96
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	9/8/2005	6/12/2019	16	10.2	7.5	33.5	3.3	7.52
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	6/19/1991	6/12/2019	33	6.71	5	30.1	1	6.8
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	5/14/2014	6/4/2015	3	0.2	0.1	0.3	0.1	0.1
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	9/8/2005	9/9/2010	8	0.1	0.08	0.3	0.05	0.1
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	6/19/1991	5/19/2005	23	0.54	0.5	2.5	0.05	0.48
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	6/19/1991	6/4/2015	37	132.3	124	191	75.2	30.83
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	6/19/1991	6/4/2015	34	1.12	1.07	1.75	0.71	0.277
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/19/1991	6/12/2019	46	2645	2590	3220	2100	296.8
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/19/1991	6/12/2019	43	0.03	0.02	0.1	0.02	0.02
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	5/14/2014	6/4/2015	3	0.02	0.02	0.02	0.01	0.006
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	9/8/2005	9/9/2010	8	0.03	0.03	0.05	0.01	0.02
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	6/19/1991	5/19/2005	23	0.042	0.05	0.13	0.01	0.026
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	6/19/1991	6/4/2015	36	-1.1	-0.79	4.4	-6.8	2.8
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	6/19/1991	6/12/2019	46	4222	4250	5100	3120	433
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	6/19/1991	6/4/2015	36	3971.82	3890	4666.26	3240	402.114
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	6/19/1991	6/12/2019	43	18.2	10	124	2	24.7

			loc_report_order	3	
			Location Code	SSSPG4	
			sys_sample_code	3002_SSSPG4_06122019	
			Site ID		
			Date	6/12/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	163.4
1	Specific Conductivity	N	UMHOS/CM	Y	4073
2	pH, Field	N	S.U.	Y	7.82
3	Temperature, Field	N	DEG-C	Y	15.7
18	Iron	TR	MG/L	N	0.4
21	Manganese	D	MG/L	Y	0.0234
22	Mercury	T	UG/L	N	1
24	Ammonia Nitrogen	N	MG/L	N	0.2
26	Nitrate Nitrogen	N	MG/L	Y	8.7
27	Nitrite Nitrogen	N	MG/L	N	0.05
30	Selenium	D	UG/L	Y	17.5
30	Selenium	PD	UG/L	Y	17.7
30	Selenium	TR	UG/L	Y	14.5
34	Sulfates	N	MG/L	Y	2810
35	Sulfide	N	MG/L	N	0.1
39	Total Dissolved Solid	N	MG/L	Y	4070
41	Solids, Total Suspend	N	MG/L	Y	10



Period of Record Water Discharge Hydrograph
SSSPG4



Period of Record TDS Trend Plot
SSSPG4

				loc_report_order Location Code Location Name	1 SSSPG5							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	11/4/1985	6/12/2019	73	108.71	58.33	641	11.11	125.49
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	11/4/1985	6/12/2019	73	3181	3520	4200	3.43	867.6
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	11/4/1985	6/12/2019	73	7.83	7.86	8.26	6.35	0.267
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	11/4/1985	6/14/2017	72	15.1	15.7	23	0.6	4.51
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	6/12/2019	6/12/2019	1	20.7	20.7	20.7	20.7	0
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/15/1988	6/4/2015	34	458	464	572	380	45.4
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/15/1988	6/4/2015	31	1	1	5	0.4	1
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	6/15/1988	4/29/2013	29	568	573	698	466	53.3
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	6/15/1988	6/4/2015	31	210	210	250	60	38
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	5/14/2014	6/4/2015	3	0.2	0.2	0.2	0.2	3E-17
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	9/8/2005	9/9/2010	8	0.2	0.2	0.2	0.1	0.05
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	6/15/1988	5/19/2005	20	1	0.5	5	0.1	2
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	6/15/1988	6/4/2015	34	439.1	442.9	544	271	54.16
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	6/15/1988	4/29/2013	29	2	2	2	0	0.6
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/15/1988	6/4/2015	34	28.5	27.5	58	17.9	8.68
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	5/14/2014	6/4/2015	3	1	1	1	1	0
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	9/8/2005	9/9/2010	8	0.5	0.5	1	0.1	0.4
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	6/15/1988	5/19/2005	20	30	20	50	0.1	20
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/15/1988	6/4/2015	31	3710	3780	4190	2730	360
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	5/14/2014	6/4/2015	3	1	1	1	1	0
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	9/8/2005	9/9/2010	8	3.1	3.6	5	0.6	1.5
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	6/15/1988	5/19/2005	20	30	20	50	10	20
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/15/1988	6/4/2015	31	2568	2580	3040	1621	289.4
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	6/15/1988	5/19/2005	20	0.03	0.03	0.06	0.01	0.02
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	6/15/1988	9/9/2010	28	0.065	0.06	0.12	0.02	0.029
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	9/8/2005	6/12/2019	20	0.086	0.06	0.4	0.04	0.079
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	5/14/2014	6/4/2015	3	0.2	0.2	0.2	0.2	3E-17
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	9/8/2005	9/9/2010	8	0.2	0.2	0.2	0.1	0.05
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	6/15/1988	5/19/2005	20	4.2	1	20	0.3	7
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	6/15/1988	6/4/2015	34	360.7	367.5	432	230	38
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	6/15/1988	6/12/2019	26	0.039	0.03	0.15	0.0096	0.032
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	9/8/2005	6/6/2018	14	0.04	0.04	0.1	0.01	0.03

				loc_report_order Location Code Location Name	1 SSSPG5							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	6/15/1988	5/19/2005	20	0.1	0.04	0.9	0.01	0.2
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	5/19/2004	6/12/2019	23	0.2	0.2	1	0.2	0.2
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	6/15/1988	5/19/2004	18	0.2	0.2	0.2	0.1	0.03
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	5/14/2014	6/4/2015	3	20	20	20	20	0
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	9/8/2005	9/9/2010	8	20	20	50	10	10
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	6/15/1988	5/19/2005	20	30	20	50	20	20
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/15/1988	6/12/2019	40	0.083	0.05	0.3	0.01	0.07
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/15/1988	6/12/2019	40	1.26	0.965	6.3	0.02	1.44
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	6/15/1988	6/12/2019	40	0.02	0.01	0.06	0.01	0.01
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/15/1988	6/4/2015	31	7.9	7.9	8.3	7.7	0.18
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	6/15/1988	6/4/2015	34	11.5	11.5	13	9	1.02
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	6/23/2011	6/12/2019	12	2.1	2	4	0.9	0.97
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	9/8/2005	6/12/2019	16	1.9	1.6	4.1	1	0.87
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	6/15/1988	6/12/2019	30	1.6	1.1	5	1	1
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	5/14/2014	6/4/2015	3	0.1	0.1	0.1	0.1	2E-17
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	9/8/2005	9/9/2010	8	0.08	0.08	0.1	0.05	0.03
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	6/15/1988	5/19/2005	20	2	0.5	10	0.05	4
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	6/15/1988	6/4/2015	34	151.2	151	230	89.8	35.89
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	6/15/1988	6/4/2015	31	1.36	1.37	2.51	0.78	0.363
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/15/1988	6/12/2019	40	2400	2430	2820	1760	214.6
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/15/1988	6/12/2019	40	0.03	0.02	0.3	0.01	0.05
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	5/14/2014	6/4/2015	3	0.03	0.02	0.04	0.02	0.01
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	9/8/2005	9/9/2010	8	0.02	0.02	0.05	0.01	0.01
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	6/15/1988	5/19/2005	20	0.03	0.02	0.05	0.01	0.02
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	6/15/1988	6/4/2015	33	-1.71	-2.3	3.4	-5.8	2.68
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	5/5/1988	6/12/2019	47	3741	3900	4280	2386	466.4
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	6/15/1988	6/4/2015	33	3681.11	3720	4130	2766	309.713
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	5/5/1988	6/12/2019	42	7.3	6	20	4	3.2

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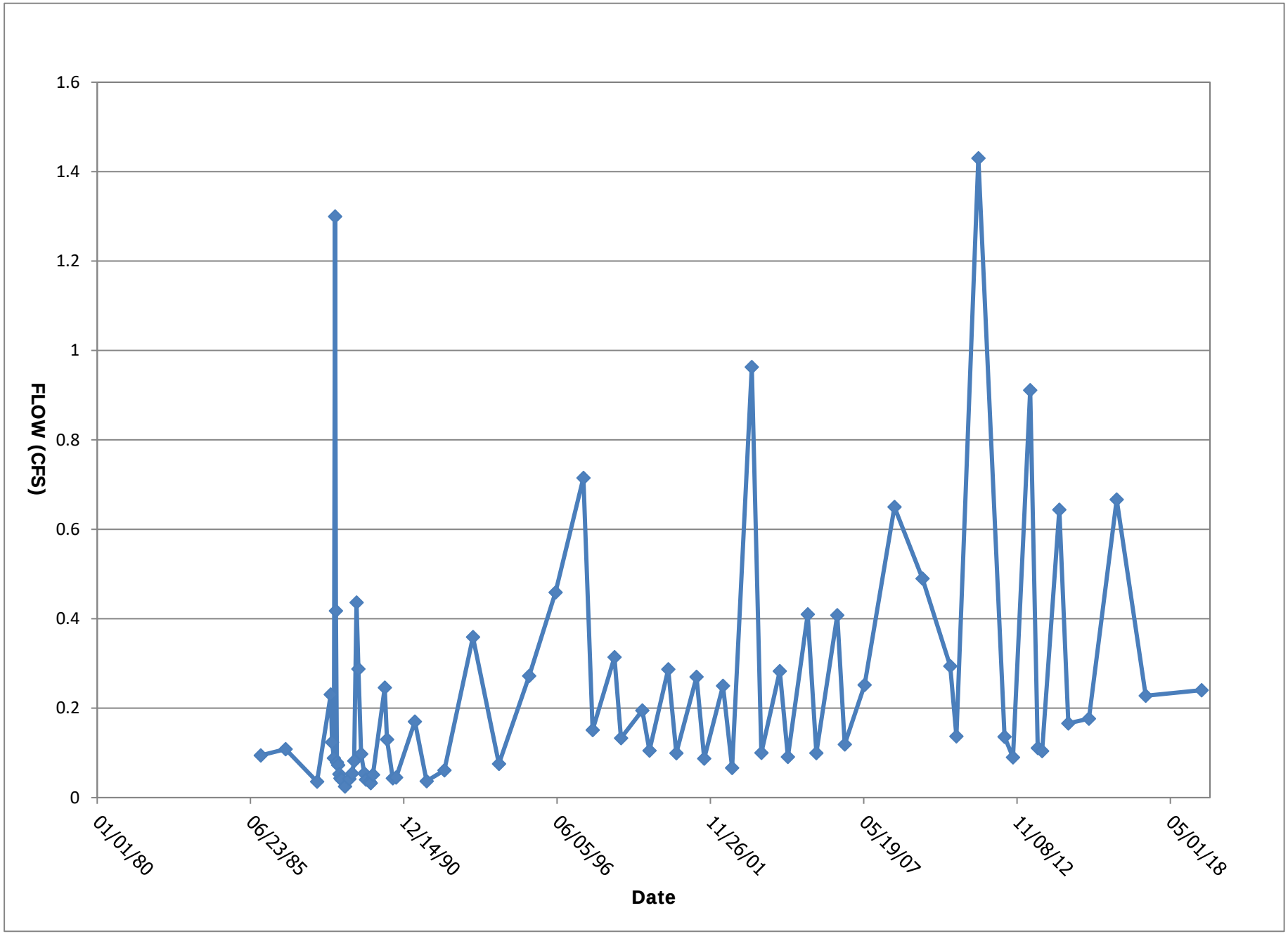
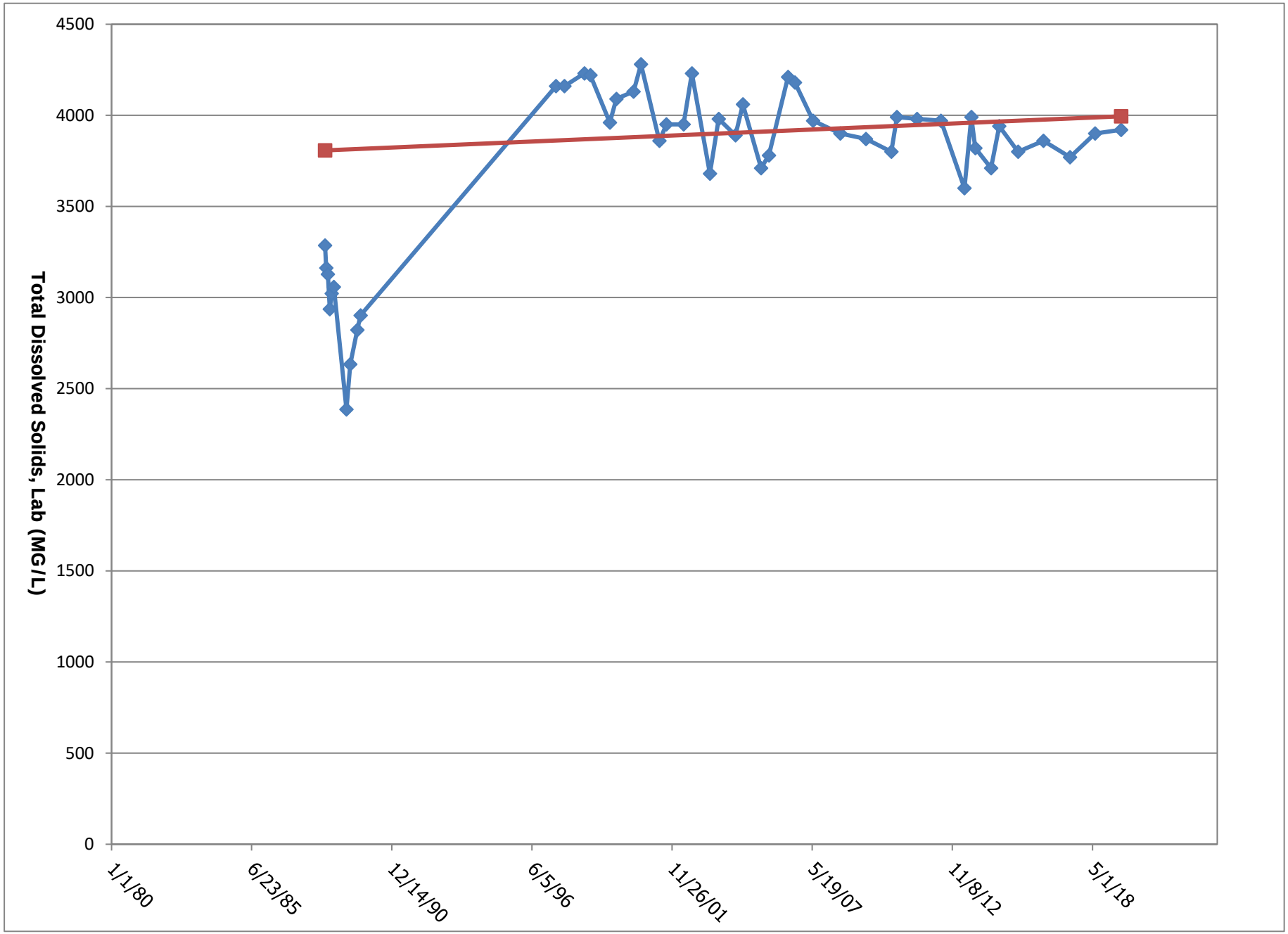
			Location Code	SSSPG5	
			sys_sample_code	3002_SSSPG5_06122019	
			Site ID		
			Date	6/12/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	107.8
1	Specific Conductivity	N	UMHOS/CM	Y	3971
2	pH, Field	N	S.U.	Y	7.81
3	Temperature, Field	N	DEG-C	Y	20.7
18	Iron	TR	MG/L	Y	0.04
21	Manganese	D	MG/L	Y	0.0096
22	Mercury	T	UG/L	N	1
24	Ammonia Nitrogen	N	MG/L	N	0.2
26	Nitrate Nitrogen	N	MG/L	Y	0.78
27	Nitrite Nitrogen	N	MG/L	Y	0.01
30	Selenium	D	UG/L	Y	2
30	Selenium	PD	UG/L	Y	2
30	Selenium	TR	UG/L	Y	1.9
34	Sulfates	N	MG/L	Y	2400
35	Sulfide	N	MG/L	N	0.1
39	Total Dissolved Solid	N	MG/L	Y	3920
41	Solids, Total Suspend	N	MG/L	Y	9



Period of Record Water Discharge Hydrograph
SSSPG5

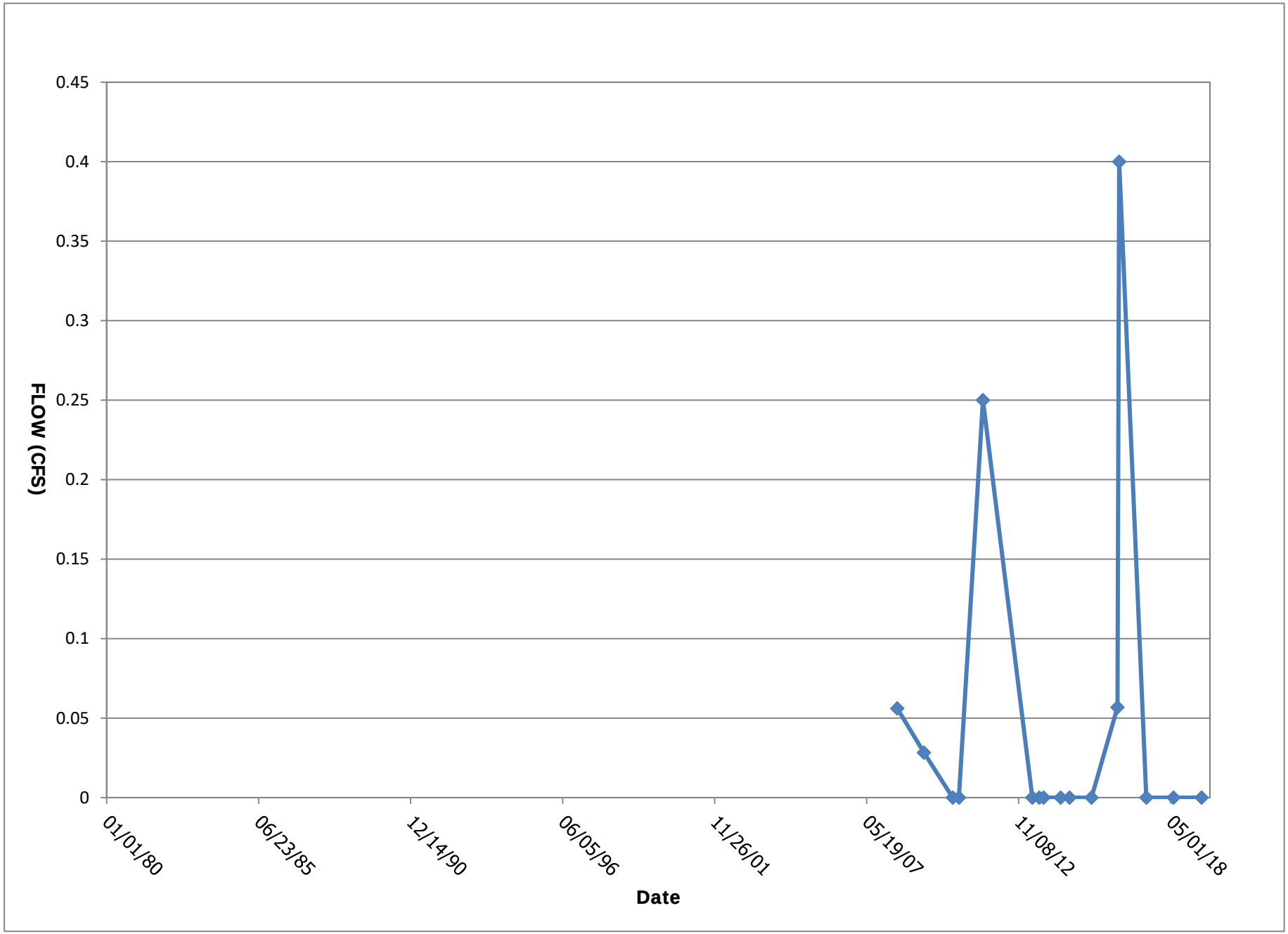


Period of Record TDS Trend Plot
SSSPG5

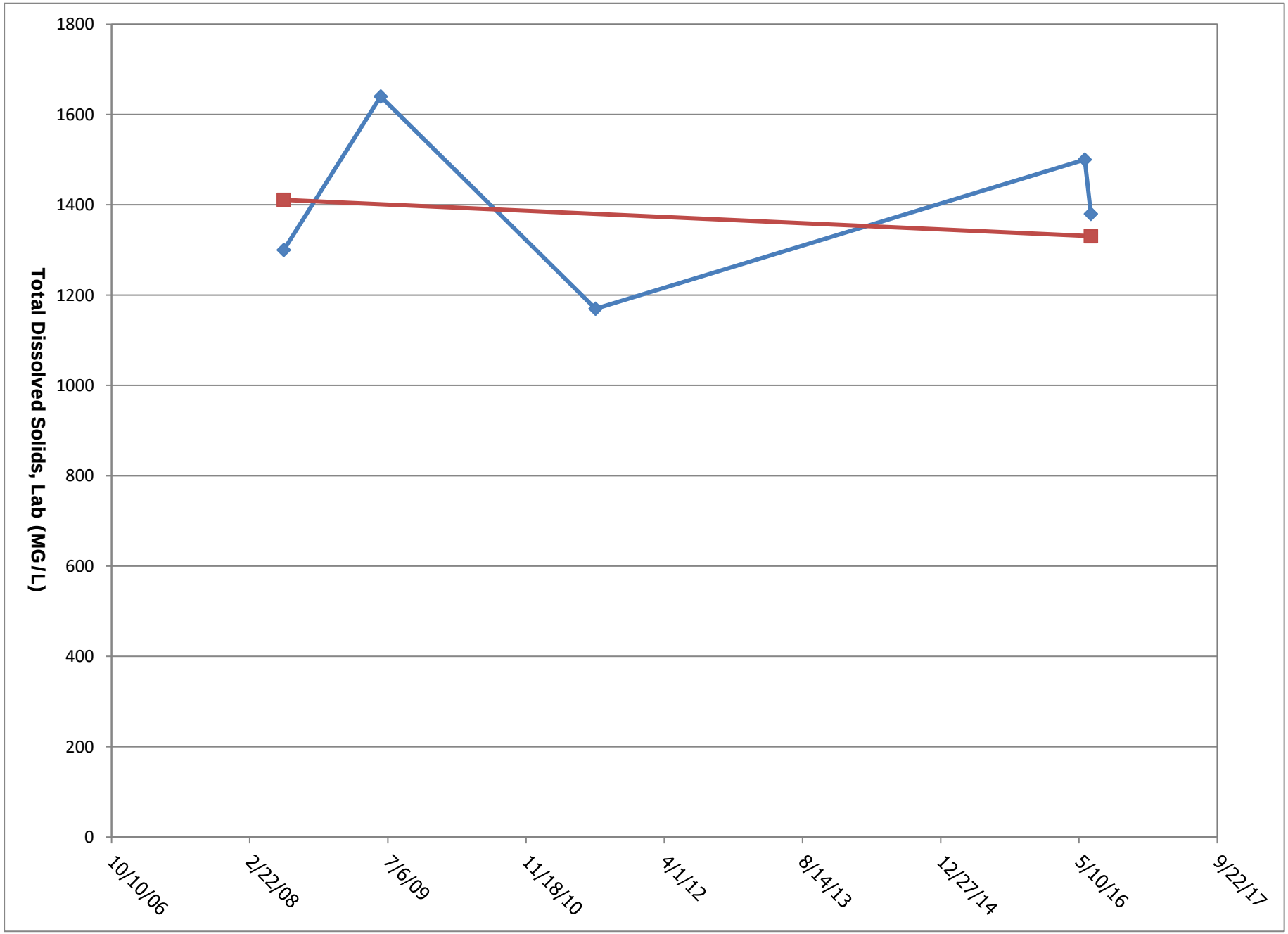
					loc_report_order Location Code Location Name		4 SSSPG6A					
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	6/24/2008	6/11/2019	16	22.2	0	180	0	50.7
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	6/24/2008	6/22/2016	5	1620	1710	1780	1320	196
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	6/24/2008	6/22/2016	5	8.15	8.25	8.43	7.6	0.323
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	6/24/2008	6/22/2016	5	16	16.1	19.9	12.4	2.67
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	6/24/2008	6/22/2016	5	147	146	160	129	12
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	6/24/2008	6/22/2016	5	0.6	0.6	0.7	0.5	0.1
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	6/24/2008	7/27/2011	3	163	158	177	153	12.7
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	6/24/2008	6/22/2016	5	80	80	90	70	8
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	5/31/2016	6/22/2016	2	0.2	0.2	0.2	0.2	0
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	6/24/2008	7/27/2011	3	0.1	0.1	0.1	0.1	2E-17
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	6/24/2008	6/22/2016	5	222	210	263	197	27.1
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	6/24/2008	7/27/2011	3	4	2	9	2	4
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	6/24/2008	6/22/2016	5	11.5	11.2	15	9	2.34
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	5/31/2016	6/22/2016	2	1	1	1	1	0
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	6/24/2008	7/27/2011	3	0.4	0.5	0.5	0.1	0.2
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	6/24/2008	6/22/2016	5	1590	1580	1800	1360	168
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	5/31/2016	6/22/2016	2	1	1	1	1	0
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	6/24/2008	7/27/2011	3	1.9	1.5	2.8	1.5	0.75
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	6/24/2008	6/22/2016	5	946	885	1140	834	125
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	6/24/2008	7/27/2011	3	0.29	0.11	0.7	0.07	0.35
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	6/24/2008	6/22/2016	5	0.22	0.08	0.69	0.07	0.27
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	5/31/2016	6/22/2016	2	0.2	0.2	0.2	0.2	0
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	6/24/2008	7/27/2011	3	0.2	0.1	0.3	0.1	0.1
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	6/24/2008	6/22/2016	5	95.1	87.6	118	83.2	14.3
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	5/31/2016	6/22/2016	2	0.03	0.03	0.05	0.01	0.03
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	6/24/2008	7/27/2011	3	0.02	0.01	0.03	0.01	0.01
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	6/24/2008	6/22/2016	5	0.2	0.2	0.2	0.2	0
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	5/31/2016	6/22/2016	2	8	8	8	8	0
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	6/24/2008	7/27/2011	3	10	10	10	10	0
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	6/24/2008	6/22/2016	5	0.05	0.05	0.05	0.05	0
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	6/24/2008	6/22/2016	5	0.066	0.03	0.19	0.02	0.072
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	6/24/2008	6/22/2016	5	0.01	0.01	0.03	0.01	0.009

				loc_report_order Location Code Location Name	4 SSSPG6A							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	6/24/2008	6/22/2016	5	8.4	8.3	8.6	8.3	0.13
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	6/24/2008	6/22/2016	5	4.1	4.4	4.7	3.5	0.55
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	5/31/2016	6/22/2016	2	1.3	1.3	1.4	1.1	0.21
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	6/24/2008	7/27/2011	3	1.2	1.1	1.6	1	0.32
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	5/31/2016	6/22/2016	2	1.3	1.3	1.5	1.1	0.28
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	5/31/2016	6/22/2016	2	0.1	0.1	0.1	0.1	0
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	6/24/2008	7/27/2011	3	0.05	0.05	0.05	0.05	8E-18
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	6/24/2008	6/22/2016	5	28.4	26.5	33.7	24.9	3.65
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	6/24/2008	6/22/2016	5	0.4	0.39	0.45	0.37	0.036
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	6/24/2008	6/22/2016	5	822	750	1020	660	158
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	6/24/2008	6/22/2016	5	0.02	0.02	0.02	0.02	0
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	5/31/2016	6/22/2016	2	0.01	0.01	0.01	0.01	0
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	6/24/2008	7/27/2011	3	0.01	0.01	0.01	0.01	0
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	6/24/2008	6/22/2016	5	-0.88	0	2.6	-6.7	3.5
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	6/24/2008	6/22/2016	5	1400	1380	1640	1170	181
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	6/24/2008	6/22/2016	5	1270	1180	1530	1060	198
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	6/24/2008	6/22/2016	5	7.6	6	15	5	4.2

			loc_report_order	4	
			Location Code	SSSPG6A	
			sys_sample_code	3002_SSSPG6A_06112019	
			Site ID		
			Date	6/11/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	0



Period of Record Water Discharge Hydrograph
SSSPG6A

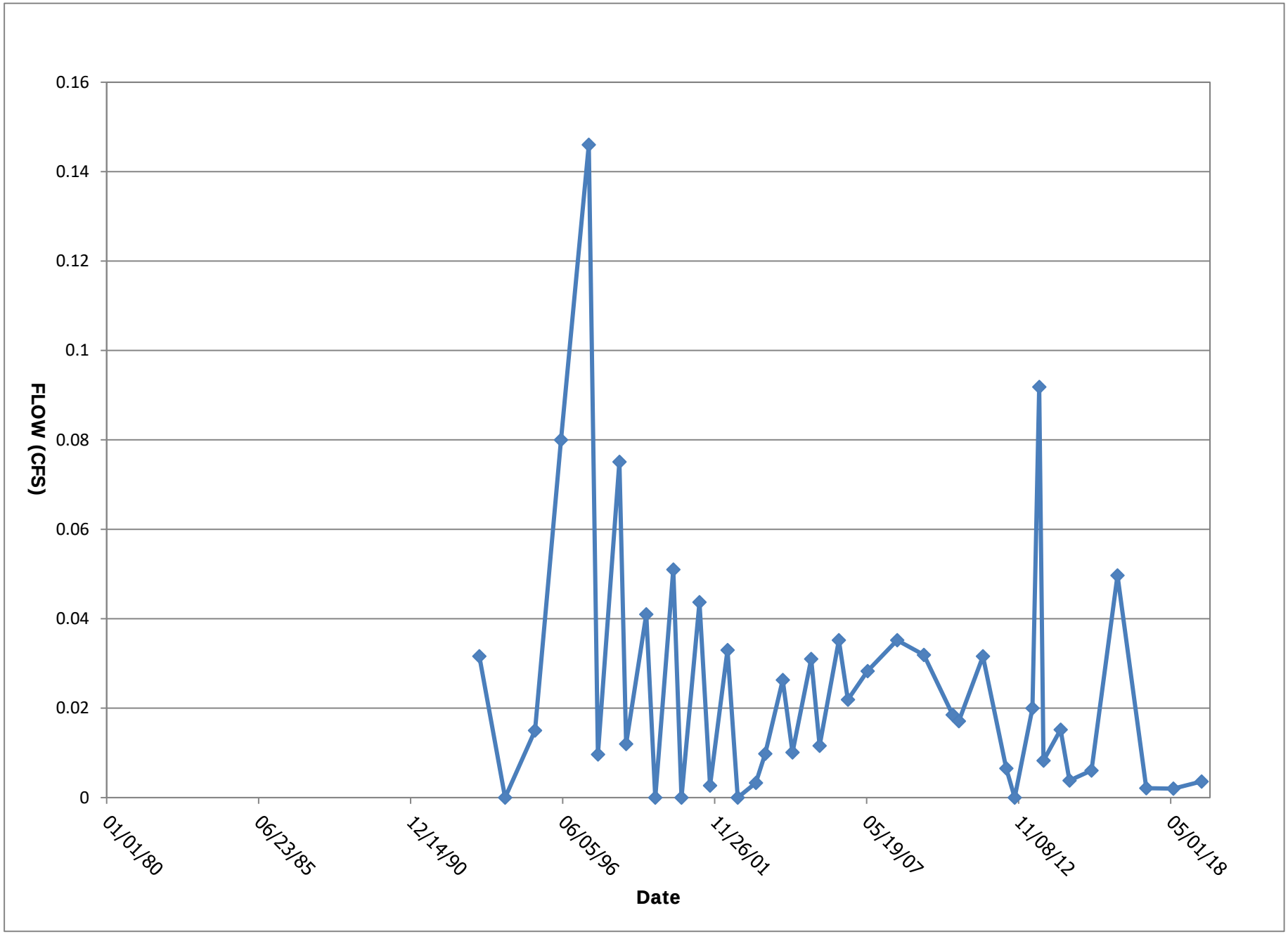


Period of Record TDS Trend Plot
SSSPG6A

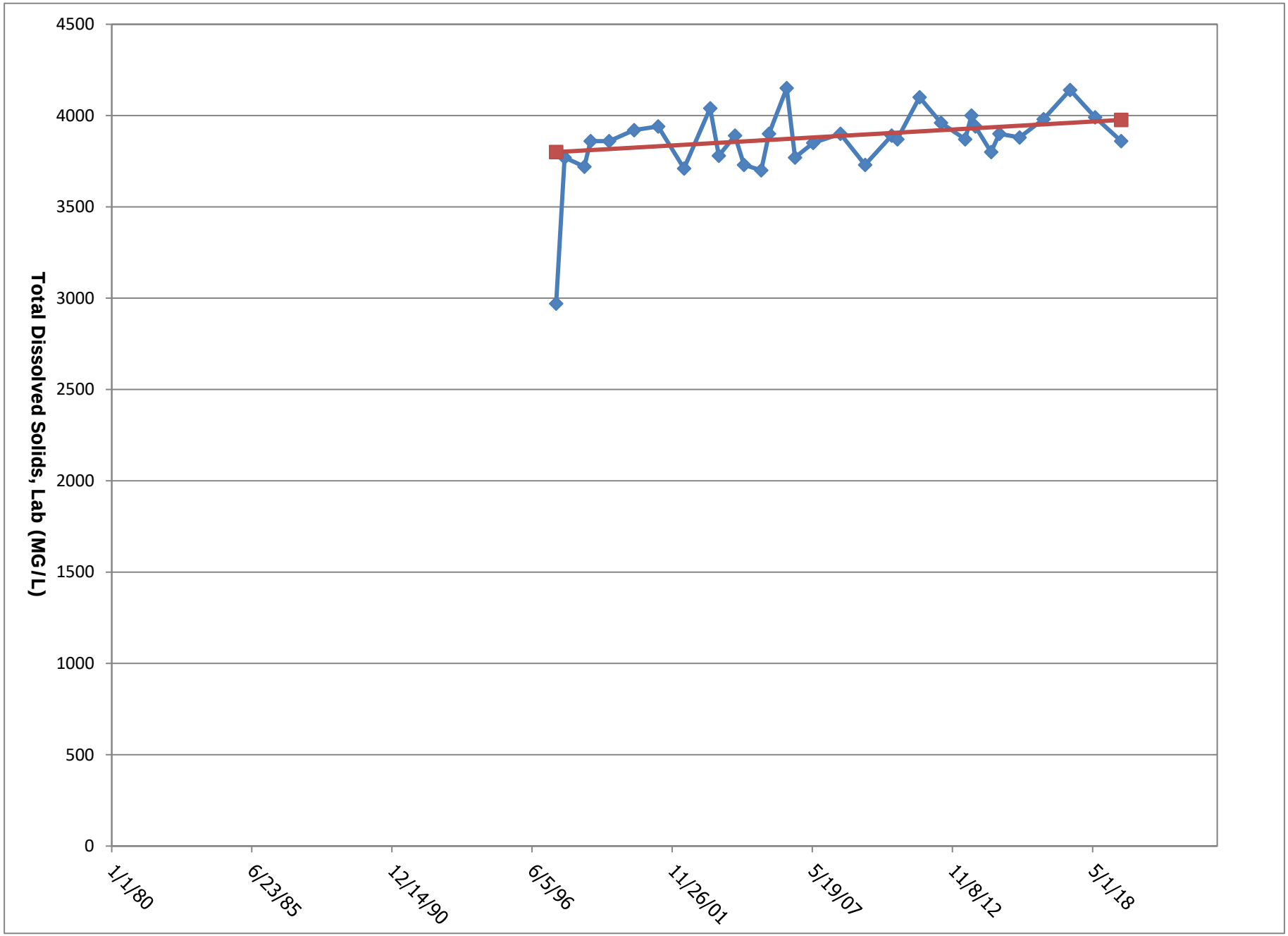
				loc_report_order Location Code Location Name	5 SSSPG10							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
42	3002 - AHR SW & SPR Long	Flow	N	GPM	6/4/1993	6/12/2019	42	11.35	7.265	65.5	0	13.18
1	3002 - AHR SW & SPR Long	Specific Conductivity, Field	N	UMHOS/CM	6/4/1993	6/12/2019	37	3315	3570	4120	3.37	1038
2	3002 - AHR SW & SPR Long	pH, Field	N	S.U.	6/4/1993	6/12/2019	37	8.05	8.21	8.41	6.35	0.507
3	3002 - AHR SW & SPR Long	Temperature, Field	N	C	6/4/1993	6/6/2018	36	15.3	15.5	23	5.9	4.39
3	3002 - AHR SW & SPR Long	Temperature, Field	N	DEG-C	6/12/2019	6/12/2019	1	21.6	21.6	21.6	21.6	0
4	3002 - AHR SW & SPR Long	Alkalinity as CaCO3, @ pH 4.5	N	MG/L	5/15/1997	6/24/2015	27	333	326	463	201	60.1
6	3002 - AHR SW & SPR Long	Arsenic	TR	UG/L	5/15/1997	6/24/2015	24	1	1	3	0.4	0.7
7	3002 - AHR SW & SPR Long	Bicarbonate as HCO3	N	MG/L	5/15/1997	5/8/2013	22	397	394	565	264	60.8
8	3002 - AHR SW & SPR Long	Boron	D	UG/L	5/15/1997	6/24/2015	24	150	150	190	50	30
9	3002 - AHR SW & SPR Long	Cadmium	D	UG/L	5/14/2014	6/24/2015	3	0.2	0.2	0.2	0.2	3E-17
9	3002 - AHR SW & SPR Long	Cadmium	PD	UG/L	9/7/2005	9/13/2010	8	0.2	0.1	0.5	0.1	0.1
9	3002 - AHR SW & SPR Long	Cadmium	TR	UG/L	5/15/1997	5/19/2005	13	0.5	0.5	1	0.1	0.2
10	3002 - AHR SW & SPR Long	Calcium	D	MG/L	5/15/1997	6/24/2015	27	495	494	553	430	31.5
11	3002 - AHR SW & SPR Long	Carbonate as CO3	N	MG/L	5/15/1997	5/8/2013	22	4.5	2	24	2	5.6
12	3002 - AHR SW & SPR Long	Chloride	N	MG/L	5/15/1997	6/24/2015	27	23.4	23	38	18	4.6
13	3002 - AHR SW & SPR Long	Chromium	D	UG/L	5/14/2014	6/24/2015	3	1	1	1	1	0
13	3002 - AHR SW & SPR Long	Chromium	PD	UG/L	9/7/2005	9/13/2010	8	0.4	0.4	1	0.1	0.3
13	3002 - AHR SW & SPR Long	Chromium	TR	UG/L	5/15/1997	5/19/2005	13	20	20	50	0.2	10
14	3002 - AHR SW & SPR Long	Specific Conductivity, Lab	N	UMHOS/CM	5/15/1997	6/24/2015	24	3530	3640	3950	2580	358
15	3002 - AHR SW & SPR Long	Copper	D	UG/L	5/14/2014	6/24/2015	3	1	1	1	1	0
15	3002 - AHR SW & SPR Long	Copper	PD	UG/L	9/7/2005	9/13/2010	8	3.4	3.7	5	0.7	1.3
15	3002 - AHR SW & SPR Long	Copper	TR	UG/L	5/15/1997	5/19/2005	13	20	20	50	10	9
17	3002 - AHR SW & SPR Long	Hardness	N	MG/L	5/15/1997	6/24/2015	24	2570	2580	2900	2220	185
18	3002 - AHR SW & SPR Long	Iron	D	MG/L	5/15/1997	5/19/2005	13	0.02	0.02	0.02	0.01	0.004
18	3002 - AHR SW & SPR Long	Iron	T	MG/L	5/15/1997	9/13/2010	21	0.09	0.04	0.44	0.02	0.1
18	3002 - AHR SW & SPR Long	Iron	TR	MG/L	9/7/2005	6/12/2019	20	0.18	0.065	0.85	0.02	0.23
19	3002 - AHR SW & SPR Long	Lead	D	UG/L	5/14/2014	6/24/2015	3	0.2	0.2	0.2	0.2	3E-17
19	3002 - AHR SW & SPR Long	Lead	PD	UG/L	9/7/2005	9/13/2010	8	0.2	0.1	0.7	0.1	0.2
19	3002 - AHR SW & SPR Long	Lead	TR	UG/L	5/15/1997	5/19/2005	13	0.8	1	2	0.1	0.5
20	3002 - AHR SW & SPR Long	Magnesium	D	MG/L	5/15/1997	6/24/2015	27	328	331	381	246	33.2
21	3002 - AHR SW & SPR Long	Manganese	D	MG/L	5/15/1997	6/12/2019	19	0.618	0.67	1.78	0.01	0.518
21	3002 - AHR SW & SPR Long	Manganese	PD	MG/L	9/7/2005	6/6/2018	14	1.7	0.635	7.14	0.01	2.48

					loc_report_order	5						
					Location Code	SSSPG10						
					Location Name							
report_ order	Type	Parameter	Fraction	Units	Start Date	End Date	Sample Count	Average	Median	Maximum	Minimum	Standard Deviation
21	3002 - AHR SW & SPR Long	Manganese	T	MG/L	5/15/1997	5/19/2005	13	0.861	0.74	2.11	0.04	0.522
22	3002 - AHR SW & SPR Long	Mercury	T	UG/L	9/15/2004	6/12/2019	22	0.2	0.2	1	0.2	0.2
22	3002 - AHR SW & SPR Long	Mercury	TR	UG/L	5/15/1997	5/10/2004	11	0.2	0.2	0.2	0.2	3E-17
23	3002 - AHR SW & SPR Long	Nickel	D	UG/L	5/14/2014	6/24/2015	3	20	20	20	20	0
23	3002 - AHR SW & SPR Long	Nickel	PD	UG/L	9/7/2005	9/13/2010	8	20	20	40	10	9
23	3002 - AHR SW & SPR Long	Nickel	TR	UG/L	5/15/1997	5/19/2005	13	30	20	80	20	20
24	3002 - AHR SW & SPR Long	Ammonia Nitrogen	N	MG/L	5/15/1997	6/12/2019	33	0.12	0.05	0.98	0.05	0.17
26	3002 - AHR SW & SPR Long	Nitrate Nitrogen	N	MG/L	5/15/1997	6/12/2019	33	0.255	0.03	4.82	0.02	0.845
27	3002 - AHR SW & SPR Long	Nitrite Nitrogen	N	MG/L	5/15/1997	6/12/2019	33	0.01	0.01	0.05	0.01	0.01
28	3002 - AHR SW & SPR Long	pH, Lab	N	S.U.	5/15/1997	6/24/2015	24	8.1	8.2	8.5	7.3	0.29
29	3002 - AHR SW & SPR Long	Potassium	D	MG/L	5/15/1997	6/24/2015	27	13.1	11.8	34.5	10	4.61
30	3002 - AHR SW & SPR Long	Selenium	D	UG/L	7/27/2011	6/12/2019	12	1	0.3	5	0.1	2
30	3002 - AHR SW & SPR Long	Selenium	PD	UG/L	9/7/2005	6/12/2019	15	0.5	0.2	5	0.1	1
30	3002 - AHR SW & SPR Long	Selenium	TR	UG/L	5/15/1997	6/12/2019	23	0.7	1	2	0.2	0.5
31	3002 - AHR SW & SPR Long	Silver	D	UG/L	5/14/2014	6/24/2015	3	0.1	0.1	0.1	0.1	2E-17
31	3002 - AHR SW & SPR Long	Silver	PD	UG/L	9/7/2005	9/13/2010	8	0.09	0.05	0.3	0.05	0.09
31	3002 - AHR SW & SPR Long	Silver	TR	UG/L	5/15/1997	5/19/2005	13	0.4	0.5	0.5	0.05	0.2
32	3002 - AHR SW & SPR Long	Sodium	D	MG/L	5/15/1997	6/24/2015	27	112	113	150	82.1	19.9
33	3002 - AHR SW & SPR Long	Sodium Adsorption Ratio	N	RATIO	5/15/1997	6/24/2015	24	0.993	1.05	1.3	0.71	0.18
34	3002 - AHR SW & SPR Long	Sulfates	N	MG/L	5/15/1997	6/12/2019	33	2430	2460	2770	1870	164
35	3002 - AHR SW & SPR Long	Sulfide	N	MG/L	5/15/1997	6/12/2019	33	0.08	0.02	2	0.02	0.3
37	3002 - AHR SW & SPR Long	Zinc	D	MG/L	5/14/2014	6/24/2015	3	0.02	0.02	0.03	0.02	0.006
37	3002 - AHR SW & SPR Long	Zinc	PD	MG/L	9/7/2005	9/13/2010	8	0.01	0.01	0.02	0.01	0.005
37	3002 - AHR SW & SPR Long	Zinc	TR	MG/L	5/15/1997	5/19/2005	13	0.02	0.02	0.05	0.02	0.01
38	3002 - AHR SW & SPR Long	Cation / Anion Balance	N	%	5/15/1997	6/24/2015	27	-0.86	-0.9	4.5	-5.5	3
39	3002 - AHR SW & SPR Long	Total Dissolved Solids, Lab	N	MG/L	5/15/1997	6/12/2019	33	3860	3880	4150	2970	198
40	3002 - AHR SW & SPR Long	Total Dissolved Solids (Calculated)	N	MG/L	5/15/1997	6/24/2015	26	3580	3620	4010	2850	218
41	3002 - AHR SW & SPR Long	Solids, Total Suspended	N	MG/L	5/15/1997	6/12/2019	33	12	5	64	5	12

			loc_report_order	5	
			Location Code	SSSPG10	
			sys_sample_code	3002_SSSPG10_06122019	
			Site ID		
			Date	6/12/2019	
report_order	Parameter	Fraction	Units	Detection	Result
42	Flow	N	GPM	Y	1.6
1	Specific Conductivity	N	UMHOS/CM	Y	3969
2	pH, Field	N	S.U.	Y	8.2
3	Temperature, Field	N	DEG-C	Y	21.6
18	Iron	TR	MG/L	N	0.2
21	Manganese	D	MG/L	Y	0.0208
22	Mercury	T	UG/L	N	1
24	Ammonia Nitrogen	N	MG/L	N	0.2
26	Nitrate Nitrogen	N	MG/L	N	0.1
27	Nitrite Nitrogen	N	MG/L	N	0.05
30	Selenium	D	UG/L	Y	0.1
30	Selenium	PD	UG/L	Y	0.2
30	Selenium	TR	UG/L	Y	0.2
34	Sulfates	N	MG/L	Y	2540
35	Sulfide	N	MG/L	N	0.1
39	Total Dissolved Solid	N	MG/L	Y	3860
41	Solids, Total Suspend	N	MG/L	Y	5



Period of Record Water Discharge Hydrograph
SSSPG10



Period of Record TDS Trend Plot
SSSPG10