2021 Annual Hydrology Report for Trapper Mine
Year End Review

A. Climatological Data

The 2021 National Weather Service Cooperative monthly summaries and the historical precipitation summary (1978-2021) are included in Section 2.5. For the year of 2021 precipitation totaled 12.02", providing 89 percent of the established historical pre-mining (44-YR) annual precipitation mean and 73 percent of the project-to-date annual precipitation mean (Figure 2-1). The highest monthly precipitation amount was recorded in December (1.84") with the second and third highest totals occurring in October and May (1.72" and 1.39", respectively). Conversely the lowest monthly precipitations occurred in July, June and January at 0.25", 0.31" and 0.56".

B. Pit Dewatering and Consumptive Water Use for 2021

During 2021, Trapper dewatered approximately 2.65 acre-feet of water from L-Pit, 29.15 acre feet from N-Pit, 2.94 acre feet from I-Pit and 38.06 acre-feet of water from G-Pit and N-Pit dewatering wells. (Table 1-1 of Section 2.5 sub-section 1.0 shows the pumping volumes for each activity). The dewatering wells are expected to produce at approximately the same rates for 2022. All pit water was routed into the NPDES drainage system with resulting discharges monitored accordingly when pumped off site. In 2021, all of the pumped water was utilized on haulroads for dust suppression.

Approximately 160.65 acre-feet of water was used for dust suppression on haul roads and topsoil handling operations in 2021. This value decreased slightly this year compared to last year but is around the average from the past few years. The majority of this water was utilized from A-Pit where water has been stored in the inactive pit. Dust suppression water demands continue to be offset by the successful application of dust suppression chemical treatments on haulroads. Haul routes were similar in 2021 to 2020 routes. Life-of-mine Haulroad is still the primary route for coal delivery to the Craig Station. Continued activity in the eastern portion of the mine accounts for the majority of dust suppression water usage. Total water volume used by Trapper Mine in 2021 was approximately 233 acre-feet, a decrease over 2020 consumption at 269 acre feet.

C. Mining Advancement and Ash Disposal Sites

The 2021 Annual Reclamation maps (see Trapper's 2021 annual report), the Water-Level Elevation maps 2-1, 2-2 and 2-3 (included in this report), and permit Map M52 (see mine permit) depict the following mining activities through year-end:

a) Project to date utility waste disposal sites.
b) Project to date pit advancement (toe of pit).
c) Project to date monitoring wells, and natural and spoil springs and seeps. In the 2021 report, all applicable spring and seep sites within the permit area are depicted to provide location information for future reference.

D. Monitoring Points

Refer to Map M52 in the mine permit for locations of all the operational hydrologic monitoring points.

E. 2021 Hydrological Data

Hydro-Engineering Inc.'s collation of the 2021 hydrological data for Trapper Mine is submitted following this discussion, and addresses:

a. Groundwater ..... Sections 2.0-3.6
   (1) Groundwater level figures and tables ..... Appendix A
   (2) Groundwater quality figures and tables ..... Appendix B
   (3) Piezometric surface maps for the major aquifers ..... Maps 2-1 thru 2-3
   (4) Springs data ..... Appendix B

b. Surface water ..... Sections 4.0-5.3
   (1) Surface-water quality figures and tables ..... Appendix C
   (2) Flow measurement figures ..... Appendix C
   (3) Flow vs TSS vs time figures ..... Appendix C
   (4) Conductivity vs flow vs time figures ..... Appendix C

c. Observed impacts on the hydrologic systems ..... Section 6.0

Included with the 2021 Hydrology Report is an index sheet to keep the basic well data and aquifer information available to the reader. This index may be used as a reference and also a "bookmark" as the section is reviewed.

F. Trends

Hydro-Engineering's Section 6.0 discusses the observed impacts on the hydrologic systems of Trapper Mine. Four surface water monitoring sites experienced discharge during 2021. Peak flows occurred at most sites in early March. Average snowpack remained on the site until mid-March when warmer temperatures reduced it to nearly zero by the end of the month at lower elevations. Snowmelt remained at the higher elevations until mid-April. Runoff from the site was moderate due to unfrozen soils and good infiltration. The late spring precipitation was below average in April and May. with the months of June and July resulting in average rainfall. June through November were significantly dry with the exception of average rainfall in October. August and December were significantly above average. Hydro-Engineering's Section 6.0 discussion provides details concerning 2021 trends. Overall, Trapper continues to have little effect on the local hydrologic regime.

G. Spring Sampling (2021)

Trapper conducted spring sampling throughout the permit area during 2021. Data from this monitoring is presented in the 2021 Annual Hydrology Report Appendix B Table B-2. Spring and Seep locations are shown on Map M52 in the mine permit. Only those springs with flows exceeding 5 gpm are sampled for full suite analysis in accordance with the approved monitoring program.

H. WET Testing Results

In 2021, no NPDES outfall had Acute WET tests performed as required by NPDES Permit CO-0032115. In accordance with our NPDES permit only those drainages that receive pit dewatering or spoil spring contributions are required to undergo WET testing. Pit de-watering discharges did not pass through any active outfall and all potential spoil springs on the site have been bond released and no longer require monitoring.

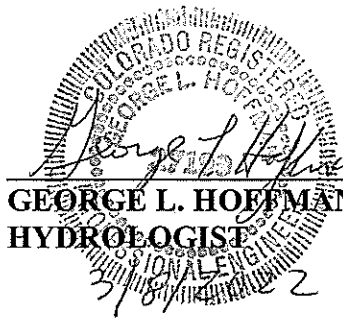
2021
ANNUAL HYDROLOGIC REPORT

PREPARED FOR:

TRAPPER MINING, INC.

BY:

HYDRO-ENGINEERING, L.L.C.
MARCH, 2022



GEORGE L. HOFFMAN, P.E.
HYDROLOGIST

BRANDON WEAVER

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1.0 INTRODUCTION

This report presents the ground-water and surface-water monitoring results for Trapper Mine for 2021. Mining activities during 2021 include continued expansion of the L and N pits and the initial removal of coal in the I Pit West. All other pits were not mined during 2021. Pit dewatering was conducted in the L, N and I Pits in 2021. Well dewatering was used in 2021 in the G/L and F/N pit areas in 2021 and these volumes of water and pit dewatering volumes are presented in Table 1-1.

Ground-water monitoring of the aquifers associated with Trapper Mine started in 1974 and well data for the monitoring wells is presented in Table 1-2. The ground-water flow regime has been divided into the major sandstones and coal/adjacent sandstone aquifers. This division of the aquifer systems was selected at clay and shale units, which have the potential to retard vertical movement. Figure 1-1 presents the schematic of the aquifer units at Trapper and is useful with the basic well data table in Table 1-2. The 1st White Sandstone and the F coal seam were added to the top of Figure 1-1. The monitoring data tabulations presented in Appendices A, B and C give only the last ten years of data. Appendix D is a CD of this report with all of the historical monitoring data in its Appendices A, B and C. Aquifer properties are presented in Table 2-1 of the 1990 Annual Hydrologic Report.

The Twenty Mile Sandstone is the first major sandstone below the mined coal seam at Trapper Mine. The U coal seam and adjacent sandstones is a minor aquifer between the mined coal seams and the Twenty Mile Sandstone. The Q and R coal seams and sandstone between these two coal seams have been labeled the QR aquifer. This is one of the major aquifers of interest because C, D, E, F, G, K, L, N and Z pits have mined the Q and/or R coal seams, currently the L pit mines the Q and R seams and the N pit mines the Q seam. The K, L, and M coal seams and the sandstones,

which are stratigraphically in this interval, are called the KLM aquifer. In 2021, the L pit mined the I1, I2, K Ryder, K, MK, LK, ML, M, MM, LM, Q, UQ, MQ, LQ and R seams while the N pit mined the ML, LL, M, Q Ryder and the Q seams. The KLM aquifer is above the QR aquifer, but below the HI aquifer. The H and I coal seams and sandstone between these two coals have been termed the HI aquifer and have been mined in the past in the A, B, F, G, K, L and Z pits, currently the L pit mines the H and I coal seams. The D pit previously mined the Q and R seams and the I and I1 seams. H pit mined the G seam. The 3rd White Sandstone (G coal and sandstone below) and 2nd White Sandstone (F coal and sandstone below) are monitored at five locations. The I pit started mining the F coal in 2021. The Lewis Shale was monitored at one location but well P3 was abandoned in 2016. The Coyote, Deacon, Johnson and Pyeatt Gulch alluvial aquifers are monitored at one site in each of these drainages while the Flume Gulch alluvium is monitored at two locations. The 2020 hydrologic monitoring report, Hydro-Engineering, LLC (2021), presents the discussion of the monitoring results through 2020. Table 1-2 provides basic well data for all wells monitored in 2021. Wells 81-03A, GE-1, GE-2, GE-3, GLUX-1 and GP-6 were not required to be monitored after the first half of 2006. Monitoring of wells GLEV-1, GLEV-2 and GLEV-3 which are located on the east side of the Trapper mine were started in 2015. Wells CY-1, CY-2, CY-3 and CY-A were drilled in 2020 and used with the re-starting of monitoring of well 81-03A to monitor the I and J pit areas.

Springs at Trapper Mine were monitored during 2021 in accordance with the approved monitoring plan. Springs with measured flows of greater than 5 gpm were sampled for full suite water quality parameters. Results of the 2021 spring monitoring are presented in Table B-2 in Appendix B.

Table 1-1 (page 1-5) presents the pit and well dewatering data and volume of water used for dust suppression for Trapper Mine for 2021. This data shows that water was pumped from the L, N and I Trapper Mine pits during 2021. Well dewatering was started in September of 2002 in the G pit and continued in the G/L pit in 2021 and was started in the F/N pit. The average well pumping rate for 2021 was 18.4 and 5.3 gpm for the G/L and F/N pit well dewatering respectively. This data is useful in interpreting water-level changes and consumptive use.

Surface-water flow and quality were monitored at Flume Gulch (S-1), Johnson, No Name, Middle Pyeatt, East Pyeatt, Oak, Horse, West Flume, Middle Flume, East Middle Flume, Deal Gulch, East Flume, Deacon Gulch, Deal Gulch #2 and Jeffway Gulch drainages during 2021. The Johnson, No Name, Middle Pyeatt, East Pyeatt, Oak, Horse, West Flume, Middle Flume, East Middle Flume, Deal Gulch, East Flume, Deacon Gulch, Deal Gulch #2 and Jeffway Gulch drainages are Trapper's NPDES discharge sites 001, 002, 009, 011, 017, 018, 019, 020, 021, 022, 023, 025, 026 and 027, respectively. Sites that had flowing water and were sampled during 2021 are Johnson, No Name, East Pyeatt and Middle Flume.

Some of the data could allow alternative interpretations and some of those interpretations may indicate hydrologic impacts that are significantly different from those presented in this report.

1.1 GROUND-WATER SETTING FOR PERMIT EXTENSION AREA

The geologic setting is the same for the permit extension area as that presented in the Trapper Permit. Three ground-water monitoring wells were added to the 2015 monitoring in the northeast corner of the permit addition area. These wells were completed in the R coal seam, alluvium and H coal seam in the permit extension area. Structure of the coal seams has been extended to cover the permit extension area. These structure maps show that the typical dip to

the north in the northeastern portion of the Trapper permit area is changing to the northwest in Section 28 T6N R90W. The water-level elevations were extended in the permit extension area accounting for the change in the dip of these beds from the north to the northwest.

1.2 GROUND-WATER SETTING FOR THE I AND J HWM AREA

The geologic setting for the high wall mining (HWM) in the I and J pit areas is the same as that was presented for the western portion of the Trapper Permit. Four new ground-water monitoring wells were added to the 2020 monitoring in the northwest corner of the permit area. These wells (CY-3, CY-2, CY-1 and CY-A) were completed in the 3rd White Sandstone, 2nd White Sandstone, 1st White Sandstone and Coyote alluvial aquifers in the northwest portion of the permit area. Monitoring of the 3rd White Sandstone well 81-03A was also re-initiated in 2020 for this area. The structure maps show that the typical dip is to the north in this portion of the Trapper permit area. The 2021 water-level elevations for the 3rd White Sandstone were adjusted for the additional data in this area of the permit. The heads in the new monitoring wells show that this area of the Trapper permit is a discharge area with heads in the 3rd and 2nd White Sandstones being larger than the heads in the 1st White Sandstone and alluvium causing groundwater to move upward.

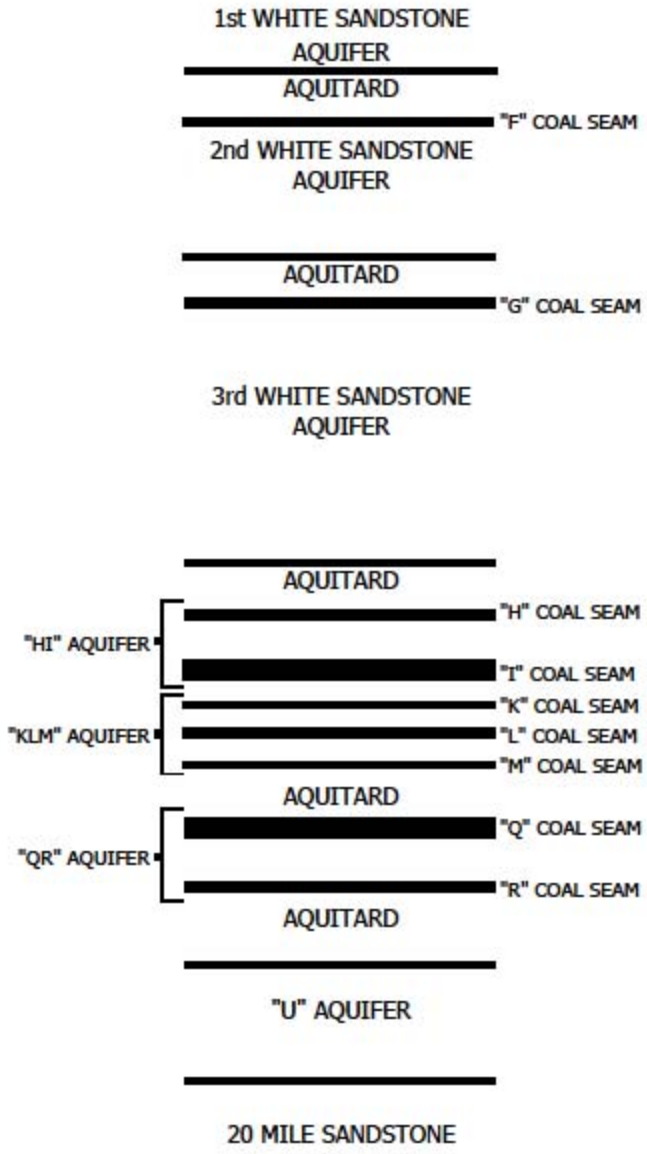


FIGURE 1-1. AQUIFER UNITS ABOVE THE TWENTY MILE SANDSTONE

Table 1-1. 2021 Trapper Mine pit dewatering, pit well dewatering, and dust suppression water utilization in acre-feet.

	Pit Dewatering						Well Dewatering			Dust Suppression	
Month	L-Pit	N-Pit	A-Pit	I-Pit	J-Pit	Total	G/L-Pit Well	F/N-Pit Wells	Total		
JAN	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	2.26	0.23	
FEB	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	2.17	0.36	
MAR	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.00	2.34	4.69	
APR	1.71	4.24	0.00	1.77	0.00	7.72	2.90	0.00	2.90	14.79	
MAY	0.00	0.00	0.00	0.00	0.00	0.00	2.66	0.89	3.55	16.16	
JUN	0.00	0.00	0.00	0.00	0.00	0.00	2.54	1.87	4.41	30.98	
JUL	0.00	2.89	0.00	0.22	0.00	3.11	2.61	1.22	3.83	25.34	
AUG	0.00	11.27	0.00	0.15	0.00	11.42	2.35	0.97	3.32	24.22	
SEP	0.00	0.68	0.00	0.00	0.00	0.68	2.42	0.85	3.27	18.90	
OCT	0.00	0.00	0.00	0.00	0.00	0.00	2.49	1.63	4.12	7.11	
NOV	0.94	10.07	0.00	0.50	0.00	11.51	2.40	0.43	2.83	12.85	
DEC	0.00	0.00	0.00	0.30	0.00	0.30	2.42	0.64	3.06	5.03	
											Total
TOTAL (ac-ft)	2.65	29.15	0.00	2.94	0.00	34.74	29.56	8.50	38.06	160.65	233.45
AVERAGE MONTHLY TOTAL (ac-ft)	0.22	2.43	0.00	0.25	0.00	2.90	2.46	0.71	3.17	13.39	19.45

M:Annual Reports/DMRS21RPT/Hydro AHR/AHRtab1-1

TABLE 1-2. BASIC WELL DATA FOR THE TRAPPER MINE WELLS

	WELL NAME		NORTH. COORD.	EAST. COORD.	AQUIFER	TOTAL DEPTH (ft-mp)	WATER LEVEL DATE	WATER LEVEL DEPTH (ft-mp)	WATER LEVEL ELEV. (ft-msl)	MP ELEV. (ft-msl)	STICKUP (ft)	PERFORATED INTERVAL (ft)
	81-03A		414470	1407945	3RD WHITE	650.0	11/30/2021	-89.96	6318.26	6228.30	2.5	425 - 513
	COY		411163	1438546	QAL	54.1	11/17/2021	44.42	6536.15	6580.57	3.3	-
	CY-1		413342	1411209	1ST WHITE	165.0	11/30/2021	7.77	6281.22	6288.99	3.0	110 - 160
	CY-2		413351	1411198	2ND WHITE	285.0	11/30/2021	-2.31	6291.12	6288.81	3.0	240 - 280
	CY-3		413360	1411190	3RD WHITE	430.0	11/30/2021	-3.46	6292.73	6289.27	2.9	380 - 420
	CY-A		413335	1411219	QAL	35.0	11/30/2021	19.91	6269.64	6289.55	3.2	20 - 35
	GA-1	*	406028	1417638	QR	238.0	---	---	---	6846.90	3.6	178 - 238
	GA-2	*	406027	1417650	KLM	177.0	---	---	---	6847.50	---	117 - 177
#	GB-1		410022	1417960	KLM	352.0	---	---	---	6591.80	---	296 - 352
#	GB-2		410021	1417978	3RD WHITE	224.0	---	---	---	6593.60	3.4	64 - 224
#	GB-5		409996	1418050	HI	288.0	---	---	---	6595.50	3.5	224 - 289
	GC-1		408000	1438000	HI	180.0	11/18/2021	64.30	6807.00	6871.30	2.3	151 - 181
	GC-2		407990	1438000	3RD WHITE	165.0	11/18/2021	22.67	6848.63	6871.30	2.3	90 - 143
	GC-3		407980	1438000	QAL	64.0	11/18/2021	15.72	6856.88	6872.60	3.2	21 - 61
	GD-2		407629	1412871	R COAL	210.0	11/17/2021	-17.30	6546.40	6529.10	---	199.5 - 210.5
	GD-3		406448	1413244	BACKFILL	198.0	11/17/2021	100.48	6604.72	6705.20	3.0	158 - 198
#	GE-1		412037	1407952	QR	550.0	---	---	---	6331.90	3.6	457 - 550
#	GE-2		412046	1407924	HI	433.0	---	---	---	6332.10	3.3	343 - 433
#	GE-3		412025	1407923	2/3 WHITE	290.0	---	---	---	6332.00	3.5	60 - 290
#	GF-1		410738	1419210	20 MILE	647.8	---	---	---	6475.50	2.5	637.8 - 647.8
#	GF-2		410748	1419230	U	498.9	---	---	---	6476.50	2.4	480.9 - 484.9
#	GF-3		410832	1419239	KLM	296.1	---	---	---	6476.70	2.5	285.1 - 291.1
	GF-4		410830	1419003	I COAL	270.0	11/17/2021	-2.31	6495.46	6493.15	0.2	251 - 261
	GF-5		409678	1416364	BACKFILL	153.5	11/17/2021	13.30	6427.77	6441.07	---	- 153.5
	GF-6		406827	1420708	Q COAL	200.0	11/17/2021	13.54	6792.72	6806.26	---	175 - 198
	GF-7		409715	1419549	BACKFILL	127.0	11/17/2021	3.52	6507.28	6510.80	3.1	82 - 127
	GF-11		405701	1420502	BACKFILL	220.0	11/17/2021	139.00	6810.00	6949.00	3.1	180 - 220
	GLEV-1		409445	1443406	R COAL	238.0	11/18/2021	32.72	6744.98	6777.70	2.3	202 - 237
	GLEV-2		409435	1443404	QAL	27.0	11/18/2021	27.00	6750.78	6777.78	2.6	12 - 27
	GLEV-3		409437	1443414	H COAL	45.0	11/18/2021	39.75	6738.14	6777.89	2.3	14 - 45
#	GLUX-1		412880	1409677	1ST WHITE	180.6	---	---	---	6310.02	3.0	160.6 - 180.6
	GMP-1		410741	1425575	HI	200.0	11/18/2021	37.61	6582.42	6620.03	1.7	158 - 196
	GP-1	*	405066	1436877	QR	258.0	---	---	---	7160.49	2.0	198 - 258
	GP-2		407610	1436811	KLM	307.0	11/18/2021	133.36	6874.38	7007.74	2.2	267 - 307
	GP-3		412255	1426829	HI	154.0	11/18/2021	-56.51	6554.74	6498.23	2.1	100 - 154
	GP-4		412202	1426822	KLM	281.0	11/18/2021	-72.66	6570.19	6497.53	2.6	218 - 278
	GP-5		411100	1425218	QR	284.0	11/18/2021	33.42	6384.06	6417.48	2.6	260 - 280
#	GP-6		406494	1426165	QR	251.0	---	---	---	7028.75	1.9	229 - 249
	GP-7		404744	1441929	HI	99.0	11/18/2021	99.00	7145.61	7244.61	3.0	66 - 96
	GP-8		404723	1441954	KLM	197.7	11/18/2021	161.19	7082.88	7244.07	2.2	140 - 195
	GP-9		411190	1438425	3RD WHITE	202.0	11/18/2021	56.90	6552.49	6609.39	3.1	139 - 199
	J-1		414753	1420570	QAL	30.0	11/30/2021	10.05	6365.02	6375.07	3.1	5 - 30
	P-1		416817	1427011	QAL	21.2	11/18/2021	5.41	6357.19	6362.60	1.1	0 - 21
	P-3	*	416522	1427367	LEWIS	34.9	---	---	---	6379.20	1.3	0 - 35
	P-5		413756	1426170	2ND WHITE	20.9	11/18/2021	17.77	6433.33	6451.10	1.1	0 - 21

TABLE 1-2. BASIC WELL DATA FOR THE TRAPPER MINE WELLS

WELL NAME	NORTH. COORD.	EAST. COORD.	AQUIFER	TOTAL DEPTH (ft-mp)	WATER LEVEL			MP ELEV. (ft-msl)	STICKUP (ft)	PERFORATED INTERVAL (ft)
					DATE	DEPTH (ft-mp)	ELEV. (ft-msl)			
P-8	412134	1426755	3RD WHITE	33.2	11/18/2021	14.35	6480.65	6495.00	2.2	0 - 35

NOTE: MP = measuring point, MSL = mean sea level, LSD = land surface datum
A "-" (minus sign) in water level equals height above MP signifying a flowing well
* = wells destroyed by mining
# = wells in bond release

2.0 GROUND-WATER LEVELS

Water level or water pressure has been measured in 31 wells at Trapper Mine in 2021. Wells 81-03A, CY-2, CY-3, GD-2, GF-4, GP-3 and GP-4 were flowing wells in 2021 and pressure readings on these wells have been converted to static water head in feet above the measuring point. The water levels are prefixed by a negative sign to indicate a water level above the land surface. Wells GA-1 and GA-2 were destroyed by mining in 1996 (see Hydro-Engineering, L.L.C., 1997 for where these two wells were located) and well GP-1 was destroyed by mining in 2003 (see Hydro-Engineering, LLC 2003). Monitoring of wells GB-1, GB-2, GB-5, GF-1, GF-2 and GF-3 ceased at the end of 2003. Wells 81-03A, GE-1, GE-2, GE-3, GLUX-1 and GP-6 ceased monitoring in mid-2006 after their removal from monitoring. Monitoring resumed at well 81-03A in 2020.

The locations of the monitoring wells are shown on enclosed Maps No. 2-1 through 2-3. Well GD-1(2) is completed in the Twenty Mile Sandstone. Four wells, GD-2, GF-6, GLEV-1 and GP-5 are used to monitor the QR aquifer. Wells GD-3 and GF-11 are completed in backfill derived from the QR aquifer and, therefore, are also used to monitor the QR aquifer. Wells GP-2, GP-4, and GP-8 are used to monitor the KLM aquifer. Six wells, GC-1, GF-4, GLEV-3, GP-3, GP-7, and GMP-1 are used to observe changes in the HI aquifer. Wells GF-5 and GF-7 are completed in backfill material derived from the HI aquifer and are also used to monitor the HI aquifer. Wells CY-3, GC-2, P-8, and GP-9 are used to monitor the 3rd White Sandstone aquifer. Well CY-2 and P-5 are completed in the 2nd White Sandstone between the G and F coals. Well CY-1 is completed in the 1st White Sandstone. Well P-3 was perforated in the Lewis Shale and monitoring of this well ceased in late 2016. Six alluvial wells, COY, GC-3, CY-A, GLEV-2, P-1 and J-1, are used to monitor the Flume, Coyote, Deacon, Pyeatt, and Johnson alluviums with two of these wells completed in the Flume alluvium.

2.1 GROUND WATER-LEVEL CHANGES

2.1.1 SUMMARY

Significant mine activities during 2021 included the continued expansion of the L and N pits and the initial coal removal in the I pit. Mining in the F pit, which started in 1997, ceased mining in 2011 with only reclamation activities in 2012 through 2021 in this area. Mining was initiated in 2001 in the G pit, which was idle in 2010 through 2021. The K pit was mined in the K, MK, LK, ML, LL, M, Q and R seams in 2015 with only reclamation activities in 2021. L pit mined in seams I1, I2, K Ryder, K, MK, LK, ML, M, MM, LM, Q, UQ, MQ, LQ and R in 2021. N pit mined in seams ML, LL, M, Q Ryder and Q while the I pit mined in the F seam in 2021. Dewatering occurred in only the L, N and I Pits during 2021 with volumes of 2.65, 29.15 and 2.94 ac-ft respectively pumped. Well dewatering of 38.06 ac-ft was produced in 2021 near the G/L and F/N pits.

Annual precipitation for 2021 was below normal at 12.02 inches, compared to the Trapper record and long-term record (Figure 2-1). The 2013 through 2015, 2017 and 2019 precipitations were at or above normal while the 2016, 2018, 2020 and 2021 precipitations were below normal, relative to the Trapper average since 1978 (see Figure 2-1). Two of the last five years were above normal while the 2018, 2020 and 2021 were below normal. Recharge in this geographic setting is directly related to precipitation.

The effects of natural recharge variations on the respective aquifers can be observed in wells located in undisturbed areas away from the influence of mining activities. Wells GC-2, GC-3 and GP-9 are used to indicate natural response in the past but need to be used with caution starting in 2000 due to mining moving into this area. Well GC-3 exhibited the alluvial water-level response with an overall gradual decline in water levels in 2019 through 2021 after the rise in November 2018 and February 2019. The effects on the 3rd White Sandstone aquifer are observed in wells GC-2 and

GP-9. Wells GC-2 and GP-9 show a gradual decline in water levels in 2021 showing some affects from the below average precipitation in 2020 and 2021. The HI aquifer (GP-7) is characterized by a very gradual decline the previous years with this well going dry in mid-2018 and continuing through 2021. The KLM aquifer in well GP-8 showed a decline in 2001 through 2005 with a water level rise in 2006 and fairly steady levels in 2007 through 2014. A gradual water level decline was observed in 2015 through the first half of 2020 in well GP-8 with a larger decline in late 2020 and 2021. A significant amount of well dewatering occurred from the G pit area in 2020 and 2021.

Steady water levels had been observed the last twenty years in well GMP-1 except for a small increase during 2005 through 2011 and a rise in the last three quarters of 2021. The previous larger water level rise was due to the movement of Pit A to the east of this area. The decrease in water levels in wells GD-2 and GD-3 in 2006 were caused by deep exploration drilling in this area. Water levels in these two wells gradually rose in 2007 and overall increased a larger amount in 2008. Water levels continued to overall gradually rise into 2011 and then became overall steady in well GD-2 but declined in well GD-3 until a rise was observed in 2016. The 2017 through 2021 water levels in these two wells were overall fairly steady. The water levels in KLM well GP-2 overall increased from 2008 through 2011 but steadily declined in 2012 through 2019 and increased in 2020 and early 2021 prior to a gradual decline in 2021. The previous decline could have been caused by the decrease in recharge and mining in this area but the more recent declines are likely due to less recharge. Water level in well GP-5 is useful in defining natural variations in the QR aquifer for 2020. Water levels in well GP-5 show a rising trend from 1993 through 2002. Water levels in this well then were fairly steady for five years with another overall rise from 2007 through 2011. Water levels in GP-5 were fairly steady in 2012 through 2014 and a small decline in 2015 and 2016 likely due to less recharge but fairly steady in 2017 through 2019 and overall rise in 2020 and 2021. Water-level changes are discussed in more detail in the following section.

2.1.2 WATER-LEVEL CHANGES

Water-level changes for 2021 are presented in Figures A-1 through A-12 in Appendix A. The table in Appendix A lists data from 2012 through 2021 and the historical data for the Trapper Mine is presented on the attached CD in Appendix D. The wells are grouped on the water-level plots according to aquifer where possible but, in most cases, are grouped by similar water-level elevations. Table A-1 in Appendix A presents a tabulation of the water-level elevations for each of the monitoring wells. Figure 2-1 presents the total annual precipitation at the Trapper Mine from 1978 through 2021. Precipitation declined from a high in 1983 to a low in 1988 and had increased again to a peak in 1993 with a below average value in 1994. The years 1995 through 1997 had above average precipitation relative to the Trapper Mine record, while 1998 through 2004 were below. The precipitation in 2005 through 2011 was above or near normal while precipitation in 2012 was slightly below the 1988, 1994 and 2002 low precipitation years and 2013 precipitation was equal to the Trapper Mine average while 2014 and 2015 were slightly above, 2016 slightly below normal, 2017 and 2019 above normal and 2018, 2020 and 2021 below normal. Water levels in many of the wells reflect the natural variations in recharge. These changes may lag the actual precipitation events due to the time it takes the head change to move through the aquifer to the monitoring well.

Figure A-1 presents water levels versus time for wells GF-5 and P-5. The wells are completed in the HI backfill and 2nd White Sandstone aquifers, respectively. Water levels in well GF-5 slightly rose in 2007 and 2008 and were fairly steady through 2020 prior to a very gradual decline in 2021. Well P-5 went from being dry in early 2010 to recovering four feet in late 2010 and 2011 but then was dry except for one or two quarters in each of the last ten years.

The GC wells (GC-1, GC-2, GC-3, see Figure A-2) are located near the northeast corner of the permit area (PA) slightly more than 1100 feet from mining activity. These wells are

completed in the HI, 3rd White and alluvial aquifers, respectively. The water-level changes in these wells may not still be good indicators of natural recharge impacts on these aquifers due to the upgradient mining. Water levels in well GC-1 have been overall steady from 2003 to 2009. In 2010 and 2011 the water level rose while a decline was observed in 2012 through 2021. The fourth quarter 2020 water level decline in well GC-1 seems to be an outlier based on the water levels prior and after this level. Water levels in well GC-3 show some seasonal effects. Water levels in well GC-2 were overall steady from 1999 to 2005, while overall gradually increasing in 2006 through 2016 and fairly steady 2017 through 2020 followed by a very gradual decline. Changes in these three wells are probably natural. The alluvial aquifer response indicates continuation of above average recharge in 2011 from higher precipitation for the previous six years, a gradual decline in 2012 and followed by fairly normal seasonal variations through 2020 and a gradual decline in 2021.

Figure A-3 presents the static water-level elevations for wells GD-2, GD-3 and GP-9. These wells are completed in the QR, QR backfill and 3rd White Sandstone aquifers. In 2006, water levels in wells GD-2 and GD-3 declined sharply the first quarter of 2006 and then became fairly steady with a large increase in water level in 2008. Water levels overall gradually rose in 2009 into 2011 in wells GD-2 and GD-3 before declining for four years and gradually rising in 2016 in well GD-3 and overall steady in 2017 through 2021 in these two wells. The earlier large water level declines are thought to be due to drilling for deeper coal in this area. Water levels in 2011 and 2012 are higher than any historical level in this backfill well. Backfill well GD-3 is approximately 1200 feet upgradient of well GD-2. Well GD-3 is located topographically higher in the northern side of the D pit than the GD-2 location. Water-level changes in well GD-3 have been more gradual than changes in well GD-2. The unconfined backfill aquifer's storage parameter would be much larger than the storage coefficient for the confined aquifer at GD-2 and, therefore, would be expected to dampen responses.

Water levels in well GP-9 have been overall steady the last few years until a decline was observed in 2021. This water-level change is likely natural in this well.

Figure A-4 presents water levels for wells GF-7 and P-8. These wells are completed in the HI backfill and 3rd White Sandstone aquifers, respectively. Water levels in well GF-7 (see Figure A-4) has been steady for several years with a small decline in 2021. The water levels in well P-8 declined in 2012 and since have been overall steady. The larger storage value in the unconfined backfill aquifer may dampen the effects of dry and wet years. The recovery from the A pit mining in this area may be nearly completed.

Water levels for well GF-4 are presented in Figure A-5. A large rise in water level in well GF-4 was observed in the last half of 1999 after the repair of the casing on September 29, 1999. Water levels overall were fairly similar the last few years in well GF-4. Mining occurred south of well GF-4 in the early 1980's and is expected to limit water-level changes in the HI aquifer near well GF-4. Water levels in the upgradient unconfined backfill aquifer do not fluctuate as much as the confined HI aquifer. The backfill aquifer may prevent the lower recharge years from affecting the water level down gradient in the HI aquifer. It is also possible that the backfill spring in Johnson Gulch may be limiting the head in the backfill aquifer.

Wells GF-6 and GF-11 are completed in the QR aquifer and QR backfill, respectively. Backfill well GF-11 is located on the downgradient side of the inactive E pit, while well GF-6 is located downgradient of the pit. GF-11 is 1150 feet upslope and upgradient of GF-6. Overall increases in water levels were observed in wells GF-6 and GF-11 for 2008 with similar but smaller seasonal changes observed in 2009 and 2010 (see Figure A-6). Large seasonal changes were observed in 2011 with overall higher water levels. Water levels in the backfill well overall declined in 2012 through 2015 with a small overall rise in 2016 and overall steady levels in 2017 through 2020 while the levels gradually declined in the QR aquifer in 2021 in this area. The head in well

GF-11 is greater than 17 feet above the head in well GF-6. The water levels in the backfill aquifer may be near fully recovered from mining.

Figure A-6 also presents the water levels for new wells GLEV-1, GLEV-2 and GLEV-3 which are located in the northeast corner of the permit and these wells are completed in the R coal, alluvium and H coal respectively. Yearly water level changes have been observed in the H coal during the last few years at this location with rises early in the year but overall water levels have been steady. Steady water levels have been observed in the R coal the last six years prior to a gradual decline in 2021. Data from well GLEV-2 shows that the alluvium is dry at this location.

Figure A-7 presents water levels for GP-7 and GP-8, which are located very near the eastern boundary of the PA. They are completed in the HI and KLM aquifers and may provide undisturbed baseline data for these intervals but could be influenced by mining for the last few years. Water levels in well GP-7 overall had been steady for several years with a very slight decline in 2017 and going dry in mid-2018 through 2021. A slight increase was observed in 2010 and 2011 in well GP-8 after 3 years of steady water levels from 2007 through 2009. Water levels in well GP-8 gradually declined in 2015 through 2021. A larger decline was observed in well GP-8 in the last half of 2020 and 2021. Both of these water level changes are thought to be showing natural responses but could be influenced by the mining that is greater than 1900 feet away.

Well GP-2 (Figure A-8) is located in a previously undisturbed area near the eastern boundary of the PA. Water levels rose in 2008 through 2011 in well GP-2 to a similar level as existed prior to 1999. A large decline in water levels started in 1999. A smaller decline occurred in 2012 through 2019, which is likely due to less recharge. A small water level rise was observed in 2020 through the first quarter of 2021 prior to a decline.

Wells GP-3 and GP-4 are less than 1000 feet downgradient from A pit. Both are flowing wells completed in the HI and KLM aquifers, respectively. Water levels in these two wells had

shown similar responses in water levels due to changes in precipitation but the 2005 through 2011 water level changes were different (see Figures A-9 and A-10). Water levels in well GP-3 have recovered to above pre-mine levels in this area and show that any depletion of water from upgradient mining has been replaced by recharge to the HI aquifer. The overall gradual water level rise in well GP-3 in recent years is probably a function of increase in recharge from the upgradient backfill aquifer. The water level in well GP-4 has also recovered to pre-mine levels but observed variable levels in 2004 through 2021.

Well GMP-1 (Figure A-9) is completed in the HI aquifer to monitor ground-water conditions downgradient of the ash disposal site immediately south in A pit. Water levels became steady in 2001 and stayed fairly steady for the next six years with a small increase in 2006 through 2011. Overall steady water levels were observed in 2012 through 2020 with higher water levels the last three quarters.

Figure A-10 also presents water levels for the well COY (alluvium). Water levels at the COY well started to decline in 2009 after seven years of overall rising. Overall this gradual decline continued through early 2021 with a steeper decline in the remainder of 2021 but levels are still higher than they were in the 1990s. The unconfined alluvial aquifer generally responds gradual to recharge changes. The 2008 and 2009 water-level elevations were larger than the natural high water levels in 1985 and 1986.

Well GP-5 is completed in the QR aquifer and located immediately downgradient of A pit. Water-level data from 2012-2021 is tabulated in Table A-1 in Appendix A (see attached CD for all historical water-level data). Figure A-11 presents the water level versus time plot, showing a rising trend for the previous six years during the period of above normal precipitation and fairly steady water levels during the 2012 low precipitation year and a small decline in 2014 through 2016 with the slightly above normal precipitation to slightly below normal precipitation. A very gradual

rise was observed in 2017 through 2020. These responses are interpreted to be due to an increase in recharge followed by a decrease in recharge with slightly larger recharge in 2017, slightly less recharge in 2018 and more in 2019 through 2021. These water levels show no response to the higher precipitation in 2005 while a good response is shown to the higher 2006 through 2011 precipitation. This data indicates that a lag of one year in the water level responses in well GP-5 to precipitation may occur. These responses indicate that the mining from the QR seams, which is nearest in the F pit mining that began in 1997, has probably significantly increased water levels in well GP-5 to above the pre-mine levels. Higher water levels in the north end of the QR backfill aquifer likely caused the higher water levels downgradient.

Figure A-11 presents the change in water-level elevation for alluvial well P-1, located in the Pyeatt drainage north of the PA. This data demonstrates classic seasonal responses, highs in winter/spring and lows in late summer/fall. Overall the water levels have been fairly steady in well P1 in 2012 through 2014, declined in 2015 but recovered in 2016 to overall steady levels. The much lower water levels are likely outliers. Water-level elevations for the Johnson Gulch alluvial well J-1 are also presented in Figure A-11. The J-1 water levels remained steady in 2012 through 2020, indicating that variations in precipitation have not affected the Johnson Gulch alluvial water levels.

Figure A-12 presents the change in water-level elevation for the four new wells in the northwest portion of the Trapper Mine near the HWM in the I and J pits. This limited data shows that the heads in the 3rd and 2nd White Sandstones in wells CY-3 and CY-2 which are slightly above the top of the casing are higher than the heads in the 1st White Sandstone and the Coyote alluvium in wells CY-1 and CY-A. Additional monitoring time is needed to determine if these water levels have a trend. A trend is indicated by the recent data from well 81-03A.

2.2 GROUND WATER-LEVEL ELEVATION (PIEZOMETRIC MAP SUMMARY)

Hydro-Engineering developed three piezometric maps to show the water level flow patterns for the QR, HI and 3rd White Sandstone aquifers at Trapper Mine. Water levels from the fall of 2021 were used to develop these maps. The structure maps for the coal seams were used to extend the piezometric contours in the permit extension area on the east side of Trapper Mine along with the water-level elevations from the GLEV wells. The change in the dip of the beds from mainly to the north to the northwest in the extension area caused the gradient in the ground water to gradually change from the north to the northwest. The new 3rd White Sandstone well CY-3 in the northwest portion of the Trapper permit area was used with an updated water level for well 81-03A to adjust the water-level elevations in this area.

Map No. 2-1 presents the water-level elevations for the QR aquifer. The water-level elevation is presented for the QR wells: GD-2, GF-6, GLEV-1 and GP-5 and backfill wells GD-3 and GF-11. The ground-water flow in the QR aquifer is mainly to the north. Mining has only affected the QR aquifer close to the D, E, F, G, K, L and Z pits by causing drawdowns very near the pit edges. The installation of backfill wells GD-3 and GF-11 has defined the depressed elevations in the backfill areas. The water levels from these wells were overall steady or gradually declined during 2021. These water level changes are likely due to seasonal recharge in recent years. The backfill water levels will likely stabilize lower than the pre-mine levels due to the increased permeability of the backfill aquifer, which allows the water in the aquifer to be transmitted at a lower gradient. The gradient calculated for the backfill near D pit is less than 0.05 ft/ft, compared to the undisturbed gradient of 0.12 ft/ft. The heads in the northern end of the backfill aquifer will likely recover above the pre-mine level. Backfill springs are not expected to develop near the northern end of the QR backfill because backfill water levels would have to recover greater than a few tens of feet to reach the lower land surface elevations. Table 2-1 of the 1990 Annual Hydrologic Report

(Hydro-Engineering, 1991) presents aquifer properties at Trapper Mine. The permeabilities from the backfill aquifers are significantly greater than the coal aquifers that they replace.

The water-level contours extend through the pit areas for the F, G and Z pits because the R seam was not mined in these pits and therefore the QR aquifer still exist under these pit floors. Some drawdown would be expected in these areas of the QR aquifer and are indicated by the contours.

The water-level contours in the northeast corner of the Trapper Mine with the water-level elevation from well GLEV-1 shows that the flow direction in the QR aquifer turns from the north to the northwest due to the change in the dip of the coal seams in this area.

The QR water-level map at Trapper Mine was very similar in 2021 to the 2020 water-level elevations. Gradients and flow directions for the QR aquifer in 2021 are similar to those observed in 2020.

Map No. 2-2 presents the water-level elevation contours for the HI aquifer in the fall of 2021. Wells GC-1, GF-4, GLEV-3, GP-3, GP-7, and GMP-1, which are completed in the HI aquifer, and backfill wells GF-5 and GF-7, were used in the development of this map. Wells GF-5 and GF-7 are completed in the backfill in the area where the H and I coal seams were mined. Flow direction in the HI aquifer has been changed mainly near the A pit near well GF-4. The overall flow regime in this aquifer is northerly, similar to that observed in 2020 (see Hydro-Engineering, 2021). Flow direction in the HI aquifer in the permit extension area on the east side of the Trapper Mine changes to the northwest due to changes in the structure of the H and I coal seams. The addition of the GLEV-3 water-level elevation shows that the ground-water flow direction in the HI aquifer changes to the northwest in the northeast corner of the Trapper permit area.

The ground-water gradient between the backfill aquifer and the un-mined HI aquifer downgradient is relatively flat as it is in the QR backfill. The contours in the HI aquifer have also

been changed on the east side where previous mining in the A pit has likely caused water level declines near this pit. The D and K pits were used to mine the I seam and the K pit also mined the H and I seams in 2010 through 2012 and the I2 seam in 2013. The H and I seams were mined in the K pit in 2014 while the L pit mined the I seam in 2014 and the H and I seams in 2015 through 2020 and the I seams in 2021.

The 3rd White Sandstone aquifer water-level elevations are presented on Map No. 2-3. Wells 81-03A, CY-3, GC-2, P-8 and GP-9 were used in the development of this map. Flow direction in the 3rd White Sandstone is mainly toward the north, as expected. The 2021 contours are very similar to the 2020 contours with the depression in the piezometric surface in the 3rd White Sandstone near well CY-3. This depression in the piezometric surface indicates this is a discharge area for the 3rd White Sandstone aquifer.

The flow direction in the 3rd White Sandstone changes to the northwest in the permit extension area on the east side of the Trapper Mine. Water-level elevation contours have to shift to the northeast in the extension area because the base of the 3rd White Sandstone would be above the water-level elevation if they continue to the east. The saturated thickness in the 3rd White Sandstone in the northeast portion of the extension is thought to be only a few tens of feet with this sandstone being dry farther south in the permit extension area.

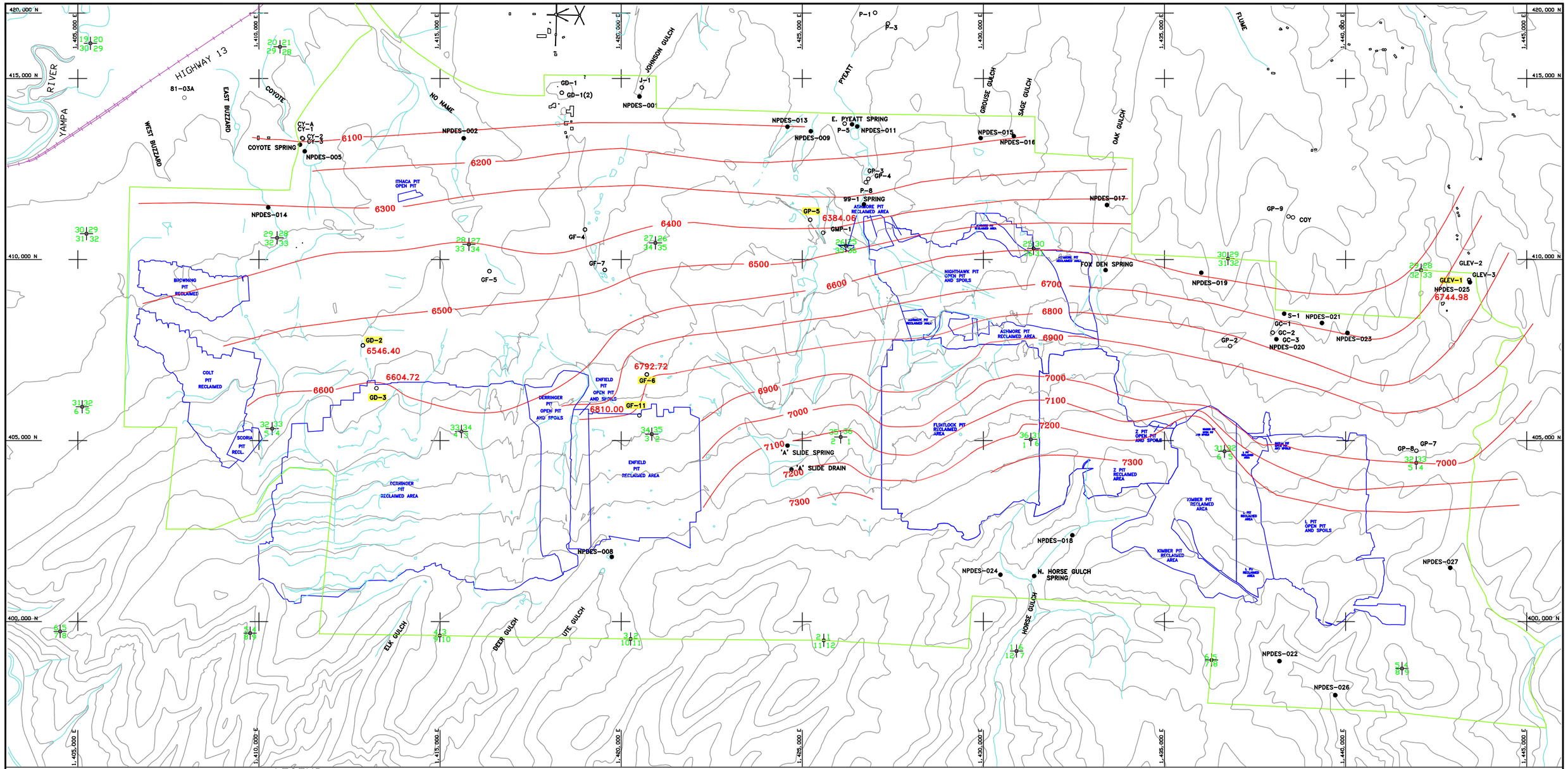
FIGURE 2-1. PRECIPITATION AT TRAPPER MINE 1978-2021

ANNUAL HYDROLOGICAL REPORT
TABLE 2.1 CLIMATOLOGICAL DATA FOR THE YEAR 2021

TRAPPER MINE NOAA WEATHER DATA SUMMARIES
MONTHLY PRECIPITATION TOTALS (1978 TO PRESENT)

PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		SUM	STATION (JAN'36-DEC'79) 44-YR MEAN	CRAIG 4SW (MAY'77-PRESENT) PTD MEAN(1)	% 44YR	% PTD
HIST MEAN	0.92	0.85	1.02	1.32	1.33	1.2	0.95	1.31	1.12	1.3	0.99	1.25		13.56	13.56			
PROJECT START-UP CRAIG 4SW														YEARLY PRECIP.	MEAN = 13.56	PTD MEAN = 16.34		
1978	1.53	0.96	2.34	1.40	1.26	0.30	0.88	1.00	1.11	0.75	1.72	1.41	1978	14.66	13.56	16.34	108%	90%
1979	0.47	1.40	1.90	1.57	3.36	0.56	0.88	1.50	0.12	2.69	1.05	0.47	1979	15.97	13.56	16.34	1.18	98%
1980	2.34	1.38	2.69	0.54	2.53	0.43	0.63	1.83	0.75	1.50	0.38	0.51	1980	15.51	13.56	16.34	1.14	95%
1981	0.28	0.60	2.26	0.78	3.95	1.31	1.61	0.19	1.33	4.52	0.62	0.91	1981	18.36	13.56	16.34	1.35	112%
1982	1.56	0.44	2.04	1.87	1.11	0.73	1.28	1.24	3.05	1.79	2.21	0.60	1982	17.92	13.56	16.34	1.32	110%
1983	0.58	1.20	1.80	2.93	1.59	2.98	2.44	1.71	0.69	3.07	2.63	3.35	1983	24.97	13.56	16.34	1.84	153%
1984	0.85	0.70	2.19	2.18	1.16	2.98	2.42	2.43	2.51	2.08	1.21	1.21	1984	21.92	13.56	16.34	1.62	134%
1985	1.47	1.04	1.40	2.55	0.91	1.02	1.51	0.66	1.01	3.42	2.94	0.59	1985	18.52	13.56	16.34	1.37	113%
1986	0.49	2.13	1.50	1.71	0.89	1.38	3.00	0.84	2.93	1.73	1.62	0.52	1986	18.74	13.56	16.34	1.38	115%
1987	0.82	1.40	0.96	0.98	2.42	1.18	1.35	2.11	0.33	1.00	1.16	1.18	1987	14.89	13.56	16.34	1.10	91%
1988	1.25	0.45	0.98	0.43	1.28	0.55	0.40	1.28	1.58	0.22	1.77	0.97	1988	11.16	13.56	16.34	0.82	68%
1989	0.97	2.15	1.01	0.35	0.42	0.98	1.57	1.24	1.22	0.52	0.85	0.80	1989	12.08	13.56	16.34	0.89	74%
1990	0.32	2.25	0.98	2.02	1.71	1.62	0.78	0.63	0.76	2.53	1.31	1.04	1990	15.95	13.56	16.34	1.18	98%
1991	1.09	0.28	1.70	0.80	0.35	1.52	1.24	1.03	1.47	0.83	1.74	0.82	1991	12.87	13.56	16.34	0.95	79%
1992	0.57	1.00	1.42	1.82	2.54	0.90	2.93	0.70	1.31	1.21	1.20	1.08	1992	16.68	13.56	16.34	1.23	102%
1993	1.67	1.16	1.91	3.43	1.29	0.54	0.71	1.36	1.58	3.11	1.30	0.65	1993	18.71	13.56	16.34	1.38	114%
1994	0.52	1.02	0.60	1.44	0.19	0.53	0.01	2.42	0.90	1.06	2.05	0.57	1994	11.31	13.56	16.34	0.83	69%
1995	1.16	0.86	1.24	1.35	6.21	1.48	0.65	0.68	2.43	1.64	1.44	0.61	1995	19.75	13.56	16.34	1.46	121%
1996	2.13	1.76	0.55	1.63	1.62	1.16	1.07	0.25	1.63	2.11	2.82	1.02	1996	17.75	13.56	16.34	1.31	109%
1997	1.97	0.65	0.14	3.27	2.92	1.01	1.53	1.53	5.19	2.16	0.71	0.76	1997	21.84	13.56	16.34	1.61	134%
1998	0.83	1.25	1.90	0.97	0.70	2.81	1.66	0.29	0.58	2.49	1.07	1.16	1998	15.71	13.56	16.34	1.16	96%
1999	1.29	0.98	0.76	3.44	1.88	1.12	1.35	1.72	0.83	0.85	0.69	0.73	1999	15.64	13.56	16.34	1.15	96%
2000	1.17	2.00	1.48	1.04	1.39	0.40	0.89	1.72	2.25	0.76	1.66	1.17	2000	15.93	13.56	16.34	1.17	97%
2001	0.85	1.13	1.10	1.17	1.92	0.63	0.91	1.34	0.91	1.34	1.29	0.55	2001	13.14	13.56	16.34	0.97	80%
2002	0.67	0.24	1.19	1.20	0.13	0.26	0.73	1.96	1.57	1.34	0.87	1.03	2002	11.19	13.56	16.34	83%	68%
2003	0.66	2.00	1.57	1.30	0.98	1.28	0.21	0.93	1.42	0.18	2.52	1.09	2003	14.14	13.56	16.34	104%	87%
2004	0.76	0.98	0.45	1.83	1.40	1.03	1.01	0.69	2.43	1.37	1.50	0.11	2004	13.56	13.56	16.34	100%	83%
2005	1.40	1.24	1.67	1.68	1.51	3.63	0.71	1.27	1.50	2.40	1.19	0.59	2005	18.79	13.56	16.34	139%	115%
2006	0.98	0.39	2.44	1.06	0.56	0.24	1.14	2.11	3.49	3.18	0.93	0.66	2006	17.18	13.56	16.34	127%	105%
2007	1.79	1.67	0.97	0.82	1.56	0.33	0.77	1.14	3.89	2.49	0.26	4.13	2007	19.82	13.56	16.34	146%	121%
2008	1.88	1.42	1.24	0.75	3.12	0.86	0.18	0.65	1.97	1.04	1.10	2.18	2008	16.39	13.56	16.34	121%	100%
2009	1.90	0.38	2.07	2.23	1.79	3.11	1.08	1.01	1.26	1.11	1.19	1.50	2009	18.63	13.56	16.34	137%	114%
2010	0.63	0.76	1.33	3.16	1.43	1.38	1.25	1.34	0.39	1.81	1.19	3.13	2010	17.80	13.56	16.34	131%	109%
2011	0.91	1.50	1.78	3.64	3.37	0.69	1.76	1.31	0.60	1.18	1.69	0.38	2011	18.81	13.56	16.34	139%	115%
2012	0.45	1.21	0.46	0.70	0.12	0.16	1.12	0.47	1.73	1.03	0.45	2.80	2012	10.70	13.56	16.34	79%	65%
2013	1.14	0.74	0.78	2.91	1.60	0.00	0.37	0.38	3.36	2.58	1.18	1.46	2013	16.50	13.56	16.34	122%	101%
2014	1.21	0.39	1.67	1.02	2.02	0.63	0.70	3.95	2.04	1.69	1.16	1.43	2014	17.91	13.56	16.34	132%	110%
2015	0.39	0.88	1.14	1.82	3.93	0.20	1.89	0.92	0.88	1.15	1.50	2.60	2015	17.30	13.56	16.34	128%	106%
2016	1.17	1.46	1.46	2.42	1.75	0.23	1.15	0.75	1.28	0.81	0.89	1.58	2016	14.95	13.56	16.34	110%	91%
2017	3.09	1.81	0.81	2.83	1.35	0.42	1.12	0.23	1.91	3.18	1.12	0.99	2017	18.86	13.56	16.34	139%	115%
2018	1.25	1.34	1.46	1.72	1.36	0.11	0.19	1.40	0.21	2.70	0.60	0.89	2018	13.23	13.56	16.34	98%	81%
2019	1.83	1.04	2.70	1.60	1.72	2.66	0.38	0.45	0.58	1.53	1.25	2.09	2019	17.83	13.56	16.34	131%	109%
2020	1.84	1.47	1.81	1.20	1.21	1.25	1.14	0.54	0.35	0.75	0.52	1.39	2020	13.47	13.56	16.34	99%	82%
2021	0.56	0.76	1.32	0.63	1.39	0.31	0.25	1.37	1.13	1.72	0.74	1.84	2021	12.02	13.56	16.34	89%	74%
PTD AVG	1.15	1.13	1.44	1.69	1.73	1.07	1.11	1.19	1.56	1.74	1.30	1.24		16.34				
% of PTD monthly avg	49%	67%	92%	37%	81%	29%	23%	115%	73%	99%	57%	148%						



Produced By : HYDRO ENGINEERING
C: PROJECTS\2022-15\21TRAP

LEGEND

- PERMIT BOUNDARY
- HISTORICAL PIT TOE-LINE LIMITS
- SURFACE DRAINAGE AND PONDS
- MONITORING WELL LOCATIONS
- NPDES MONITORING SITES
- SPRING LOCATIONS

PROFESSIONAL ENGINEERS CERTIFICATION

I, George L. Hoffman, a registered Professional Engineer in the State of Colorado, certify that this map has been reviewed by me and is true and correct to the best of my knowledge and information.

George L. Hoffman CO PE No. 27199 DATE

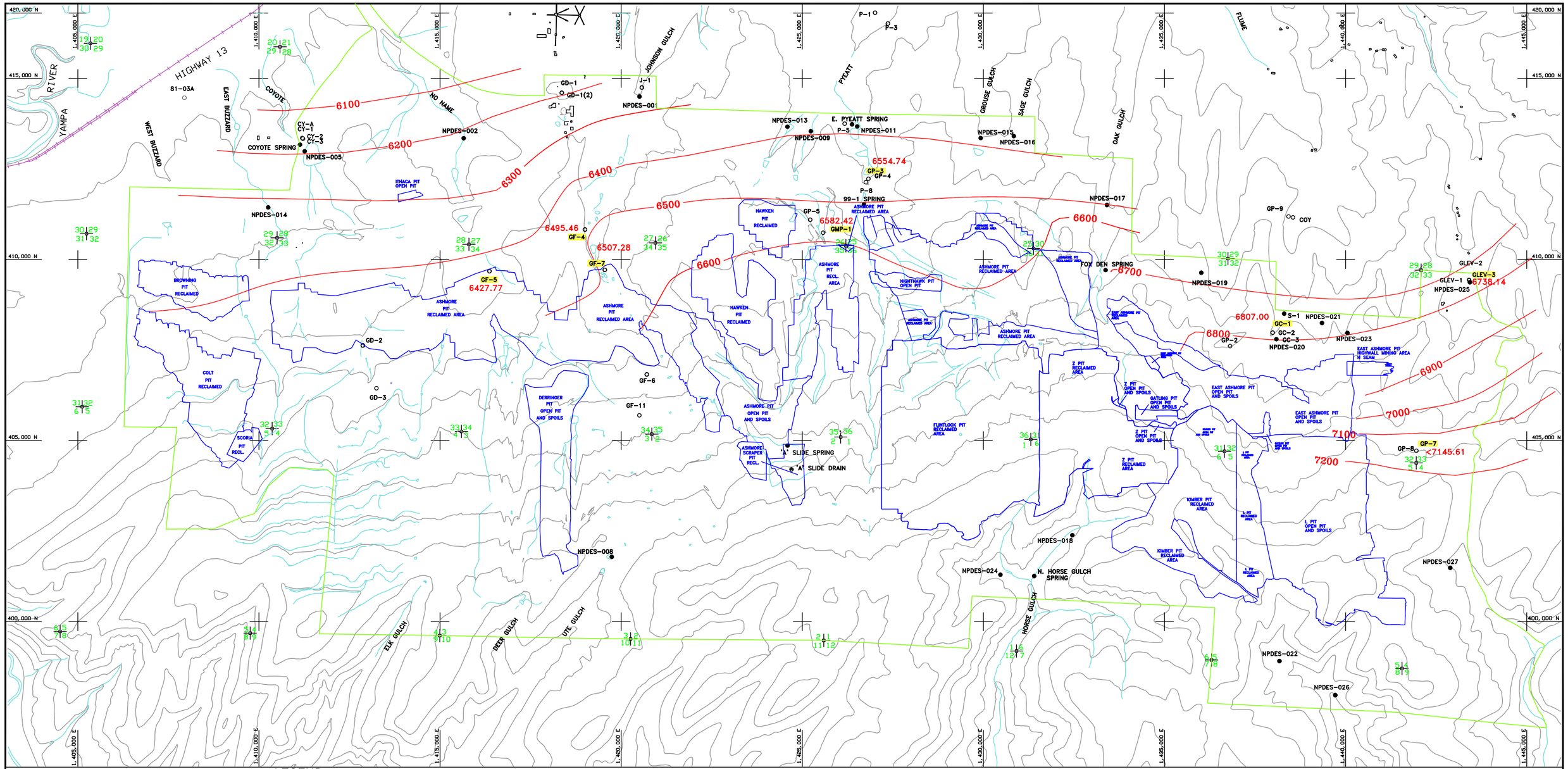
Scale in Feet
1000 0 1000 2000 3000

LAND SURFACE CONTOUR INTERVAL: 125'
Date of Photography : 10-4-97
PIT UPDATE: 2020

TRAPPER MINING INC.
TRAPPER MINE CRAIG, CO.

WATER-LEVEL ELEVATION IN THE QR AQUIFER, FALL 2021
FT-MSL AND SURFACE-WATER SITES

SCALE:1"=2000' | MAP 2-1 | DATE: 2/4/2022



Produced By : HYDRO ENGINEERING
C: PROJECTS\2022-15\21TRAP

LEGEND

- PERMIT BOUNDARY
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George L. Hoffman CO PE No. 27199 DATE

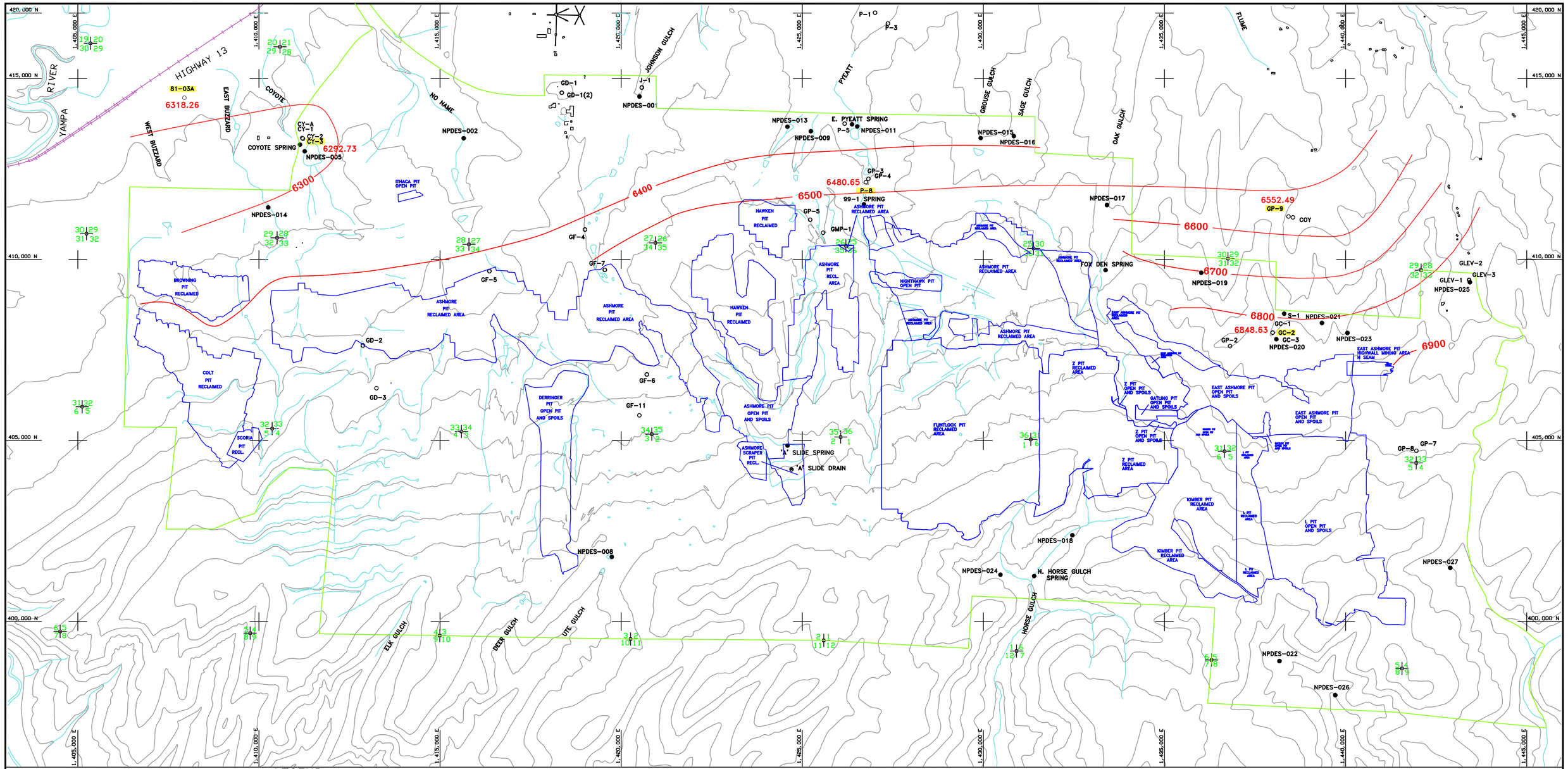
Scale in Feet
1000 0 1000 2000 3000

LAND SURFACE CONTOUR INTERVAL: 125'
Date of Photography : 10-4-97
PIT UPDATE: 2020

TRAPPER MINING INC.
TRAPPER MINE CRAIG, CO.

WATER-LEVEL ELEVATION IN THE HI AQUIFER, FALL 2021 FT-MSL AND SURFACE-WATER SITES

SCALE:1"=2000' | MAP 2-2 | DATE: 2/4/2022



Produced By : HYDRO ENGINEERING
C: PROJECTS\2022-15\21TRAP

LEGEND

- PERMIT BOUNDARY
- HISTORICAL PIT TOE-LINE LIMITS
- SURFACE DRAINAGE AND PONDS
- MONITORING WELL LOCATIONS
- NPDES MONITORING SITES
- SPRING LOCATIONS

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George L. Hoffman CO PE No. 27199 DATE

Scale in Feet
1000 0 1000 2000 3000

LAND SURFACE CONTOUR INTERVAL: 125'
Date of Photography : 10-4-97
PIT UPDATE: 2020

TRAPPER MINING INC.
TRAPPER MINE CRAIG, CO.

WATER-LEVEL ELEVATION IN THE THIRD WHITE SS AQUIFER, FALL 2021 FT-MSL AND SURFACE-WATER SITES

SCALE:1"=2000' | MAP 2-3 | DATE: 2/4/2022

3.0 GROUND-WATER QUALITY

Appendix B presents the ground-water quality data for the Trapper Mine. This appendix tabulates 2012-2021 data in Table B-1 and presents TDS and sulfate plots versus time to convey changes in the major constituent water quality (see attached CD in Appendix D for all historical data).

Appendix B also presents the 2012-2021 spring and seep water-quality data (see attached CD in Appendix D for all historical data). Water quality for the springs and seeps are included in this section because their source is ground water. Section 3.6 presents a discussion of the spring and seep water-quality data.

3.1 TOTAL DISSOLVED SOLIDS (TDS)

Figures B-1 through B-7 present plots of the TDS concentrations for the Trapper Mine wells. The wells have been grouped together based on aquifers.

Figure B-1 presents the TDS concentrations versus time for two QR aquifer wells GD-2 and GD-3. Well GD-3 is a backfill well in the QR aquifer. TDS concentrations had been fairly steady the previous years in well GD-3 but decreased in 2006 and 2007 then overall increased in 2008 through 2021. The fluctuation in this backfill aquifer is well within natural ranges and may be very similar to variations that would have occurred in the QR aquifer at this location. Some of the TDS in the backfill aquifer may be due to leaching from the backfill material. The TDS in this backfill aquifer is greater than it is downgradient in the R Coal at GD-2 which overall increased in concentrations in 2008 through 2021. This is likely the movement of higher concentration from the GD-3 area to well GD-2.

Figure B-2 also presents a group of four QR wells. Well GF-11 is an eq1ivalent QR aquifer well in the backfill. The 2021 TDS concentrations are similar values observed the last fourteen years in backfill well GF-11 with a very gradual increasing trend and below its peak in 2001 and 2002. The 2021 data indicates a start of a decline in concentrations. Concentrations in the QR aquifer are monitored downgradient at well GF-6 and have shown no influence from the upgradient mining, except for a very slight overall increasing trend. These small changes are well within natural variations. Figure B-2 also presents the TDS concentrations for QR wells GP-5 and GLEV-1. TDS concentrations in well GP-5 have been similar with time with a very gradual increasing trend while a slightly smaller concentration were observed in well GLEV-1 with a very gradual increasing trend. The September 2021 TDS from well GP-5 seems to be an outlier and needs confirmation prior to giving it any significance.

Figure B-3 presents the TDS concentrations for three KLM aquifer wells. The data for well GP-4 is presented in red square on Figure B-3 with steady values prior to an overall very gradual decrease in concentration during the last few years. TDS concentrations for two of the eastern KLM wells, GP-2 and GP-8, are also shown on this figure with concentrations generally between 700 and 800 mg/l. Variable TDS concentrations that are overall steady have been observed in these two wells for the last several years with a very small increasing trend the last few years.

Figures B-4 presents the TDS concentrations versus time for the HI aquifer wells. The TDS in HI aquifer well GF-4 had gradually increased in concentrations with time but has been fairly steady for the last several years. The small changes are well within natural fluctuations in this well but could be due to upgradient mining. TDS concentration in backfill well GF-5 is slightly greater but is still well within the natural range for the HI aquifer. Significantly higher TDS values have been observed in backfill well GF-7 with the concentrations in the last twenty-four years being

between the lower levels prior to this period and the maximum historical values from this well. TDS values in this backfill aquifer will likely fluctuate until they decline to a value similar to the HI aquifer in this area. A very gradual declining trend seems to be occurring the last few years.

Wells GMP-1 and GP-3 are two HI aquifer wells north of the A pit and their TDS data are shown on Figure B-5. Higher values of TDS were observed in well GMP-1 during 2006 through 2021 with an overall increasing trend. This well is immediately downgradient of the reclaimed A pit and is likely showing fluctuations from the backfill aquifer. The previous TDS values and fluctuations in well GMP-1 are similar to those in well GC-1. The TDS in well GC-1 had to be natural until mining reached this area the last few years. The recent higher TDS values in well GMP-1 are likely caused by the upgradient mining. A gradual rise in the backfill water level in this area occurred through 2011 but has recently been fairly steady. The overall TDS concentrations in well GC-1 in 2021 are similar to values that existed prior to mining in this area. The 2006 through 2009 monitoring indicates the 2005 increases were not representative of large portions of the aquifer in this area. TDS concentrations in HI aquifer well GP-3, further downgradient of well GMP-1, have overall been steady for the period of observation. TDS concentrations in eastern well GLEV-3 have varied, showing that TDS varies naturally over a large range in this aquifer. Fluctuations observed in wells GC-1, GLEV-3 and GP-7 except for the last few years must be natural due to their location. The TDS in the new HI aquifer well in the northeast corner of the Trapper permit area has a higher concentration than other HI wells in this area. The flow in the HI aquifer to well GLEV-3 would be from the southeast to the northwest and therefore concentrations in well GLEV-3 should be natural.

Figure B-6 presents the TDS for 3rd White Sandstone wells 81-03A, CY-3, GC-2, GP-9 and P-8. Concentrations in each of these wells have been fairly steady for the last few years. The TDS

for the first fourteen years for well P-8 shows fairly steady concentrations prior to a large increase in 1995 over three years to a value of approximately 4000 mg/l. The 2021 TDS concentrations in well P-8 were steady but indicating a small declining trend. The increase in well P-8 is above the levels expected for the 3rd White Sandstone and is likely due to the upgradient mining based on the timing and magnitude of the increase. However, some of this higher level could be natural based on natural large historical concentrations observed in 2nd White Sandstone well, P-5. Concentrations are expected to decline in the future if the increase is due to upgradient mining. The TDS values for 2nd White Sandstone well P-5 have varied from 2500 to 3000 mg/l range prior to mining in this area. Natural water-quality concentrations in the 1st, 2nd and 3rd White Sandstones are expected to vary over a similar range. The 2021 TDS in well 81-03A is very similar to the historical values measured in this well while the TDS in well CY-3 is smaller.

Figure B-7 presents the TDS concentrations versus time for alluvial wells CY-A, GC-3, P-1, J-1 and COY. TDS concentrations in Pyeatt alluvial well P-1 were variable in 2021 and similar but slightly higher than historical levels. The TDS concentrations in alluvial ground water in Johnson Gulch (J-1) had been fairly steady since 2000 but had very gradually increased the last seven years prior to steady values in 2020 and 2021. The recent Johnson Gulch alluvial ground water is within the natural range for TDS in this aquifer. These TDS values and variations are very similar but slightly higher than natural values observed in Flume Gulch alluvial well, COY. The TDS measured in the Coyote alluvial well CY-A is similar to the TDS in the COY well.

Flume Gulch has two alluvial monitoring wells, GC-3 and COY. TDS concentrations overall have been steady in well GC-3 with variations observed the last few years similar to previous values. The 2021 TDS concentrations in the COY well were similar to higher natural values in this well. The TDS concentrations in the COY well and historical variations in well P-1 show that recent

Johnson alluvial TDS concentrations are slightly higher than natural alluvial concentrations in the alluvial aquifers in this area. The natural variability in surficial alluvial aquifers in this area is large and the upper limit may have not been fully defined by historical measurements.

3.2 SULFATE

Figure B-8 presents the sulfate concentrations for QR wells GD-2 and GD-3. Sulfate in backfill well GD-3 were steady between 2000 and 2009 and then overall increased until 2011 with fairly steady values through 2016. The 2017 through 2020 values indicate a very gradually increasing trend while the 2021 values were slightly smaller. This indicates that the sulfate fluctuations in the backfill aquifer may be larger than the native QR aquifer. Future monitoring of this well will define whether sulfate concentrations will increase in the backfill aquifer when water levels rise to a higher level in the backfill material. Concentrations in well GD-2 had overall gradually increased for several years but declined in 2006 and 2007 prior to an overall larger increase in 2008 through 2021. The recent sulfate concentrations in well GD-2 indicate the QR aquifer near well GD-2 are affected by the upgradient backfill aquifer water quality.

Figure B-9 also presents sulfate concentrations for additional QR wells. This figure shows that sulfate concentrations in backfill well GF-11, which is upgradient of QR well GF-6, were decreasing in 2006 and 2007, overall steady in 2008 through 2017, a very gradual increasing trend in 2018 through 2020 and a decline in 2021 with all of these concentrations lower than the historic peak in 2001. Future monitoring is needed to define the maximum sulfate concentration in this backfill aquifer which may have been defined in 2001 and 2002. The sulfate concentrations gradually increased in well GF-6, downgradient of well GF-11 with a very gradual increasing trend which has occurred over the last two decades. Sulfate concentrations for the last several years has

also overall very gradually increased in QR well GP-5. The large increase in the last sulfate concentration in well GP-5 needs to be confirmed before giving it any significance. The sulfate in well GLEV-1 is very small and steady in 2021.

Figure B-10 presents the sulfate concentrations for KLM aquifer wells GP-2, GP-4 and GP-8. Sulfate concentrations in eastern well GP-2 have varied significantly but were similar in 2012 through 2021 to historic values. These changes are within the natural historic range defined at this well prior to mining in this area. Overall steady sulfate concentrations in well GP-4 have existed the last few years with some years at lower levels and others at higher concentrations but all within historical range for sulfate from this well. Sulfate concentrations in well GP-8 have stayed steady and small as mining approaches this area.

Sulfate concentrations for the HI aquifer wells are presented in Figures B-11 and B-12. The sulfate concentrations in the HI aquifer wells in Figure B-11 are fairly similar except for the values in backfill well GF-7, which are substantially greater than those in downgradient well GF-4. Steady to very gradual decrease in sulfate concentrations have been observed in well GF-4 after a very gradual increase for several years. These small variations are well within the natural variation of sulfate concentrations in the HI aquifer but could be defining the very small effects of the backfill aquifer upgradient. Sulfate concentrations in backfill well GF-7 overall gradually declined in 2010 through 2014 and overall steady in 2015 through 2021 with smaller values in 2018 and 2019. The water levels for the last few years have been fairly similar in well GF-7, indicating that these changes are not due to new backfill being saturated but likely due to variations in recharge. Sulfate concentrations have stayed low and steady in backfill well GF-5 in 2021. These small changes may be defining the very small effects of upgradient mining but the changes are well within natural

ranges. This monitoring indicates that if the HI aquifer has been affected in wells GF-4 and GF-5 by upgradient mining, it has been very small.

Sulfate concentrations in well GMP-1, which are shown on Figure B-12, have been highly variable indicating an increasing trend during 2006 and 2007 and an overall similar increasing trend in 2008 through 2017. The 2021 data is very similar to the 2017 and 2018 values and indicates steady concentrations except for the two lower values in 2019. The water level in well GMP-1 had been gradually increasing for several years prior to being steady the last eight years and then increasing in 2021. Sulfate concentrations may stay higher and variable in this well for several years. Sulfate concentrations in this well are influenced by the sulfate concentrations in the backfill aquifer upgradient of GMP-1. The sulfate concentrations in well GP-3 had shown a gradual increasing trend but concentrations had been steady the last sixteen years until the slightly smaller concentrations in 2018 through 2021. Sulfate concentrations in eastern HI aquifer well GC-1 have been similar to the previous values in well GMP-1 and had to be natural until the last few years. The sulfate concentration in well GLEV-3 are similar to those in well GMP-1 but have to be natural due to the ground-water flow direction at this well. Therefore, an upper limit for sulfate concentration that is greater than 600 mg/l may be needed to indicate that the increases may be due to the mining operation. The 2021 value from well GC-1 was similar to past values but significantly less than the value to the east from well GLEV-3.

Figure B-13 presents the sulfate concentrations for three 3rd White Sandstone wells. The sulfate values from well P-8 have overall very gradually decreased the last seven years while they have been elevated for more than twenty years. The magnitude and timing of the prior increase in sulfate concentrations in well P-8 indicate that this is due to mining. The sulfate changes in wells 81-03A, CY-3, GC-2 and GP-9 are within the natural range of concentrations for this aquifer.

Figure B-14 presents the sulfate concentrations for alluvial wells CY-A, GC-3, P-1, J-1 and COY. The sulfate concentrations in alluvial well P-1 have been variable with recent values slightly higher than historical natural values for this well. The sulfate concentrations for Johnson Gulch well, J-1, gradually increased the last few years with these recent values being slightly higher than the natural levels in the Flume Gulch alluvium at well COY. The sulfate value for the Coyote alluvial well CY-A is similar to the alluvial J-1 and P-1 concentrations. Sulfate concentrations in the Flume Gulch wells (GC-3 and COY) have fluctuated from approximately 300 to 1200 mg/l. The natural variability in sulfate concentrations for the surficial alluvial aquifers in this area would be expected to be large and the full range of historical natural values may have not been defined.

3.3 pH

Field pH is an important parameter to monitor because some coal spoils have the potential to increase acidity of the ground water, which increases the mobility of most of the heavy metals. A pH of less than 5 would generally be needed to greatly increase the mobility of heavy metals.

Available pH data is tabulated in Table B-1 of Appendix B. The field pH values for the new CY wells are all above neutral with the field pH above 8 for 3rd White Sandstone wells CY-3 and 81-03A. The field pH of water from the GC wells has generally been slightly above 7.0 and has been at similar values since the initiation of disturbance in this area.

Field pH from well GD-2 has been near neutral the last sixteen years. The upgradient mining in the QR seams has not significantly affected the pH in this area of the aquifer. The pH values from backfill well GD-3 are near neutral for 2021, which is near the values in the native aquifer at well GD-2.

Similar pH values were observed for the HI aquifer at well GF-4 in 2021 to those observed in previous years. Backfill well GF-5 had field pH values above 7.0 in 2021, while the field pH for backfill well GF-7 was near neutral. The field pH values in backfill well GF-11 for 2021 were also near neutral and similar to previous years. The field pH in well GF-6 (QR) was also above neutral in 2021.

Well GP-2 (KLM) water was slightly above neutral in 2021. The field pH values for well GP-3 were higher than neutral from the HI aquifer and from well GP-4 above neutral for the KLM aquifer.

Well GP-5 is completed in the QR aquifer and its field pH values are generally above 8. The field pH for well GP-8 (KLM) water had field pH values near 8.0 in 2021. The 3rd White Sandstone aquifer well GP-9 field pH values are typically near neutral.

The alluvial (P-1) and 3rd White Sandstone (P-8) wells in Pyeatt Gulch all contain water with field pH that is generally near neutral. The field pH values for wells GLEV-3 and GMP-1 were near neutral in 2021 while the pH was near 9 in well GLEV-1. The 2021 monitoring did not detect any indication of development of acidic water in the Trapper Mine ground water.

3.4 NH_3 AND NO_3

Concentrations of ammonia and nitrate are presented in Appendix B, starting on page B-56. In general, concentrations of ammonia vary significantly from year to year. Wells 81-03A, CY-1, CY-2, GD-2, GF-5, GF-6, GF-7, GP-2, GP-5, GP-9 and P-8 all contained NH_3 concentrations that are greater than 1.0 mg/l in 2021. Several of these wells are located away from mining and contain natural levels of NH_3 concentrations. All of the NH_3 concentrations observed in 2021 are within the natural range of this constituent at Trapper Mine.

All of the 2021 NO_3 values were below the drinking water standard of 10 mg/l. Well P-5 has historically contained nitrate concentrations above 10 mg/l and this well was dry during the 2021 sampling events.

3.5 OTHER CONSTITUENTS

The major constituents other than bicarbonate and carbonate are presented on pages B-32 through B-43. Declines in sodium concentrations at well GF-7 occurred from 1989 to 1996 with slightly higher values in recent years. Sodium concentrations are much smaller in backfill well GF-11. The SAR values observed in 2021 in water in the Trapper wells were very similar to recently observed and natural values at Trapper Mine. None of the 2021 SAR values indicate a significant trend in this parameter.

The heavy metals with a "t" subscript by their symbol represent total measurements, while the others are dissolved concentrations. The “tr” subscript for iron indicates total recoverable iron. Dissolved and total concentrations are similar for most of the heavy metals, except for iron concentrations in some wells where the total values are significantly greater.

Iron concentrations have varied over large ranges near the mine pits and at distant wells but no consistent trends have been observed. Levels of aluminum, barium, boron, phosphate and manganese have also varied over significant ranges but no consistent trends have been observed. Arsenic, cadmium, chromium, copper and lead concentrations have been low with a few exceptions. Molybdenum, nickel and selenium concentrations have stayed low. The recent radium 226 values have been low and the 2017 through 2021 values for well GF-6 shows that the 2016 value of 5.5 pCi/l was an outlier. The variability of laboratory analysis is greater for this parameter and the 2016 elevated value should not be given any significance.

3.6 SPRING AND SEEP WATER QUALITY

Table B-2 in Appendix B on pages B-68 through B-72 presents the 2012-2021 water-quality data for the springs and seeps at the Trapper Mine. The locations of the springs and seeps that were monitored in 2021 are shown on Maps 2-1, 2-2 and 2-3. Flow from the springs and seeps are shown on Table B-2, which shows that only the East Pyeatt spring exceeded 5 gpm in its discharge rate in 2021. Water quality from the springs and seeps are similar to the ground-water quality for the site. An increase in TDS concentrations was observed in the East Pyeatt Spring in 2000 with fairly similar values in 2021. The TDS for Coyote spring for 2021 was similar to values measured historically for this site.

4.0 SURFACE WATER

Trapper Mine monitored one stream site and sixteen active NPDES discharge sites during 2021. The stream site Flume Gulch (S-1) was sampled during June 2021 to characterize spring flow at this location. Flow was observed at NPDES sites 001, 002, 011 and 020 in 2021. Sites 001, 002 and 011 had flow each month while site 020 had flow only in April during 2021. Baseline stream site East Pyeatt (S3) is also NPDES site 011. Sites were monitored monthly throughout the year. Sites NPDES 008, 009, 017, 018, 019, 021, 022, 023, 024, 025, 026 and 027 did not discharge during 2021. Maps No. 2-1 through 2-3 show the locations of these surface-water sites.

4.1 SURFACE-WATER FLOW

The 2012-2021 flow data tabulated in Appendix C in Table C-1 represents instantaneous measurements associated with NPDES water-quality sampling (see the attached CD in Appendix D for all historical surface-water data). Recorded surface runoff for NPDES 001, 002, 011 and 020 were similar in 2021 to the 2020 flows at the Trapper Mine with small spring peak flows both of these years. The two flows in NPDES 020 were small in 2021 at this site.

Figures C-1 through C-3 present the instantaneous flows versus time for the Trapper NPDES sites for 2021. There was flow during each of the monthly samples of 2021 at NPDES 002 site and flow in the 001 site except for four months. The high flow during sampling for NPDES 001 was only 54 gpm and 179 gpm for site 002 in 2021. Surface flow at NPDES 011 was observed during only three monthly samples with a peak of 54 gpm during three the monthly samples (see Figure C-2). NPDES 020 had a very small flow during the monthly measurement in March and April with a peak of 13 gpm (see Figure C-3).

5.0 SURFACE-WATER QUALITY

Samples were collected from active sites 001, 002, 011, 020 and S-1 during 2021. Analytical results for these surface water samples are presented in Table C-1 (page C-24). The more frequently measured parameters are presented with the first series of values. The less frequent measured parameters are in two separate groups and shown after the first group of parameters in Table C-1. NPDES sites 005, 009, 017, 018, 019, 021, 022, 023, 025, 026 and 027 had no discharge during 2021 and, therefore, no 2021 water quality data is presented.

5.1 TSS

Figures C-4, C-6, C-8, C-10 and C-12 present plots of total suspended solids (TSS) versus time for the sites 001, 002, 011, 020 and S-1. The 2021 TSS values were small and similar to the low range of previously observed values. S-1 TSS value was very small in 2021. Plots of flow versus TSS for the same sites are presented in Figures C-5, C-7, C-9, C-11 and C-13. As expected, a general increase in TSS for an increase in flow is seen in these plots for the historical data from these sites with the 2021 data supporting the historical relationship between flow and TSS.

5.2 CONDUCTIVITY

The conductivity versus time plot for site NPDES 001 shows a similar, but slightly higher, range of conductivity in 1998 through 2021 to the range observed over the previous few years (Figure C-14). The observed 2021 conductivity data plots within the historical range in conductivity for Johnson Gulch (001) for the low flow rates (Figure C-15).

Figure C-16 presents conductivity concentrations versus time for NPDES site 002. The upper range in conductivity in 2011 through 2021 was slightly less than the upper range for the

previous few years. The range in the 2021 conductivity data was similar to the historical range for low flow. Figure C-17 shows a good inverse relationship between flow and conductivity for the data at this site.

The conductivity values for NPDES site 011 are shown Figure C-18, with the value from NPDES site 011 in 2021 plotting in the middle of the observed range. Figure C-19 shows the 2021 conductivity values from site 011 exist in the middle of the previously observed conductivities. Figures C-20 and C-21 present the limited data that has been collected at the NPDES 020 site.

Conductivity of water for site S-1 has been fairly steady with time (Figure C-22). The 2021 conductivity is within the range that has been defined at this site. Figure C-23 presents the conductivity versus flow for the S-1 site. The conductivity measured in 2021 for the S-1 site is in the middle of the range measured for this site.

TDS, conductivity and major constituents tend to increase as the ground-water contribution becomes a larger portion of the flow. The values, in general, are within natural ranges but some increase over baseline has likely occurred at NPDES site 001. No long-term trends are indicated by the major constituents except for NPDES site 001, which may have stabilized after several years of generally increasing.

5.3 OTHER CONSTITUENTS

Field pH values for all sites were very similar in 2021 to previous data. Values typically ranged from near neutral to less than 9 for pH values at the surface water sites. Other constituents analyzed showed little change with all minor constituents within their natural ranges. All values addressed in this report above permitted discharge levels have been addressed in the quarterly NPDES discharge reports (DMR's) and justifications for those values, i.e. storm water, snow cover

melt-out, etc., have been submitted to the proper regulatory authorities. No oil and grease was observed during the surface water sampling in 2021.

6.0 OBSERVED IMPACTS ON THE HYDROLOGIC SYSTEMS OF THE TRAPPER MINE

6.1 GROUND WATER

Water-level changes in the last few years for the QR aquifer have been fairly steady to gradually declining mainly due to near normal to below normal precipitation for the last few years. Water-level changes were observed in QR aquifer wells GD-2, GF-6 and GLEV-1, along with associated backfill wells GD-3 and GF-11. Water levels in wells GD-2 and GD-3 declined in 2006 and these declines are thought to be due to some deep exploration drilling in this area. Water levels rose in 2008 and 2009, with overall steady water levels in 2011 through 2021 in well GD-2. A gradual decline in water level in GD-3 was observed in 2012 through 2015 with overall steady levels since the decline except for a small increase in 2021. Additional monitoring with time is needed to determine the significance of the decline in wells GD-2 and GD-3 but presently well GD-2 has not completely recovered from the 2006 drop. Wells GD-2 and GF-6 are fairly close to mined areas, overall steady water levels in 2013 through 2021 were observed in wells GD-2 and GF-6. The 2012 responses in well GF-11 indicated that water levels declined due to the decrease in precipitation in 2012 with smaller water level changes in 2013 through 2021 with near normal to below normal precipitation. These wells are located near the downgradient toe of D and E pits and/or at the interface of upgradient backfill and the downgradient native QR aquifer. These well locations seem to be relating to changes in precipitation with very little lag in time.

Upgradient mining can cause water-level rises in wells downgradient of the mining by allowing ground water to flow to the downgradient end of the backfilled area quicker. The backfill aquifers are generally more permeable than the native aquifer which also allows ground water to flow faster through the backfill material resulting in more water in the aquifer at this location. The input of additional water to the native aquifer at the north end (toe) of the mine has decreased the

effects mine dewatering has had on water levels in this portion of the aquifer. Water levels in wells GF-6 and GF-11 are thought to be at or above the baseline levels for this reason. The slightly higher water levels in well GD-2 in 1998 than those observed in 1986 after six wet years indicates the post-mine levels under the same conditions may be higher. Springs are not expected to develop at the north end of the D, F and K pits.

The water-level changes for the HI aquifer have generally been influenced less by higher than average recharge in 2005 through 2011, the very low precipitation in 2012, closer to normal in 2013 through 2017, below normal precipitation in 2018, 2020 and 2021 and above normal in 2019. The mining upgradient of HI well GF-4, which occurred several years ago, has been long enough in the past to allow water levels to fully recover. The water levels in this HI aquifer well seem to be varying only slightly with changes in recharge rates. Water levels in this well were overall slightly higher in 2007 through 2021 with the near and above normal precipitation except for the low 2012, 2018, 2020 and 2021 values. The elevation of the backfill springs likely limits the head buildup in the backfill aquifer, which, in turn, limits the maximum head in the downgradient coal aquifer. Fairly steady water-level responses were observed in the two backfill equivalent HI aquifer wells GF-5 and GF-7. Water levels seem to have reached recovered levels in these two wells. The development of backfill springs may limit the maximum water level in some of these areas of the A pit but the backfill aquifer will maintain less fluctuation in water levels down gradient of the pit.

Water levels in most of the backfill areas are depressed and are not likely to ever recover to pre-mine levels except near the northern end of the mine area. Map 2-1 shows that the levels in the backfill and downgradient aquifers are similar. Well pairs GD-3 & GD-2 and GF-11 & GF-6 present water levels that are very similar in water-level elevation for the backfill and downgradient QR aquifer well. Mining is significantly increasing the permeability of the backfill aquifers which is

a benefit relative to potential yields from the aquifer. The increased permeability will likely not allow water levels to recover to pre-mine levels in the reclaimed pits except near the northern (down-dip) end of the mined area, where levels may be limited by the elevation of backfill springs from the northern pits in this area.

Significant drawdown has developed adjacent to the pits but the extent of these drawdowns is very limited due to the small transmissivity in these aquifers. Recovery of the water levels has occurred over a few years as the pits have moved away from an area. Some water levels will likely not recover to their pre-mine levels due to the different flow characteristics developed with the backfill aquifer and the controlling of the maximum head by backfill springs.

Variations in natural recharge to the 2nd White Sandstone affect this aquifer greatly. Mining effects on the system have not been detected but could be observed in the near future with the I pit HWM.

The TDS of water in backfill wells GD-3 and GF-5 are somewhat higher but similar to those of the native aquifers in these areas. TDS for GF-5 is approximately 1.5 times the pre-mine value but is within natural variability of this aquifer. TDS values for backfill wells GF-7 and GF-11 are much higher than the naturally observed concentrations. TDS in well GF-7 has shown some decline from the peak values in the early 1990's and has been fairly steady for the last nineteen years at a slightly lower level. An overall very gradual decline is being observed the last few years. The TDS values in well GF-11 may have reached its peak in 2001, currently values are much lower than its peak and have been relatively steady from 2006 through 2020 with a very gradual increasing trend but the 2021 data shows a gradual decline is starting. It is likely that the TDS will remain higher for many years before returning to pre-mine concentrations in these two wells. The change in major constituent concentration in water in these two wells will likely decrease during wet cycles

and gradually decline as readily soluble constituents are removed. The water quality in QR well GF-6 has been only slightly affected by the upgradient mining while well GD-2's water quality has been affected more. The remainder of the QR wells are located away from present mining activities and likely not affected.

The water quality in HI aquifer well GP-3, which is close to the reclaimed A pit, has not been influenced by mining. TDS concentrations were steady for the last few years in well GF-4 after a slight increase for several previous years. This small change may be due to mining but is within natural variations for this aquifer. The water quality in HI well GMP-1 likely has been affected by mining. Its concentrations were within the range of natural concentrations until the increase in the last fifteen years. The water quality in HI well GC-1, downgradient of the mining in this area, increased in 2005 but returned to previous level in 2006 through 2021. The water quality in HI well GP-7, which is east of the areas mined, had not been affected prior to going dry in 2018. The TDS from the new HI aquifer well GLEV-3 indicates the natural level in this aquifer can be higher at some locations.

The 3rd White Sandstone wells GC-2 and GP-9 are downgradient of mining starting in 2000 and changes in water quality in these wells in 2021 are similar to previous natural changes. TDS concentrations in 3rd White Sandstone well P-8 were large in 1996 through 2021 and the magnitude and timing of this increase makes it likely that it was caused by upgradient mining in the A pit. Well CY-3 will be used to determine if the I and J pit HWM in the future affects this aquifer.

Significant changes in TDS concentrations have been observed in the alluvial wells GC-3, P-1, J-1, and COY. The changes in the Flume alluvial wells had to be natural prior to 2000, while some of the changes in J-1 water could be due to mining. Overall, the TDS for J-1 were higher than normal from 2000 to 2021 and is slightly higher than the natural levels in the COY alluvial well.

The variations in 2021 TDS in Pyeatt alluvial well P-1 are slightly higher than natural levels observed for the alluvial aquifers and could be slightly affected by mining. The full range of TDS in the alluvial aquifers would be expected to be large in this surficial aquifer and may have not been defined at the Trapper site.

Sulfate concentrations in well GF-4 were fairly steady in 2021 while the sulfate concentrations in well GD-3 overall had been fairly steady but a very gradual increasing trend is being observed in the last few years. Sulfate concentrations in well P-8 overall have been at similar levels in recent years while the 2020 and 2021 values indicate a gradual rise. Concentrations have overall been steady in well GF-11 for the last several years after declining from a peak but the 2020 and 2021 values indicate a very gradual decline. Sulfate concentrations have overall increased during 2006 through 2017 in well GMP-1 with recent values indicating overall steady concentrations. Sulfate concentrations in well GF-7 were variable but overall gradually declined for the last several years to a level less than its maximum level in the early 1990's. Sulfate in wells GD-3, GF-7, GMP-1, GF-11 and P-8 have likely been affected by mining while the remainder of the increases could be from natural variation, mining or a combination of both. The last value from well GP-5 is much higher but need confirmation prior to giving it any significance.

The pH values for all of the Trapper wells are within the range of natural values for these aquifers. The pH values for the four backfill wells are within the range observed in the other aquifers.

High SAR values are naturally common in the Trapper ground water. Mining does not seem to have affected the SAR values at this site. Sodium values at well GF-7 have varied significantly but, overall, have been fairly steady over the last few years.

The minor constituent variations have been erratic. No changes in these constituents are thought to be attributed to mining. The 2017 through 2021 radium 226 concentrations have been small which shows that the higher value from well GF-6 in 2016 was a laboratory outlier. The variations in radium 226 concentrations are not thought to be due to the mining.

6.2 SURFACE WATER

Peak flows for the surface water sites at Trapper Mine in 2021 were smaller than peak flows in 2019. The precipitation in 2021 was 12.02 inches, or below the 43-year average for the Trapper Project of 16.4 inches. The previous seven years of annual precipitation to 2005 had been below normal precipitation prior to the larger precipitation in 2005 through 2011, then the very low precipitation in 2012, the near normal in 2013, the slightly above normal precipitation in 2014 and 2015, slightly below normal in 2016, above normal in 2017 and 2019 and below normal in 2018, 2020 and 2021. No failures or monitoring site problems were encountered during 2021 and no compliance limits were exceeded in 2021.

Values of total suspended solids (TSS) were generally on the low side of ranges observed in previous years. Total dissolved solids (TDS) were generally in an indirect relationship with flow rate when adequate flow occurred at a site to determine the relationship. The TDS of the surface water from the mine area is similar to the TDS from the non-mined area and, therefore, an increase has not been defined, except for an increase in TDS during low flow conditions at NPDES sites 001 and 011. The TDS, conductivity and major constituents varied over expected ranges with an increase in values as ground-water flow to the stream becomes a larger portion of the total flow. The SAR values measured in 2021 were within the natural ranges for this site. Other chemical constituents analyzed from samples collected from the surface water sites showed little change. The

variations and magnitude in iron concentration observed in 2021 were within the range of natural values for these sites. The total aluminum concentrations observed in 2021 were also within the range in concentrations observed in previous years. The remainder of the minor constituents measured in 2021 were low and within natural ranges. Monitoring data indicates that Trapper Mine sediment control structures prevented any significant impacts on the surface water systems downgradient of the mine in 2021.

7.0 REFERENCES

Hydro-Engineering, 1986, Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1987, Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1988, 1987 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1989, 1988 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1990, 1989 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1991, 1990 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1992, 1991 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1993, 1992 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1994, 1993 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1995, 1994 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, 1996, 1995 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 1997, 1996 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 1998, 1997 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 1999, 1998 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2000, 1999 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2001, 2000 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2002, 2001 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2003, 2002 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2004, 2003 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2005, 2004 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2006, 2005 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2007, 2006 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2008, 2007 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2009, 2008 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2010, 2009 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2011, 2010 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2012, 2011 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2013, 2012 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2014, 2013 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2015, 2014 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2016, 2015 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2017, 2016 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2018, 2017 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2019, 2018 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2020, 2019 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

Hydro-Engineering, L.L.C., 2021, 2020 Annual Hydrologic Report, Consulting Report for Trapper Mining, Inc.

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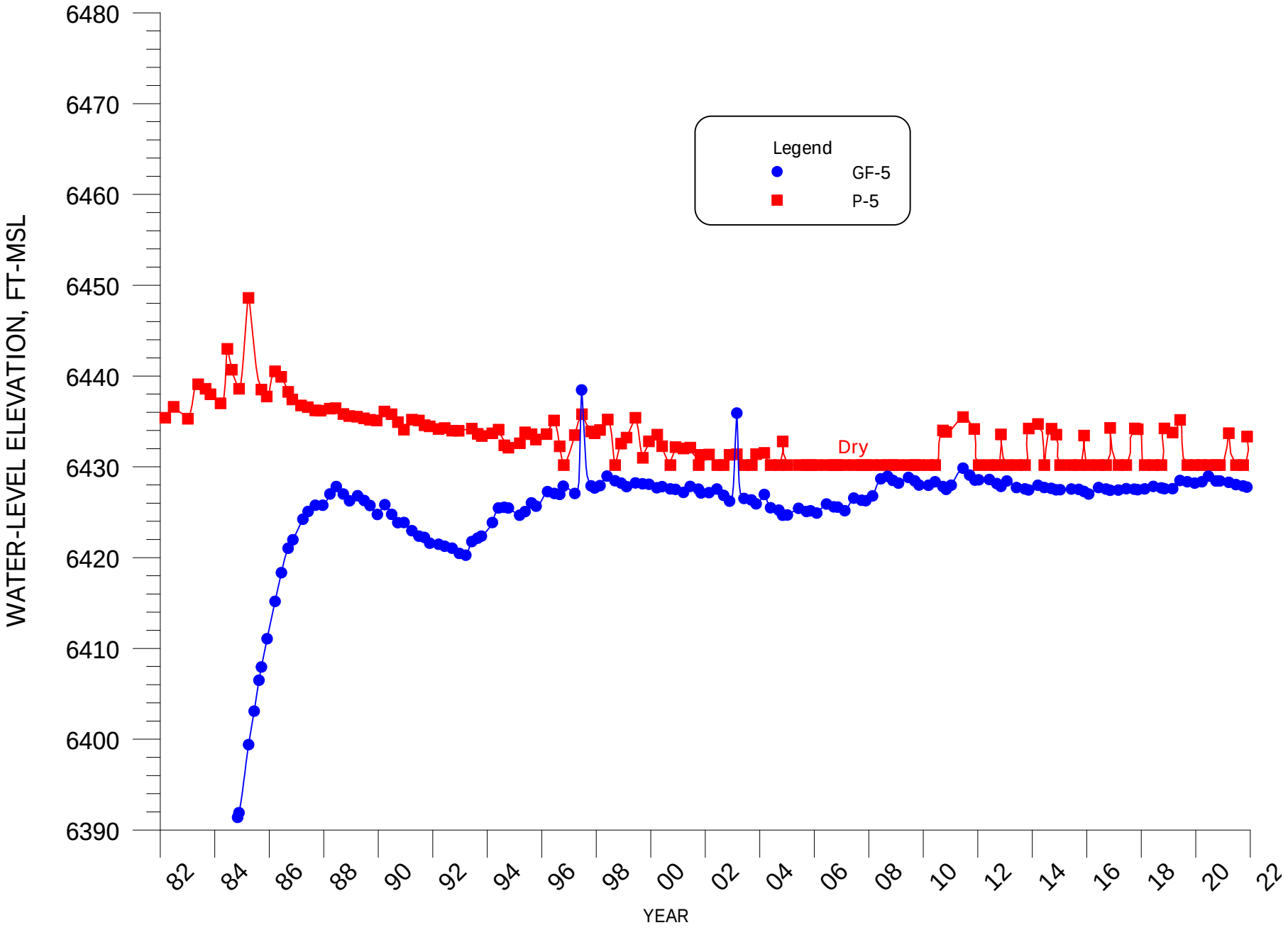

FIGURE A-1. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GF-5 AND P-5.

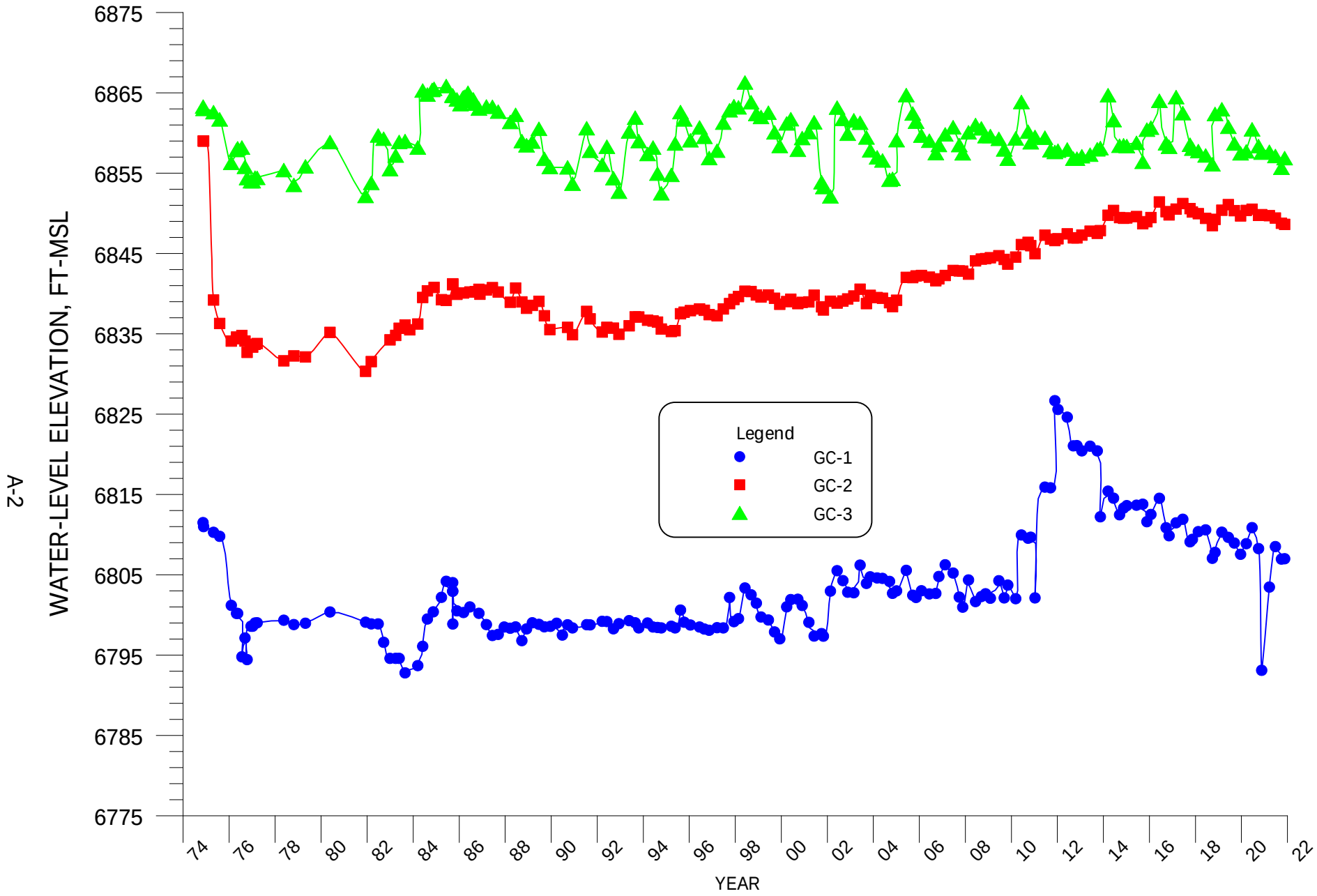

FIGURE A-2. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GC-1, GC-2 AND GC-3.

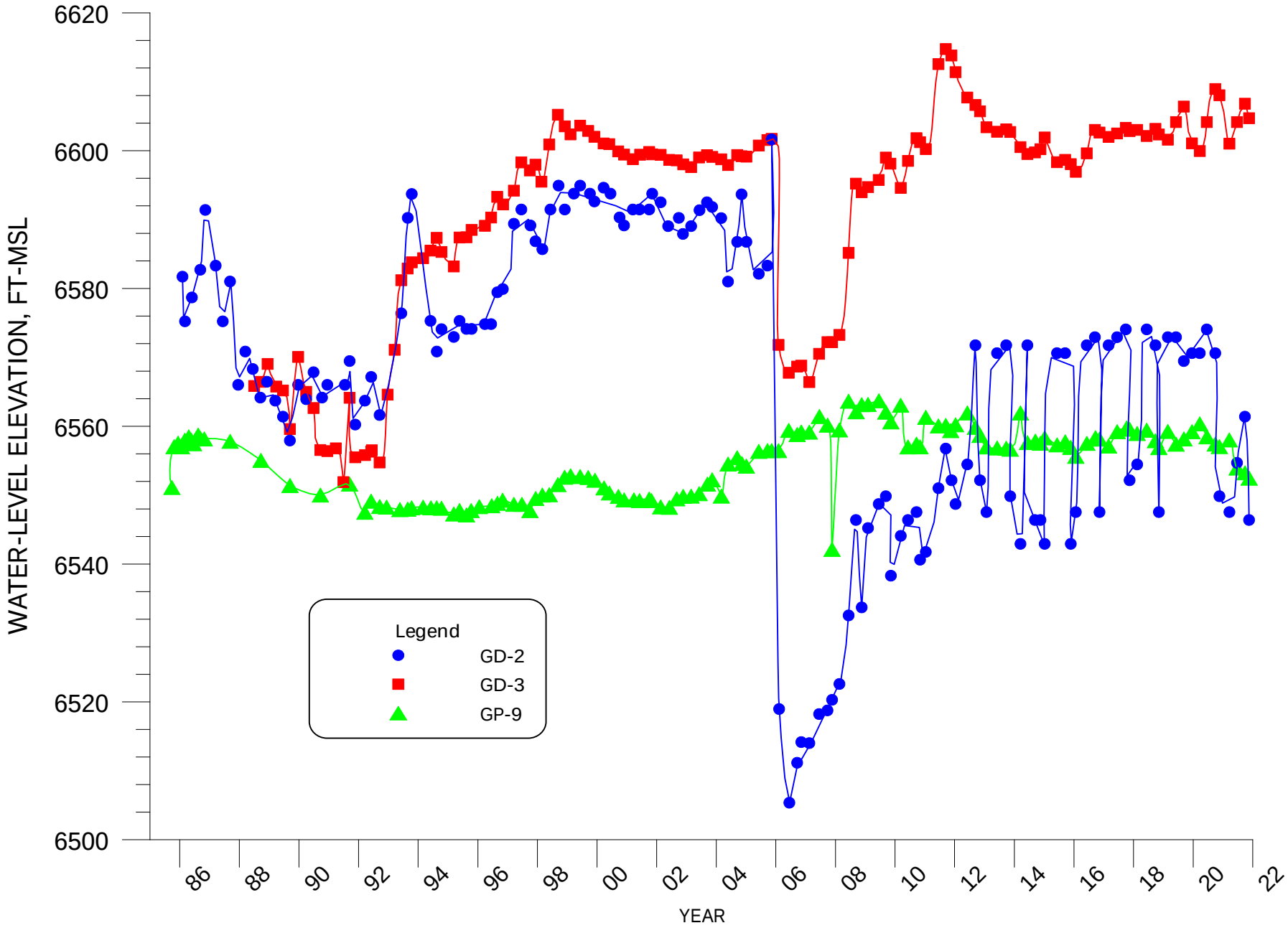

FIGURE A-3. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GD-2, GD-3 AND GP-9.

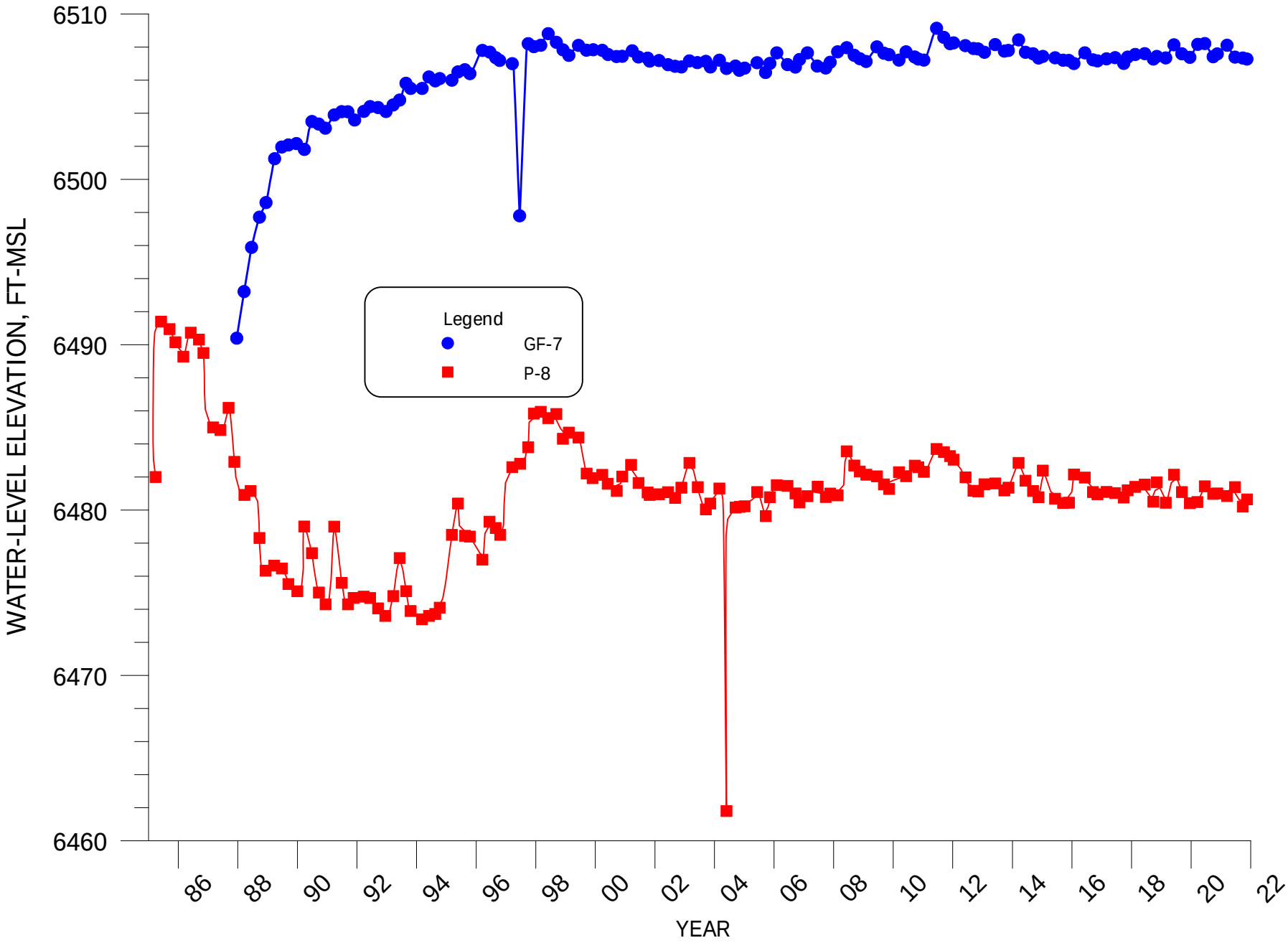

FIGURE A-4. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GF-7 AND P-8.

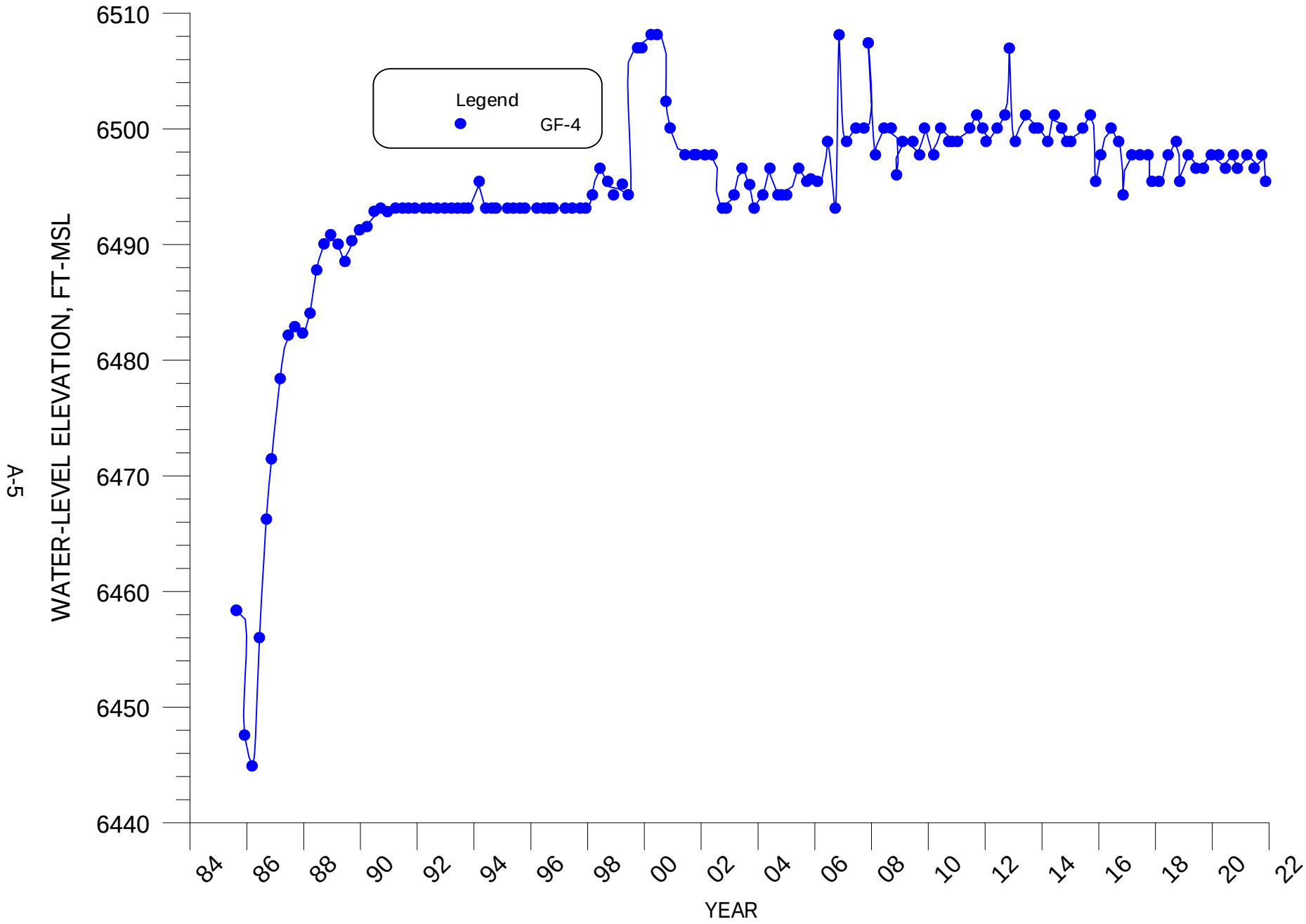

FIGURE A-5. WATER-LEVEL ELEVATION VERSUS TIME FOR WELL GF-4.

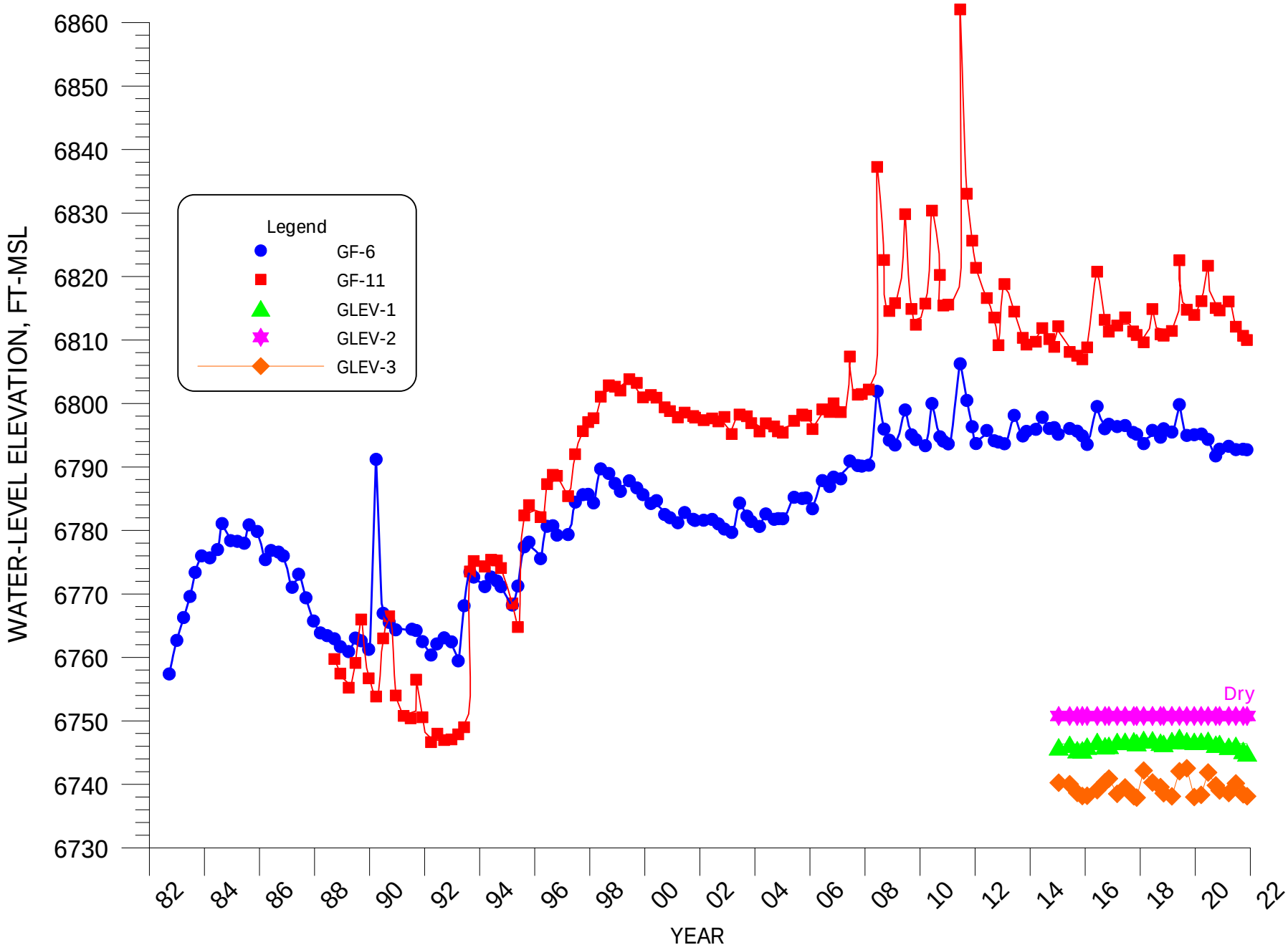

FIGURE A-6. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GF-6, GF-11, GLEV-1. GLEV-2 AND GLEV-3.

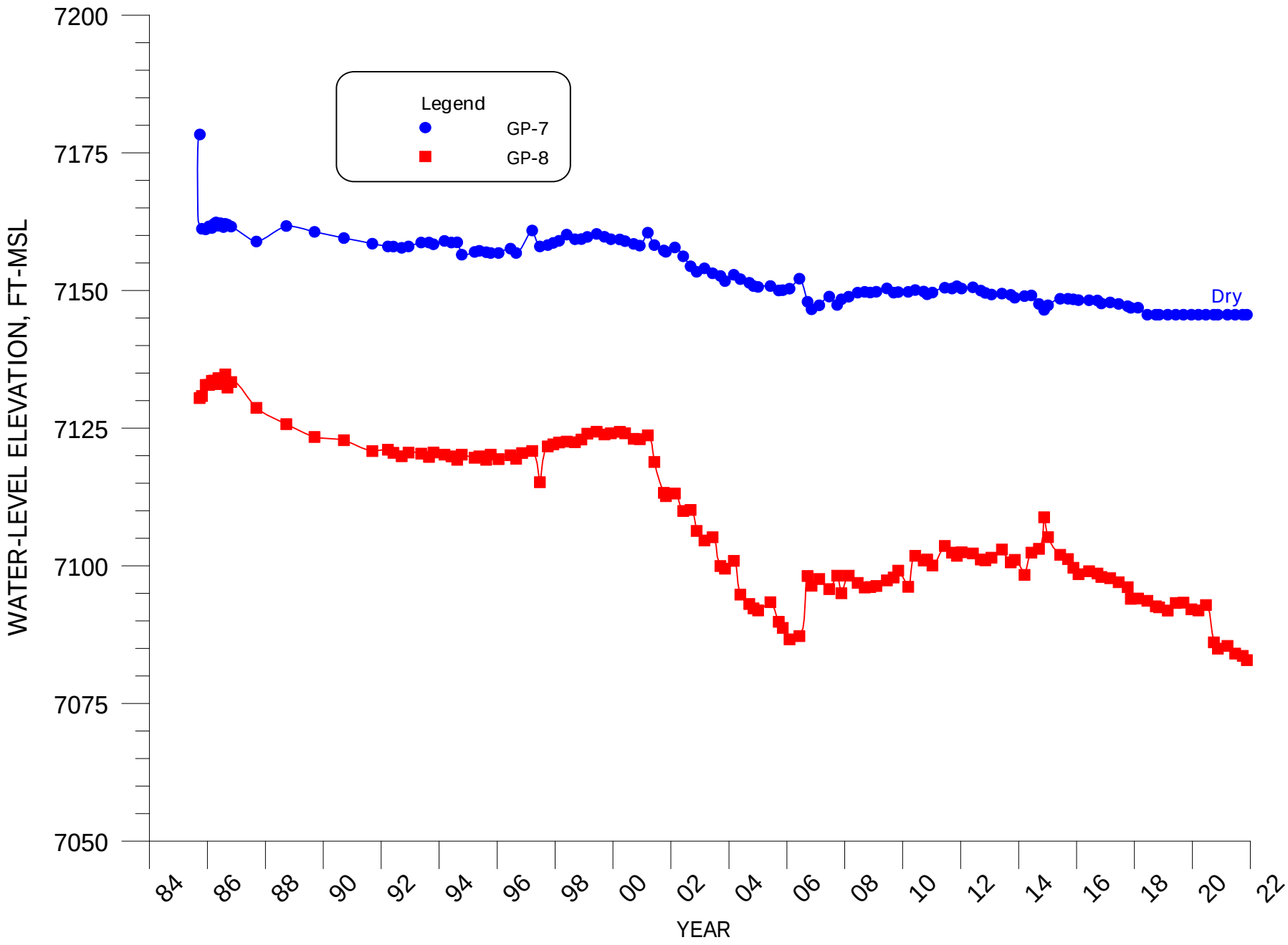

FIGURE A-7. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GP-7 AND GP-8.

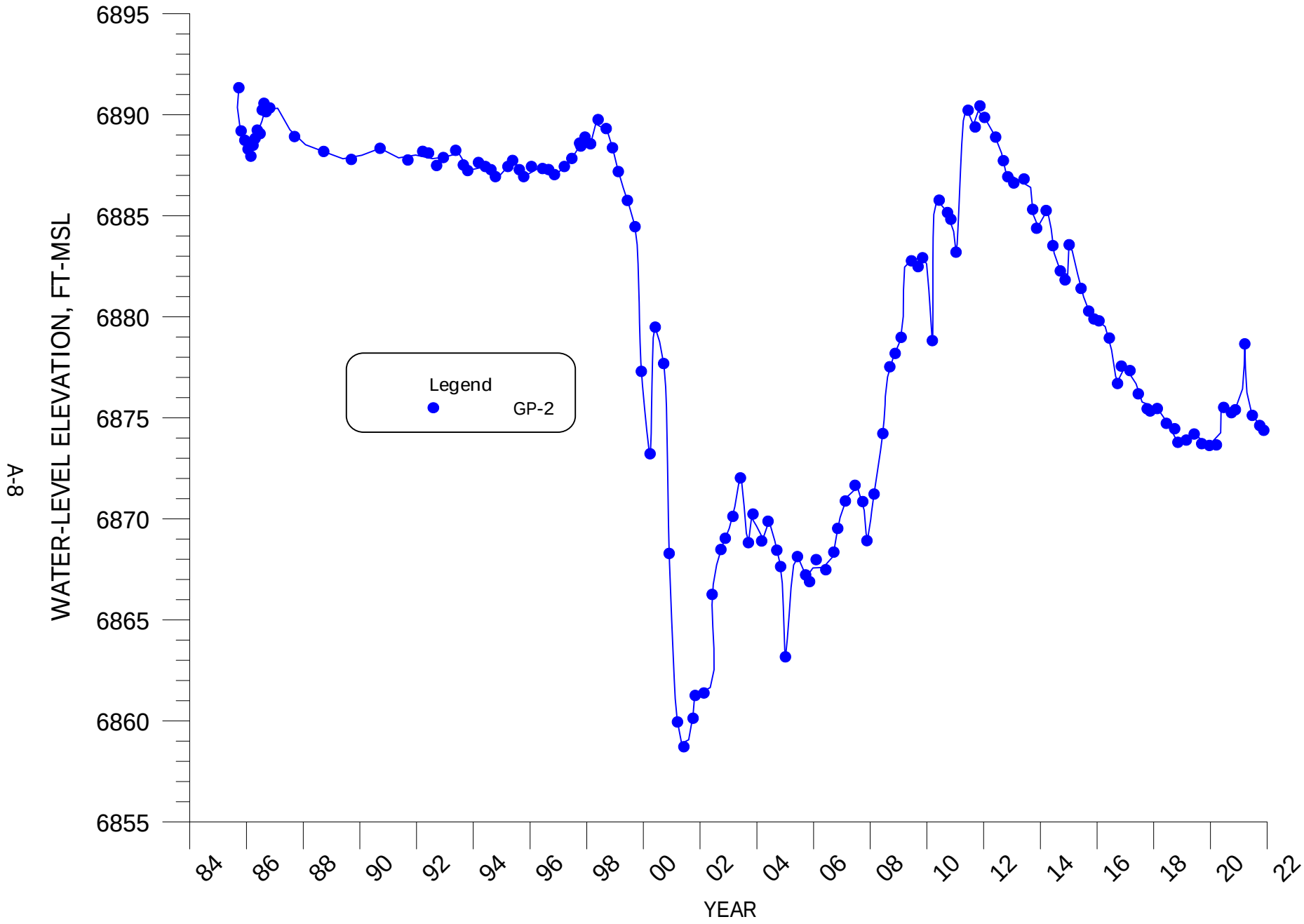

FIGURE A-8. WATER-LEVEL ELEVATION VERSUS TIME FOR WELL GP-2.

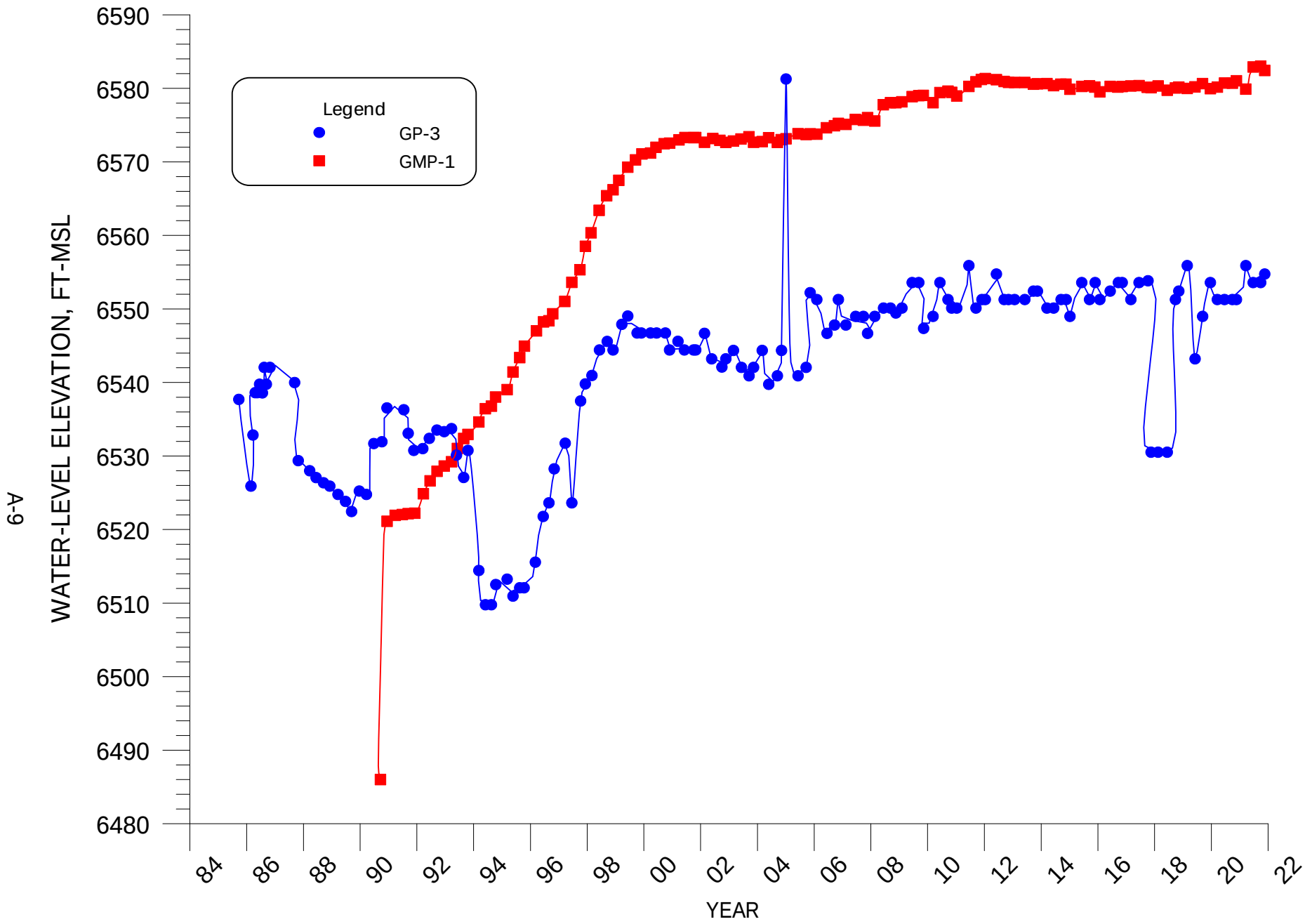

FIGURE A-9. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GP-3 AND GMP-1.

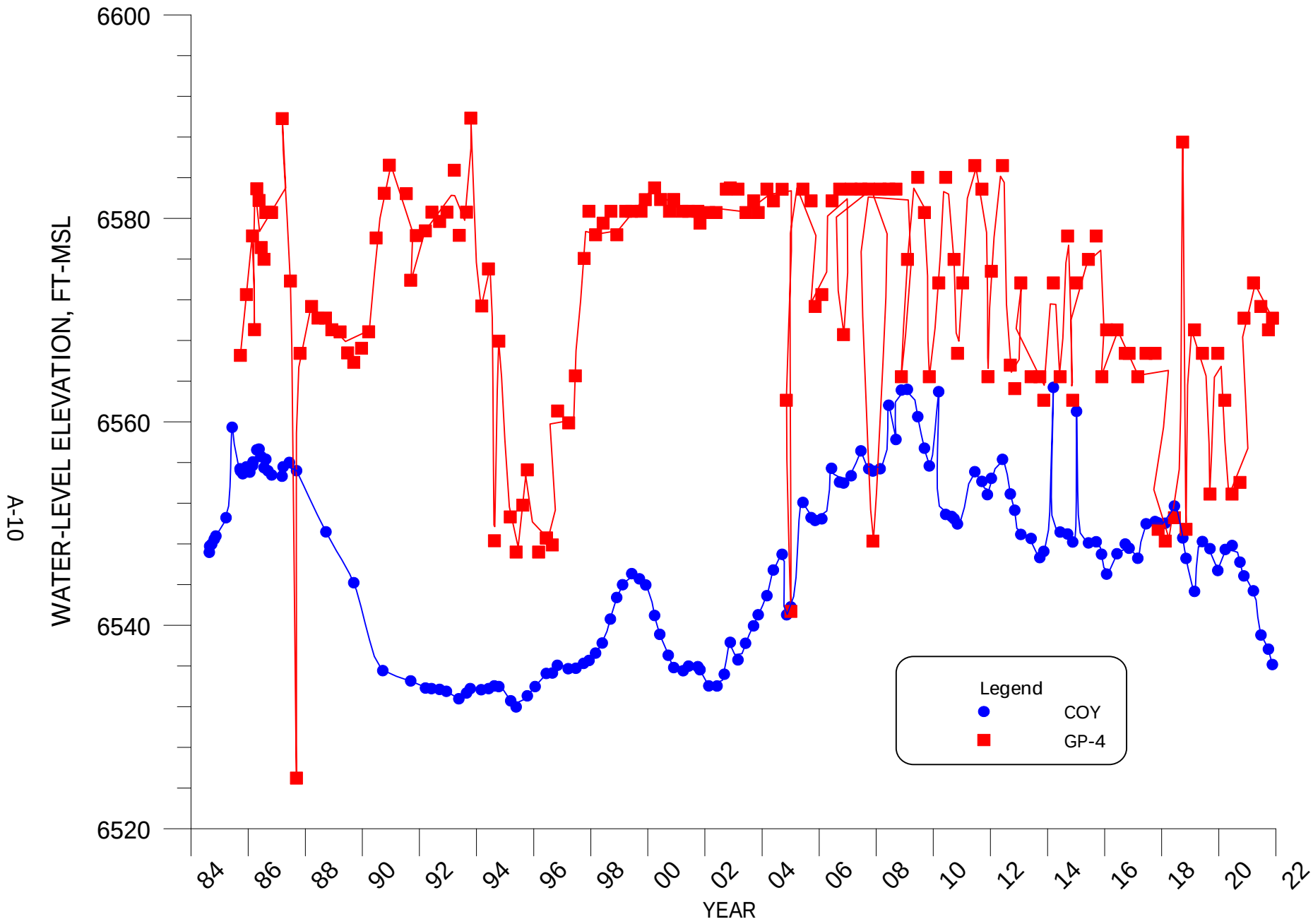

FIGURE A-10. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS COY AND GP-4.

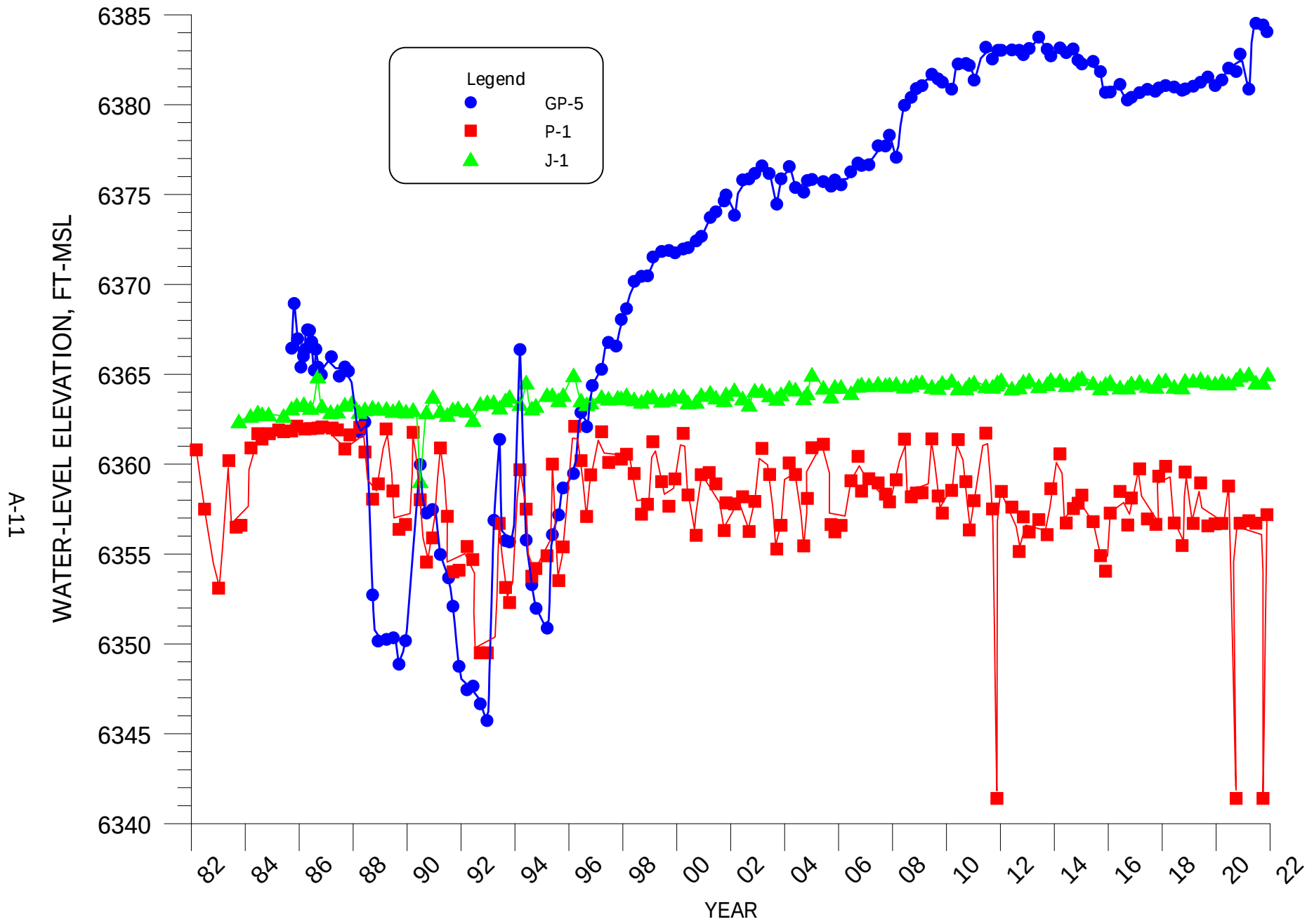

FIGURE A-11. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS GP-5, P-1 AND J-1.

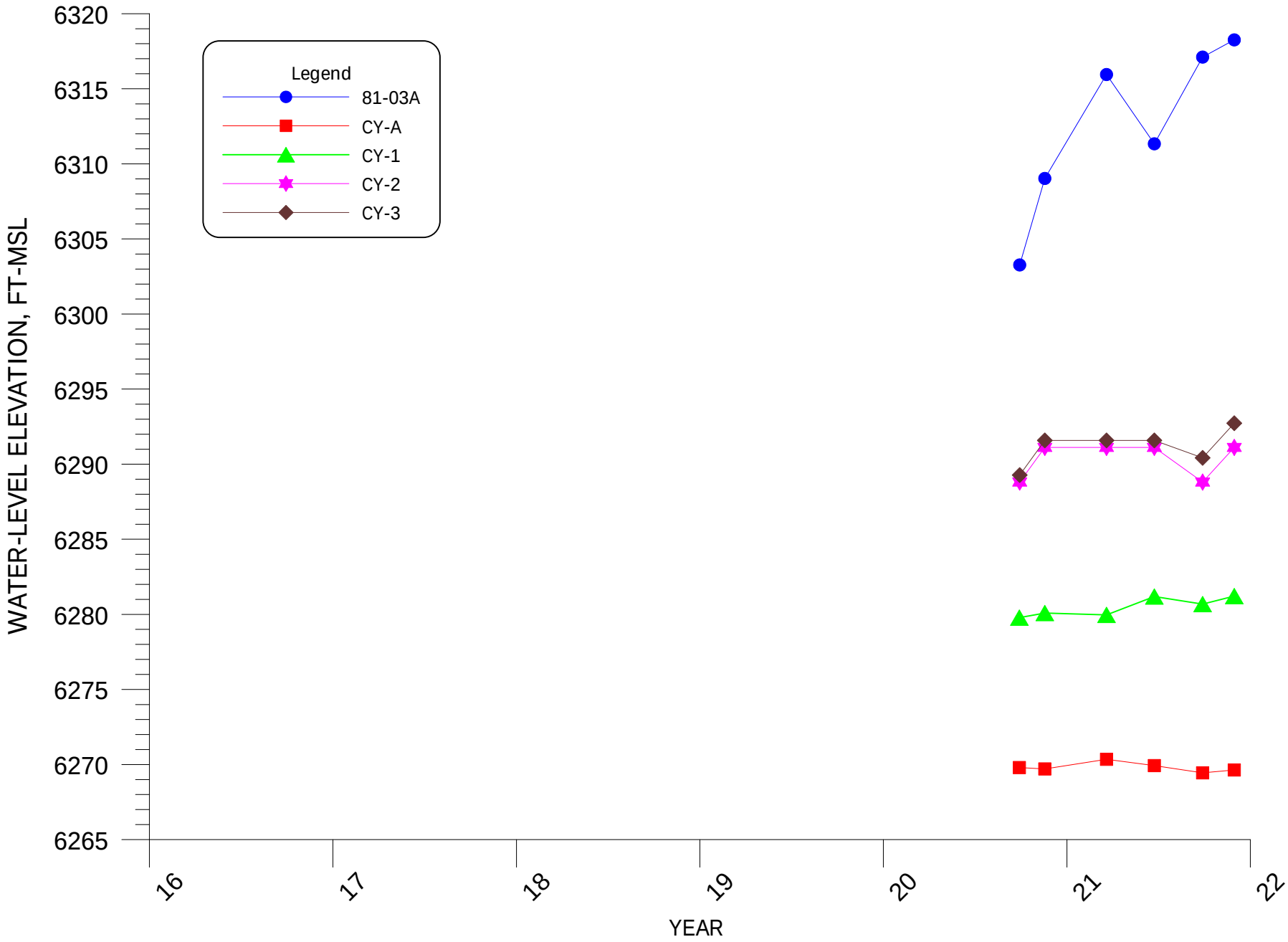

FIGURE A-12. WATER-LEVEL ELEVATION VERSUS TIME FOR WELLS 81-03A, CY-A, CY-1, CY-2 AND CY-3.

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY.

WATER-LEVEL ELEVATION (FT-MSL)

81-03A

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
9/29/2020	-74.97	6303.27
11/18/2020	-80.73	6309.03
3/21/2021	-87.65	6315.95
6/24/2021	-83.04	6311.34
9/28/2021	-88.81	6317.11
11/30/2021	-89.96	6318.26

COY

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	26.13	6554.44
6/5/2012	24.26	6556.31
9/12/2012	27.66	6552.91
11/7/2012	29.27	6551.30
1/24/2013	31.64	6548.93
6/5/2013	32.03	6548.54
9/25/2013	33.92	6546.65
11/13/2013	33.31	6547.26
3/17/2014	17.18	6563.39
6/11/2014	31.41	6549.16
9/15/2014	31.60	6548.97
11/18/2014	32.39	6548.18
1/8/2015	19.54	6561.03
6/9/2015	32.48	6548.09
9/16/2015	32.36	6548.21
11/23/2015	33.58	6546.99
1/26/2016	35.55	6545.02
6/8/2016	33.54	6547.03
9/21/2016	32.58	6547.99
11/10/2016	33.00	6547.57
3/1/2017	33.98	6546.59
6/15/2017	30.59	6549.98
10/8/2017	30.37	6550.20
11/15/2017	30.51	6550.06
2/15/2018	30.55	6550.02
6/12/2018	28.85	6551.72
9/27/2018	31.98	6548.59
11/8/2018	34.00	6546.57
2/25/2019	37.24	6543.33
6/6/2019	32.34	6548.23
9/10/2019	33.04	6547.53
12/18/2019	35.19	6545.38
3/23/2020	33.12	6547.45
6/19/2020	32.73	6547.84
9/29/2020	34.36	6546.21
11/18/2020	35.71	6544.86
3/20/2021	37.19	6543.38
6/24/2021	41.53	6539.04
9/28/2021	42.91	6537.66
11/17/2021	44.42	6536.15

CY-1

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
9/28/2020	9.21	6279.78
11/18/2020	8.90	6280.09
3/21/2021	9.03	6279.96
6/24/2021	7.80	6281.19
9/28/2021	8.31	6280.68
11/30/2021	7.77	6281.22

CY-2

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
9/29/2020	0.00	6288.81
11/18/2020	-2.31	6291.12
3/21/2021	-2.31	6291.12
6/24/2021	-2.31	6291.12
9/28/2021	0.00	6288.81
11/30/2021	-2.31	6291.12

CY-3

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
9/29/2020	0.00	6289.27
11/18/2020	-2.31	6291.58
3/21/2021	-2.31	6291.58
6/24/2021	-2.31	6291.58
9/28/2021	-1.15	6290.42
11/30/2021	-3.46	6292.73

CY-A

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
9/28/2020	19.76	6269.79
11/18/2020	19.85	6269.70
3/21/2021	19.21	6270.34
6/24/2021	19.63	6269.92
9/28/2021	20.10	6269.45
11/30/2021	19.91	6269.64

GC-1

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	45.71	6825.59
6/5/2012	46.67	6824.63
9/12/2012	50.24	6821.06
11/7/2012	50.22	6821.08
1/24/2013	50.86	6820.44
6/5/2013	50.28	6821.02
9/25/2013	50.87	6820.43
11/13/2013	59.06	6812.24
3/17/2014	55.89	6815.41
6/11/2014	56.75	6814.55
9/15/2014	58.82	6812.48
11/18/2014	57.98	6813.32
1/8/2015	57.69	6813.61
6/9/2015	57.63	6813.67
9/16/2015	57.50	6813.80
11/23/2015	59.68	6811.62
1/26/2016	58.79	6812.51
6/8/2016	56.76	6814.54
9/21/2016	60.44	6810.86
11/10/2016	61.44	6809.86
3/1/2017	59.82	6811.48
6/15/2017	59.39	6811.91
10/8/2017	62.19	6809.11
11/15/2017	61.89	6809.41
2/15/2018	60.92	6810.38
6/12/2018	60.70	6810.60
9/27/2018	64.24	6807.06
11/8/2018	63.50	6807.80
2/25/2019	60.98	6810.32
6/6/2019	61.63	6809.67
9/10/2019	62.34	6808.96
12/18/2019	63.74	6807.56
3/18/2020	62.41	6808.89
6/19/2020	60.41	6810.89
9/29/2020	63.04	6808.26
11/18/2020	78.18	6793.12
3/20/2021	67.82	6803.48
6/24/2021	62.79	6808.51
9/28/2021	64.34	6806.96
11/18/2021	64.30	6807.00

- GC-1

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

GC-2

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	24.46	6846.84
6/5/2012	23.85	6847.45
9/12/2012	24.35	6846.95
11/7/2012	24.35	6846.95
1/24/2013	24.00	6847.30
6/5/2013	23.51	6847.79
9/25/2013	23.78	6847.52
11/13/2013	23.45	6847.85
3/17/2014	21.53	6849.77
6/11/2014	20.93	6850.37
9/15/2014	21.81	6849.49
11/18/2014	21.90	6849.40
1/8/2015	21.86	6849.44
6/9/2015	21.70	6849.60
9/16/2015	22.59	6848.71
11/23/2015	22.34	6848.96
1/26/2016	21.81	6849.49
6/8/2016	19.89	6851.41
9/21/2016	21.08	6850.22
11/10/2016	21.49	6849.81
3/1/2017	20.77	6850.53
6/15/2017	20.06	6851.24
10/8/2017	20.71	6850.59
11/15/2017	21.14	6850.16
2/15/2018	21.34	6849.96
6/12/2018	21.92	6849.38
9/27/2018	22.81	6848.49
11/8/2018	22.05	6849.25
2/25/2019	20.90	6850.40
6/6/2019	20.22	6851.08
9/10/2019	20.97	6850.33
12/18/2019	21.62	6849.68
3/18/2020	20.94	6850.36
6/19/2020	20.79	6850.51
9/29/2020	21.55	6849.75
11/18/2020	21.47	6849.83
3/20/2021	21.58	6849.72
6/24/2021	21.89	6849.41
9/28/2021	22.53	6848.77
11/18/2021	22.67	6848.63

GC-3

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	14.79	6857.81
6/5/2012	14.65	6857.95
9/12/2012	15.79	6856.81
11/7/2012	15.78	6856.82
1/24/2013	15.48	6857.12
6/5/2013	15.29	6857.31
9/25/2013	14.61	6857.99
11/13/2013	14.46	6858.14
3/17/2014	7.89	6864.71
6/11/2014	10.99	6861.61
9/15/2014	14.19	6858.41
11/18/2014	14.12	6858.48
1/8/2015	14.22	6858.38
6/9/2015	13.81	6858.79
9/16/2015	16.19	6856.41
11/23/2015	12.18	6860.42
1/26/2016	11.94	6860.66
6/8/2016	8.59	6864.01
9/21/2016	13.86	6858.74
11/10/2016	14.30	6858.30
3/1/2017	8.12	6864.48
6/15/2017	10.12	6862.48
10/8/2017	14.05	6858.55
11/15/2017	14.54	6858.06
2/15/2018	14.85	6857.75
6/12/2018	15.38	6857.22
9/27/2018	16.49	6856.11
11/8/2018	10.22	6862.38
2/25/2019	9.63	6862.97
6/6/2019	11.81	6860.79
9/10/2019	13.90	6858.70
12/18/2019	15.11	6857.49
3/18/2020	14.86	6857.74
6/19/2020	12.13	6860.47
9/29/2020	14.21	6858.39
11/18/2020	15.04	6857.56
3/20/2021	14.93	6857.67
6/24/2021	15.45	6857.15
9/28/2021	16.91	6855.69
11/18/2021	15.72	6856.88

GD-2

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	-19.61	6548.71
6/4/2012	-25.37	6554.47
9/11/2012	-42.67	6571.77
11/7/2012	-23.07	6552.17
1/24/2013	-18.45	6547.55
6/4/2013	-41.52	6570.62
9/24/2013	-42.67	6571.77
11/13/2013	-20.76	6549.86
3/17/2014	-13.84	6542.94
6/10/2014	-42.67	6571.77
9/11/2014	-17.30	6546.40
11/17/2014	-17.30	6546.40
1/8/2015	-13.84	6542.94
6/8/2015	-41.52	6570.62
9/15/2015	-41.52	6570.62
11/23/2015	-13.84	6542.94
1/26/2016	-18.45	6547.55
6/7/2016	-42.67	6571.77
9/15/2016	-43.83	6572.93
11/9/2016	-18.45	6547.55
3/1/2017	-42.67	6571.77
6/14/2017	-43.83	6572.93
9/28/2017	-44.98	6574.08
11/15/2017	-23.07	6552.17
2/15/2018	-25.37	6554.47
6/11/2018	-44.98	6574.08
9/26/2018	-42.67	6571.77
11/8/2018	-18.45	6547.55
2/25/2019	-43.83	6572.93
6/4/2019	-43.83	6572.93
9/9/2019	-40.37	6569.47
12/18/2019	-41.52	6570.62
3/23/2020	-41.52	6570.62
6/18/2020	-44.98	6574.08
9/28/2020	-41.52	6570.62
11/18/2020	-20.76	6549.86
3/21/2021	-18.45	6547.55
6/23/2021	-25.60	6554.70
9/27/2021	-32.29	6561.39
11/17/2021	-17.30	6546.40

- GD-2

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

GD-3

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	93.79	6611.41
6/4/2012	97.48	6607.72
9/11/2012	98.55	6606.65
11/7/2012	99.47	6605.73
1/24/2013	101.81	6603.39
6/4/2013	102.45	6602.75
9/24/2013	102.11	6603.09
11/13/2013	102.49	6602.71
3/17/2014	104.67	6600.53
6/10/2014	105.67	6599.53
9/11/2014	105.45	6599.75
11/17/2014	104.98	6600.22
1/8/2015	103.28	6601.92
6/8/2015	106.86	6598.34
9/15/2015	106.53	6598.67
11/23/2015	107.15	6598.05
1/26/2016	108.26	6596.94
6/7/2016	105.58	6599.62
9/15/2016	102.19	6603.01
11/9/2016	102.57	6602.63
3/1/2017	103.20	6602.00
6/14/2017	102.70	6602.50
9/28/2017	101.89	6603.31
11/15/2017	102.33	6602.87
2/15/2018	102.19	6603.01
6/11/2018	103.05	6602.15
9/26/2018	102.03	6603.17
11/8/2018	102.83	6602.37
2/25/2019	103.61	6601.59
6/4/2019	101.04	6604.16
9/9/2019	98.81	6606.39
12/18/2019	104.12	6601.08
3/23/2020	105.24	6599.96
6/18/2020	101.04	6604.16
9/28/2020	96.24	6608.96
11/18/2020	97.15	6608.05
3/21/2021	104.17	6601.03
6/23/2021	101.04	6604.16
9/27/2021	98.39	6606.81
11/17/2021	100.48	6604.72

GF-4

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	-5.77	6498.92
6/4/2012	-6.92	6500.07
9/11/2012	-8.07	6501.22
11/7/2012	-13.84	6506.99
1/24/2013	-5.77	6498.92
6/4/2013	-8.07	6501.22
9/24/2013	-6.92	6500.07
11/13/2013	-6.92	6500.07
3/17/2014	-5.77	6498.92
6/10/2014	-8.07	6501.22
9/11/2014	-6.92	6500.07
11/17/2014	-5.77	6498.92
1/8/2015	-5.77	6498.92
6/8/2015	-6.92	6500.07
9/15/2015	-8.07	6501.22
11/23/2015	-2.31	6495.46
1/26/2016	-4.61	6497.76
6/7/2016	-6.92	6500.07
9/15/2016	-5.77	6498.92
11/9/2016	-1.15	6494.30
3/1/2017	-4.61	6497.76
6/14/2017	-4.61	6497.76
9/28/2017	-4.61	6497.76
11/15/2017	-2.31	6495.46
2/15/2018	-2.31	6495.46
6/11/2018	-4.61	6497.76
9/26/2018	-5.77	6498.92
11/8/2018	-2.31	6495.46
2/25/2019	-4.61	6497.76
6/4/2019	-3.46	6496.61
9/9/2019	-3.46	6496.61
12/18/2019	-4.61	6497.76
3/23/2020	-4.61	6497.76
6/18/2020	-3.46	6496.61
9/28/2020	-4.61	6497.76
11/19/2020	-3.46	6496.61
3/21/2021	-4.61	6497.76
6/23/2021	-3.46	6496.61
9/27/2021	-4.61	6497.76
11/17/2021	-2.31	6495.46

GF-5

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	12.50	6428.57
6/4/2012	12.46	6428.61
9/11/2012	12.91	6428.16
11/7/2012	13.22	6427.85
1/24/2013	12.62	6428.45
6/4/2013	13.34	6427.73
9/24/2013	13.49	6427.58
11/13/2013	13.62	6427.45
3/17/2014	13.11	6427.96
6/10/2014	13.35	6427.72
9/11/2014	13.44	6427.63
11/17/2014	13.60	6427.47
1/8/2015	13.58	6427.49
6/8/2015	13.51	6427.56
9/15/2015	13.56	6427.51
11/23/2015	13.78	6427.29
1/26/2016	14.07	6427.00
6/7/2016	13.34	6427.73
9/15/2016	13.51	6427.56
11/9/2016	13.65	6427.42
3/1/2017	13.63	6427.44
6/14/2017	13.48	6427.59
9/28/2017	13.53	6427.54
11/15/2017	13.58	6427.49
2/15/2018	13.50	6427.57
6/11/2018	13.23	6427.84
9/26/2018	13.39	6427.68
11/8/2018	13.48	6427.59
2/25/2019	13.48	6427.59
6/4/2019	12.58	6428.49
9/9/2019	12.72	6428.35
12/18/2019	12.86	6428.21
3/23/2020	12.71	6428.36
6/18/2020	12.10	6428.97
9/28/2020	12.63	6428.44
11/18/2020	12.63	6428.44
3/19/2021	12.77	6428.30
6/23/2021	13.03	6428.04
9/27/2021	13.18	6427.89
11/17/2021	13.30	6427.77

- GF-5

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

GF-6

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	12.57	6793.69
6/4/2012	10.50	6795.76
9/11/2012	12.13	6794.13
11/7/2012	12.32	6793.94
1/24/2013	12.60	6793.66
6/4/2013	8.11	6798.15
9/24/2013	11.36	6794.90
11/13/2013	10.65	6795.61
3/17/2014	10.32	6795.94
6/10/2014	8.42	6797.84
9/11/2014	10.19	6796.07
11/17/2014	10.05	6796.21
1/8/2015	11.11	6795.15
6/8/2015	10.19	6796.07
9/15/2015	10.62	6795.64
11/23/2015	11.35	6794.91
1/26/2016	12.71	6793.55
6/7/2016	6.74	6799.52
9/15/2016	10.25	6796.01
11/9/2016	9.52	6796.74
3/1/2017	9.89	6796.37
6/14/2017	9.72	6796.54
9/28/2017	10.81	6795.45
11/15/2017	11.11	6795.15
2/15/2018	12.59	6793.67
6/11/2018	10.49	6795.77
9/26/2018	11.56	6794.70
11/8/2018	10.25	6796.01
2/25/2019	10.76	6795.50
6/4/2019	6.42	6799.84
9/9/2019	11.29	6794.97
12/18/2019	11.18	6795.08
3/23/2020	11.07	6795.19
6/18/2020	11.92	6794.34
9/28/2020	14.51	6791.75
11/18/2020	13.44	6792.82
3/19/2021	12.99	6793.27
6/23/2021	13.51	6792.75
9/27/2021	13.48	6792.78
11/17/2021	13.54	6792.72

GF-7

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	2.54	6508.26
6/4/2012	2.71	6508.09
9/11/2012	2.88	6507.92
11/7/2012	2.91	6507.89
1/24/2013	3.11	6507.69
6/4/2013	2.64	6508.16
9/24/2013	3.04	6507.76
11/13/2013	3.00	6507.80
3/17/2014	2.36	6508.44
6/10/2014	3.11	6507.69
9/11/2014	3.20	6507.60
11/17/2014	3.46	6507.34
1/8/2015	3.36	6507.44
6/8/2015	3.44	6507.36
9/15/2015	3.59	6507.21
11/23/2015	3.60	6507.20
1/26/2016	3.79	6507.01
6/7/2016	3.14	6507.66
9/15/2016	3.57	6507.23
11/9/2016	3.63	6507.17
3/1/2017	3.51	6507.29
6/14/2017	3.43	6507.37
9/28/2017	3.78	6507.02
11/15/2017	3.40	6507.40
2/15/2018	3.24	6507.56
6/11/2018	3.19	6507.61
9/26/2018	3.52	6507.28
11/8/2018	3.36	6507.44
2/25/2019	3.45	6507.35
6/4/2019	2.66	6508.14
9/9/2019	3.20	6507.60
12/18/2019	3.42	6507.38
3/23/2020	2.63	6508.17
6/18/2020	2.58	6508.22
9/28/2020	3.38	6507.42
11/18/2020	3.21	6507.59
3/19/2021	2.68	6508.12
6/23/2021	3.40	6507.40
9/27/2021	3.46	6507.34
11/17/2021	3.52	6507.28

GF-11

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	127.63	6821.37
6/4/2012	132.39	6816.61
9/11/2012	135.46	6813.54
11/7/2012	139.80	6809.20
1/24/2013	130.18	6818.82
6/4/2013	134.53	6814.47
9/24/2013	138.65	6810.35
11/13/2013	139.72	6809.28
3/17/2014	139.27	6809.73
6/10/2014	137.13	6811.87
9/11/2014	138.86	6810.14
11/17/2014	140.08	6808.92
1/8/2015	136.84	6812.16
6/8/2015	140.88	6808.12
9/15/2015	141.48	6807.52
11/23/2015	142.05	6806.95
1/26/2016	140.16	6808.84
6/7/2016	128.23	6820.77
9/15/2016	135.83	6813.17
11/9/2016	137.68	6811.32
3/1/2017	136.74	6812.26
6/14/2017	135.43	6813.57
9/28/2017	137.64	6811.36
11/15/2017	138.20	6810.80
2/15/2018	139.36	6809.64
6/11/2018	134.14	6814.86
9/26/2018	138.09	6810.91
11/8/2018	138.32	6810.68
2/25/2019	137.57	6811.43
6/4/2019	126.44	6822.56
9/9/2019	134.25	6814.75
12/18/2019	135.05	6813.95
3/23/2020	132.87	6816.13
6/18/2020	127.31	6821.69
9/28/2020	133.95	6815.05
11/18/2020	134.34	6814.66
3/19/2021	132.94	6816.06
6/23/2021	136.91	6812.09
9/27/2021	138.34	6810.66
11/17/2021	139.00	6810.00

GLEV-1

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/13/2015	31.78	6745.92
6/9/2015	31.39	6746.31
9/16/2015	32.24	6745.46
11/23/2015	32.28	6745.42
1/26/2016	31.67	6746.03
6/8/2016	30.94	6746.76
9/21/2016	31.62	6746.08
11/10/2016	31.54	6746.16
3/1/2017	30.94	6746.76
6/15/2017	30.89	6746.81
10/8/2017	30.85	6746.85
11/15/2017	31.11	6746.59
2/15/2018	30.63	6747.07
6/12/2018	30.66	6747.04
9/27/2018	31.06	6746.64
11/8/2018	31.23	6746.47
2/25/2019	30.79	6746.91
6/6/2019	30.31	6747.39
9/10/2019	30.83	6746.87
12/18/2019	30.91	6746.79
3/18/2020	30.88	6746.82
6/19/2020	30.75	6746.95
9/29/2020	31.36	6746.34
11/18/2020	31.25	6746.45
3/20/2021	31.69	6746.01
6/24/2021	31.54	6746.16
9/28/2021	32.33	6745.37
11/18/2021	32.72	6744.98

- GLEV-1

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

GLEV-2

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/13/2015	> 27.00	< 6750.78
6/9/2015	> 27.00	< 6750.78
9/16/2015	> 27.00	< 6750.78
11/23/2015	> 27.00	< 6750.78
1/26/2016	> 27.00	< 6750.78
6/8/2016	> 27.00	< 6750.78
9/21/2016	> 27.00	< 6750.78
11/10/2016	> 27.00	< 6750.78
3/1/2017	> 27.00	< 6750.78
6/15/2017	> 27.00	< 6750.78
10/8/2017	> 27.00	< 6750.78
11/15/2017	> 27.00	< 6750.78
2/15/2018	> 27.00	< 6750.78
6/12/2018	> 27.00	< 6750.78
9/27/2018	> 27.00	< 6750.78
11/8/2018	> 27.00	< 6750.78
2/25/2019	> 27.00	< 6750.78
6/6/2019	> 27.00	< 6750.78
9/10/2019	> 27.00	< 6750.78
12/18/2019	> 27.00	< 6750.78
3/18/2020	> 27.00	< 6750.78
6/19/2020	> 27.00	< 6750.78
9/29/2020	> 27.00	< 6750.78
11/18/2020	> 27.00	< 6750.78
3/20/2021	> 27.00	< 6750.78
6/24/2021	> 27.00	< 6750.78
9/28/2021	> 27.00	< 6750.78
11/18/2021	> 27.00	< 6750.78

GLEV-3

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/13/2015	37.61	6740.28
6/9/2015	37.85	6740.04
9/16/2015	39.23	6738.66
11/23/2015	39.72	6738.17
1/26/2016	39.68	6738.21
6/8/2016	38.78	6739.11
9/21/2016	37.53	6740.36
11/10/2016	36.98	6740.91
3/1/2017	39.38	6738.51
6/15/2017	38.36	6739.53
10/8/2017	39.74	6738.15
11/15/2017	39.95	6737.94
2/15/2018	35.71	6742.18
6/12/2018	37.58	6740.31
9/27/2018	38.31	6739.58
11/8/2018	39.29	6738.60
2/25/2019	39.76	6738.13
6/6/2019	35.82	6742.07
9/10/2019	35.34	6742.55
12/18/2019	39.87	6738.02
3/18/2020	39.53	6738.36
6/19/2020	36.02	6741.87
9/29/2020	38.04	6739.85
11/18/2020	38.86	6739.03
3/20/2021	39.24	6738.65
6/24/2021	37.73	6740.16
9/28/2021	39.44	6738.45
11/18/2021	39.75	6738.14

GMP-1

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	38.71	6581.32
6/4/2012	38.84	6581.19
9/11/2012	39.08	6580.95
11/7/2012	39.21	6580.82
1/24/2013	39.24	6580.79
6/4/2013	39.24	6580.79
9/24/2013	39.45	6580.58
11/14/2013	39.42	6580.61
3/17/2014	39.38	6580.65
6/10/2014	39.65	6580.38
9/11/2014	39.46	6580.57
11/17/2014	39.46	6580.57
1/8/2015	40.15	6579.88
6/8/2015	39.76	6580.27
9/15/2015	39.69	6580.34
11/23/2015	39.85	6580.18
1/26/2016	40.50	6579.53
6/7/2016	39.76	6580.27
9/15/2016	39.85	6580.18
11/9/2016	39.79	6580.24
3/1/2017	39.71	6580.32
6/14/2017	39.66	6580.37
9/28/2017	39.89	6580.14
11/15/2017	39.93	6580.10
2/15/2018	39.71	6580.32
6/11/2018	40.27	6579.76
9/26/2018	39.98	6580.05
11/8/2018	39.85	6580.18
2/25/2019	40.04	6579.99
6/4/2019	39.82	6580.21
9/9/2019	39.38	6580.65
12/18/2019	40.08	6579.95
3/18/2020	39.86	6580.17
6/18/2020	39.31	6580.72
9/28/2020	39.32	6580.71
11/19/2020	39.00	6581.03
3/19/2021	40.13	6579.90
6/23/2021	37.12	6582.91
9/27/2021	37.01	6583.02
11/18/2021	37.61	6582.42

GP-2

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	117.87	6889.87
6/5/2012	118.85	6888.89
9/12/2012	120.01	6887.73
11/7/2012	120.81	6886.93
1/24/2013	121.12	6886.62
6/5/2013	120.92	6886.82
9/25/2013	122.43	6885.31
11/13/2013	123.36	6884.38
3/17/2014	122.48	6885.26
6/11/2014	124.22	6883.52
9/15/2014	125.47	6882.27
11/17/2014	125.91	6881.83
1/8/2015	124.17	6883.57
6/9/2015	126.33	6881.41
9/16/2015	127.46	6880.28
11/23/2015	127.85	6879.89
1/26/2016	127.94	6879.80
6/7/2016	128.79	6878.95
9/21/2016	131.04	6876.70
11/9/2016	130.18	6877.56
3/1/2017	130.40	6877.34
6/15/2017	131.55	6876.19
10/8/2017	132.29	6875.45
11/15/2017	132.40	6875.34
2/15/2018	132.28	6875.46
6/12/2018	133.01	6874.73
9/27/2018	133.28	6874.46
11/8/2018	133.95	6873.79
2/25/2019	133.84	6873.90
6/6/2019	133.54	6874.20
9/10/2019	134.02	6873.72
12/18/2019	134.11	6873.63
3/18/2020	134.08	6873.66
6/19/2020	132.23	6875.51
9/29/2020	132.49	6875.25
11/18/2020	132.34	6875.40
3/19/2021	129.08	6878.66
6/24/2021	132.62	6875.12
9/28/2021	133.12	6874.62
11/18/2021	133.36	6874.38

- GP-2

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

GP-3

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	-53.05	6551.28
6/5/2012	-56.51	6554.74
9/12/2012	-53.05	6551.28
11/7/2012	-53.05	6551.28
1/24/2013	-53.05	6551.28
6/5/2013	-53.05	6551.28
9/25/2013	-54.21	6552.44
11/14/2013	-54.21	6552.44
3/17/2014	-51.90	6550.13
6/11/2014	-51.90	6550.13
9/15/2014	-53.05	6551.28
11/18/2014	-53.05	6551.28
1/8/2015	-50.75	6548.98
6/8/2015	-55.36	6553.59
9/16/2015	-53.05	6551.28
11/25/2015	-55.36	6553.59
1/26/2016	-53.05	6551.28
6/7/2016	-54.21	6552.44
9/21/2016	-55.36	6553.59
11/9/2016	-55.36	6553.59
3/1/2017	-53.05	6551.28
6/14/2017	-55.36	6553.59
10/8/2017	-55.60	6553.83
11/15/2017	-32.29	6530.52
2/15/2018	-32.29	6530.52
6/12/2018	-32.29	6530.52
9/26/2018	-53.05	6551.28
11/8/2018	-54.21	6552.44
2/25/2019	-57.67	6555.90
6/6/2019	-44.98	6543.21
9/10/2019	-50.75	6548.98
12/18/2019	-55.36	6553.59
3/18/2020	-53.05	6551.28
6/18/2020	-53.05	6551.28
9/28/2020	-53.05	6551.28
11/19/2020	-53.05	6551.28
3/21/2021	-57.67	6555.90
6/23/2021	-55.36	6553.59
9/27/2021	-55.36	6553.59
11/18/2021	-56.51	6554.74

GP-4

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	-77.27	6574.80
6/5/2012	-87.65	6585.18
9/12/2012	-68.05	6565.58
11/7/2012	-65.74	6563.27
1/24/2013	-76.12	6573.65
6/5/2013	-66.89	6564.42
9/25/2013	-66.89	6564.42
11/14/2013	-64.59	6562.12
3/17/2014	-76.12	6573.65
6/11/2014	-66.89	6564.42
9/15/2014	-80.73	6578.26
11/18/2014	-64.59	6562.12
1/8/2015	-76.12	6573.65
6/8/2015	-78.43	6575.96
9/16/2015	-80.73	6578.26
11/25/2015	-66.89	6564.42
1/26/2016	-71.51	6569.04
6/7/2016	-71.51	6569.04
9/21/2016	-69.20	6566.73
11/9/2016	-69.20	6566.73
3/1/2017	-66.89	6564.42
6/14/2017	-69.20	6566.73
10/8/2017	-69.20	6566.73
11/15/2017	-51.90	6549.43
2/15/2018	-50.75	6548.28
6/12/2018	-53.05	6550.58
9/26/2018	-89.96	6587.49
11/8/2018	-51.90	6549.43
2/25/2019	-71.51	6569.04
6/6/2019	-69.20	6566.73
9/10/2019	-55.36	6552.89
12/18/2019	-69.20	6566.73
3/18/2020	-64.59	6562.12
6/18/2020	-55.36	6552.89
9/28/2020	-56.51	6554.04
11/19/2020	-72.66	6570.19
3/21/2021	-76.12	6573.65
6/23/2021	-73.81	6571.34
9/27/2021	-71.51	6569.04
11/18/2021	-72.66	6570.19

GP-5

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	34.45	6383.03
6/4/2012	34.43	6383.05
9/11/2012	34.45	6383.03
11/7/2012	34.69	6382.79
1/24/2013	34.35	6383.13
6/4/2013	33.72	6383.76
9/24/2013	34.39	6383.09
11/14/2013	34.76	6382.72
3/17/2014	34.32	6383.16
6/10/2014	34.58	6382.90
9/11/2014	34.38	6383.10
11/17/2014	35.00	6382.48
1/8/2015	35.21	6382.27
6/8/2015	35.07	6382.41
9/15/2015	35.64	6381.84
11/23/2015	36.79	6380.69
1/26/2016	36.78	6380.70
6/7/2016	36.35	6381.13
9/15/2016	37.22	6380.26
11/9/2016	37.07	6380.41
3/1/2017	36.81	6380.67
6/14/2017	36.63	6380.85
9/28/2017	36.73	6380.75
11/15/2017	36.55	6380.93
2/15/2018	36.41	6381.07
6/11/2018	36.49	6380.99
9/26/2018	36.67	6380.81
11/8/2018	36.60	6380.88
2/25/2019	36.45	6381.03
6/4/2019	36.23	6381.25
9/9/2019	35.94	6381.54
12/18/2019	36.41	6381.07
3/18/2020	36.10	6381.38
6/18/2020	35.44	6382.04
9/28/2020	35.63	6381.85
11/19/2020	34.66	6382.82
3/19/2021	36.61	6380.87
6/23/2021	32.95	6384.53
9/27/2021	33.04	6384.44
11/18/2021	33.42	6384.06

- GP-5

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

GP-7

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	94.27	7150.34
6/5/2012	94.03	7150.58
9/12/2012	94.63	7149.98
11/7/2012	95.06	7149.55
1/24/2013	95.33	7149.28
6/5/2013	95.18	7149.43
9/25/2013	95.42	7149.19
11/13/2013	95.94	7148.67
3/17/2014	95.64	7148.97
6/11/2014	95.51	7149.10
9/15/2014	97.05	7147.56
11/18/2014	98.14	7146.47
1/8/2015	97.31	7147.30
6/9/2015	96.12	7148.49
9/16/2015	96.11	7148.50
11/23/2015	96.22	7148.39
1/26/2016	96.37	7148.24
6/8/2016	96.39	7148.22
9/21/2016	96.44	7148.17
11/10/2016	96.95	7147.66
3/1/2017	96.78	7147.83
6/15/2017	97.06	7147.55
10/8/2017	97.47	7147.14
11/15/2017	97.76	7146.85
2/15/2018	97.74	7146.87
6/12/2018	> 99.00	< 7145.61
9/27/2018	> 99.00	< 7145.61
11/8/2018	> 99.00	< 7145.61
2/25/2019	> 99.00	< 7145.61
6/6/2019	> 99.00	< 7145.61
9/10/2019	> 99.00	< 7145.61
12/18/2019	> 99.00	< 7145.61
3/18/2020	> 99.00	< 7145.61
6/19/2020	> 99.00	< 7145.61
9/29/2020	> 99.00	< 7145.61
11/18/2020	> 99.00	< 7145.61
3/20/2021	> 99.00	< 7145.61
6/24/2021	> 99.00	< 7145.61
9/28/2021	> 99.00	< 7145.61
11/18/2021	> 99.00	< 7145.61

GP-8

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	141.62	7102.45
6/5/2012	141.82	7102.25
9/12/2012	142.91	7101.16
11/7/2012	143.08	7100.99
1/24/2013	142.60	7101.47
6/5/2013	141.12	7102.95
9/25/2013	143.44	7100.63
11/13/2013	143.00	7101.07
3/17/2014	145.72	7098.35
6/11/2014	141.68	7102.39
9/15/2014	140.99	7103.08
11/18/2014	135.28	7108.79
1/8/2015	138.86	7105.21
6/9/2015	142.06	7102.01
9/16/2015	142.84	7101.23
11/23/2015	144.42	7099.65
1/26/2016	145.59	7098.48
6/8/2016	145.04	7099.03
9/21/2016	145.46	7098.61
11/10/2016	146.09	7097.98
3/1/2017	146.31	7097.76
6/15/2017	147.04	7097.03
10/8/2017	147.94	7096.13
11/15/2017	150.06	7094.01
2/15/2018	150.01	7094.06
6/12/2018	150.42	7093.65
9/27/2018	151.43	7092.64
11/8/2018	151.61	7092.46
2/25/2019	152.19	7091.88
6/6/2019	150.82	7093.25
9/10/2019	150.78	7093.29
12/18/2019	151.98	7092.09
3/18/2020	152.17	7091.90
6/19/2020	151.19	7092.88
9/29/2020	157.96	7086.11
11/18/2020	159.12	7084.95
3/20/2021	158.62	7085.45
6/24/2021	160.01	7084.06
9/28/2021	160.41	7083.66
11/18/2021	161.19	7082.88

GP-9

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	49.18	6560.21
6/5/2012	47.46	6561.93
9/12/2012	49.53	6559.86
11/7/2012	50.72	6558.67
1/24/2013	52.39	6557.00
6/5/2013	52.53	6556.86
9/25/2013	52.58	6556.81
11/13/2013	52.72	6556.67
3/17/2014	47.46	6561.93
6/11/2014	51.74	6557.65
9/15/2014	51.53	6557.86
11/18/2014	51.85	6557.54
1/8/2015	51.06	6558.33
6/9/2015	52.09	6557.30
9/16/2015	51.64	6557.75
11/23/2015	52.45	6556.94
1/26/2016	53.74	6555.65
6/8/2016	51.86	6557.53
9/21/2016	51.02	6558.37
11/10/2016	51.25	6558.14
3/1/2017	52.25	6557.14
6/15/2017	50.17	6559.22
10/8/2017	49.64	6559.75
11/15/2017	49.81	6559.58
2/15/2018	50.43	6558.96
6/12/2018	49.96	6559.43
9/27/2018	51.48	6557.91
11/8/2018	52.50	6556.89
2/25/2019	50.13	6559.26
6/6/2019	51.98	6557.41
9/10/2019	51.22	6558.17
12/18/2019	50.17	6559.22
3/23/2020	49.02	6560.37
6/19/2020	50.92	6558.47
9/29/2020	51.97	6557.42
11/18/2020	52.33	6557.06
3/20/2021	51.36	6558.03
6/24/2021	55.44	6553.95
9/28/2021	56.14	6553.25
11/18/2021	56.90	6552.49

- GP-9

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

J-1

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	10.37	6364.70
6/5/2012	10.84	6364.23
9/12/2012	10.77	6364.30
11/7/2012	10.46	6364.61
1/24/2013	10.38	6364.69
6/5/2013	10.70	6364.37
9/25/2013	10.59	6364.48
11/14/2013	10.36	6364.71
3/17/2014	10.39	6364.68
6/11/2014	10.65	6364.42
9/15/2014	10.56	6364.51
11/18/2014	10.32	6364.75
1/8/2015	10.25	6364.82
6/8/2015	10.54	6364.53
9/16/2015	10.82	6364.25
11/25/2015	10.58	6364.49
1/26/2016	10.47	6364.60
6/8/2016	10.78	6364.29
9/21/2016	10.78	6364.29
11/9/2016	10.55	6364.52
3/1/2017	10.46	6364.61
6/15/2017	10.69	6364.38
10/8/2017	10.74	6364.33
11/15/2017	10.43	6364.64
2/15/2018	10.38	6364.69
6/12/2018	10.74	6364.33
9/27/2018	10.78	6364.29
11/8/2018	10.40	6364.67
2/25/2019	10.41	6364.66
6/6/2019	10.31	6364.76
9/9/2019	10.48	6364.59
12/18/2019	10.56	6364.51
3/23/2020	10.42	6364.65
6/18/2020	10.55	6364.52
9/28/2020	10.35	6364.72
11/19/2020	10.12	6364.95
3/19/2021	10.04	6365.03
6/23/2021	10.50	6364.57
9/27/2021	10.51	6364.56
11/30/2021	10.05	6365.02

P-1

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	4.11	6358.49
6/5/2012	4.99	6357.61
9/12/2012	7.46	6355.14
11/7/2012	5.53	6357.07
1/24/2013	6.37	6356.23
6/5/2013	5.68	6356.92
9/25/2013	6.52	6356.08
11/14/2013	3.96	6358.64
3/17/2014	2.03	6360.57
6/11/2014	5.87	6356.73
9/15/2014	5.07	6357.53
11/18/2014	4.77	6357.83
1/8/2015	4.32	6358.28
6/8/2015	5.79	6356.81
9/16/2015	7.69	6354.91
11/25/2015	8.55	6354.05
1/26/2016	5.32	6357.28
6/7/2016	4.11	6358.49
9/21/2016	5.98	6356.62
11/9/2016	4.48	6358.12
3/1/2017	2.86	6359.74
6/14/2017	5.64	6356.96
10/8/2017	5.94	6356.66
11/15/2017	3.27	6359.33
2/15/2018	2.72	6359.88
6/12/2018	5.87	6356.73
9/26/2018	7.13	6355.47
11/8/2018	3.04	6359.56
2/25/2019	5.90	6356.70
6/6/2019	3.64	6358.96
9/10/2019	6.03	6356.57
12/18/2019	5.92	6356.68
3/18/2020	5.90	6356.70
6/18/2020	3.82	6358.78
9/28/2020	> 21.20	< 6341.40
11/19/2020	5.88	6356.72
3/19/2021	5.75	6356.85
6/23/2021	5.88	6356.72
9/27/2021	> 21.20	< 6341.40
11/18/2021	5.41	6357.19

P-3 #

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	> 34.90	< 6344.30
6/5/2012	> 34.90	< 6344.30
9/12/2012	> 34.90	< 6344.30
11/7/2012	> 34.90	< 6344.30
1/24/2013	> 34.90	< 6344.30
6/5/2013	> 34.90	< 6344.30
9/25/2013	> 34.90	< 6344.30
11/14/2013	> 34.90	< 6344.30
3/17/2014	> 34.90	< 6344.30
6/11/2014	> 34.90	< 6344.30
9/15/2014	> 34.90	< 6344.30
11/18/2014	> 34.90	< 6344.30
1/8/2015	> 34.90	< 6344.30
6/8/2015	> 34.90	< 6344.30
9/16/2015	> 34.90	< 6344.30
11/25/2015	> 34.90	< 6344.30
1/26/2016	> 34.90	< 6344.30
6/7/2016	> 34.90	< 6344.30
9/15/2016	> 34.90	< 6344.30

P-5

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
1/12/2012	> 20.90	< 6430.20
6/5/2012	> 20.90	< 6430.20
9/12/2012	> 20.90	< 6430.20
11/7/2012	17.52	6433.58
1/24/2013	> 20.90	< 6430.20
6/5/2013	> 20.90	< 6430.20
9/25/2013	> 20.90	< 6430.20
11/14/2013	16.88	6434.22
3/17/2014	16.39	6434.71
6/11/2014	> 20.90	< 6430.20
9/15/2014	16.91	6434.19
11/18/2014	17.56	6433.54
1/8/2015	> 20.90	< 6430.20
6/8/2015	> 20.90	< 6430.20
9/16/2015	> 20.90	< 6430.20
11/25/2015	17.66	6433.44
1/26/2016	> 20.90	< 6430.20
6/7/2016	> 20.90	< 6430.20
9/15/2016	> 20.90	< 6430.20
11/9/2016	16.82	6434.28
3/1/2017	> 20.90	< 6430.20
6/14/2017	> 20.90	< 6430.20
10/8/2017	16.86	6434.24
11/15/2017	16.96	6434.14
2/15/2018	> 20.90	< 6430.20
6/12/2018	> 20.90	< 6430.20
9/26/2018	> 20.90	< 6430.20
11/8/2018	16.86	6434.24
2/25/2019	17.31	6433.79
6/6/2019	15.93	6435.17
9/10/2019	> 20.90	< 6430.20
12/18/2019	> 20.90	< 6430.20
3/18/2020	> 20.90	< 6430.20
6/18/2020	> 20.90	< 6430.20
9/28/2020	> 20.90	< 6430.20
11/19/2020	> 20.90	< 6430.20
3/19/2021	17.39	6433.71
6/23/2021	> 20.90	< 6430.20
9/27/2021	> 20.90	< 6430.20
11/18/2021	17.77	6433.33

- P-5

# Indicates abandoned well

TABLE A-1. WATER-LEVEL ELEVATIONS FOR TRAPPER MINING COMPANY. (cont'd.)

WATER-LEVEL ELEVATION (FT-MSL)

Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)	Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)	Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)	Date	Water Level (ft-MP)	Water Level Elevation (ft-MSL)
P-8											
1/12/2012	11.95	6483.05									
6/5/2012	13.02	6481.98									
9/11/2012	13.83	6481.17									
11/7/2012	13.87	6481.13									
1/24/2013	13.43	6481.57									
6/5/2013	13.38	6481.62									
9/25/2013	13.81	6481.19									
11/14/2013	13.64	6481.36									
3/17/2014	12.14	6482.86									
6/10/2014	13.22	6481.78									
9/11/2014	13.84	6481.16									
11/18/2014	14.22	6480.78									
1/8/2015	12.61	6482.39									
6/8/2015	14.31	6480.69									
9/15/2015	14.57	6480.43									
11/25/2015	14.55	6480.45									
1/26/2016	12.84	6482.16									
6/7/2016	13.03	6481.97									
9/15/2016	13.91	6481.09									
11/9/2016	14.04	6480.96									
3/1/2017	13.90	6481.10									
6/14/2017	13.97	6481.03									
9/28/2017	14.24	6480.76									
11/15/2017	13.80	6481.20									
2/15/2018	13.59	6481.41									
6/11/2018	13.46	6481.54									
9/26/2018	14.49	6480.51									
11/8/2018	13.32	6481.68									
2/25/2019	14.55	6480.45									
6/6/2019	12.86	6482.14									
9/10/2019	13.91	6481.09									
12/18/2019	14.58	6480.42									
3/18/2020	14.51	6480.49									
6/18/2020	13.56	6481.44									
9/28/2020	14.02	6480.98									
11/19/2020	13.99	6481.01									
3/19/2021	14.15	6480.85									
6/23/2021	13.61	6481.39									
9/27/2021	14.79	6480.21									
11/18/2021	14.35	6480.65									

- P-8

# Indicates abandoned well

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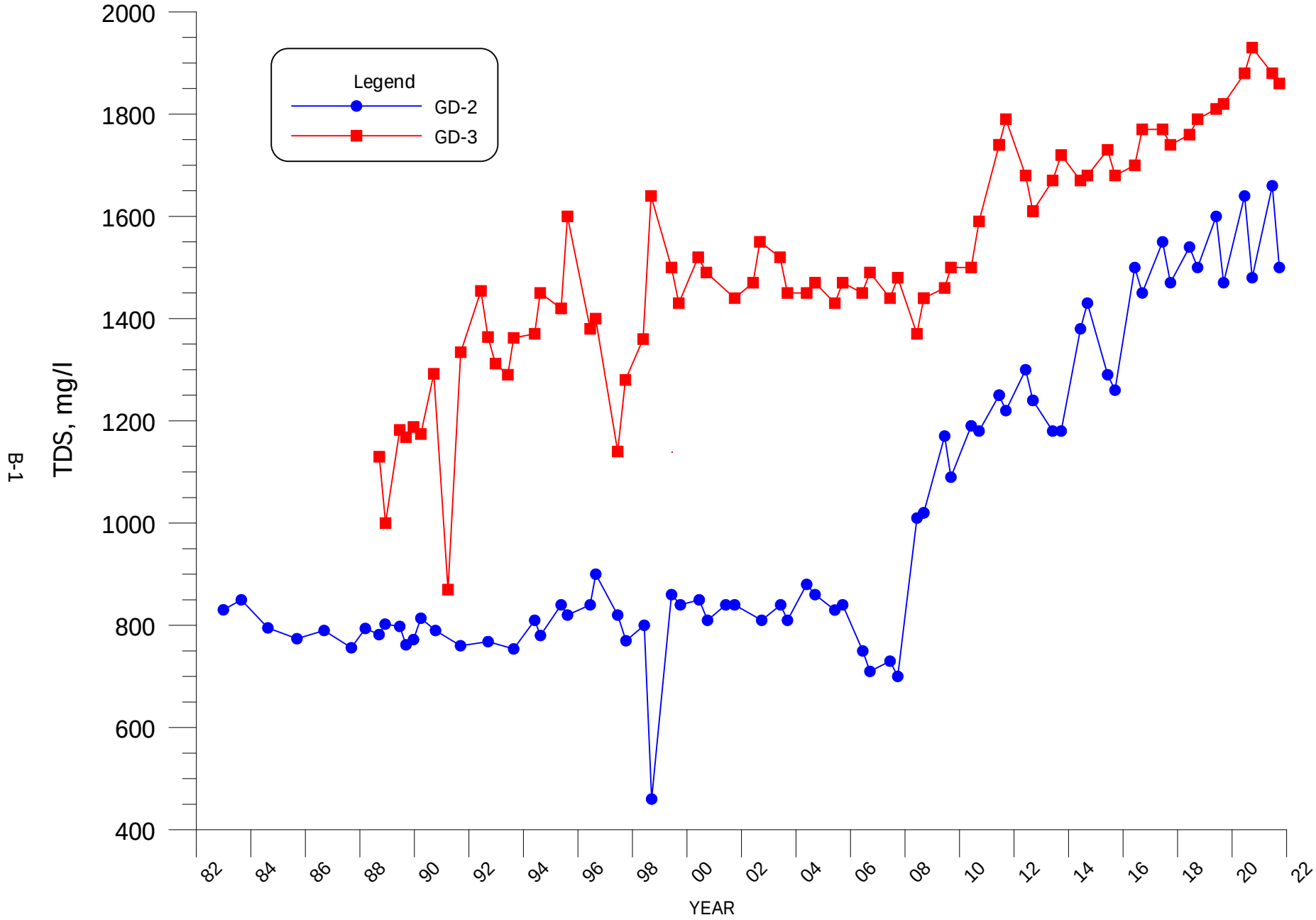

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FIGURE B-1. TDS VERSUS TIME FOR WELLS GD-2 AND GD-3.

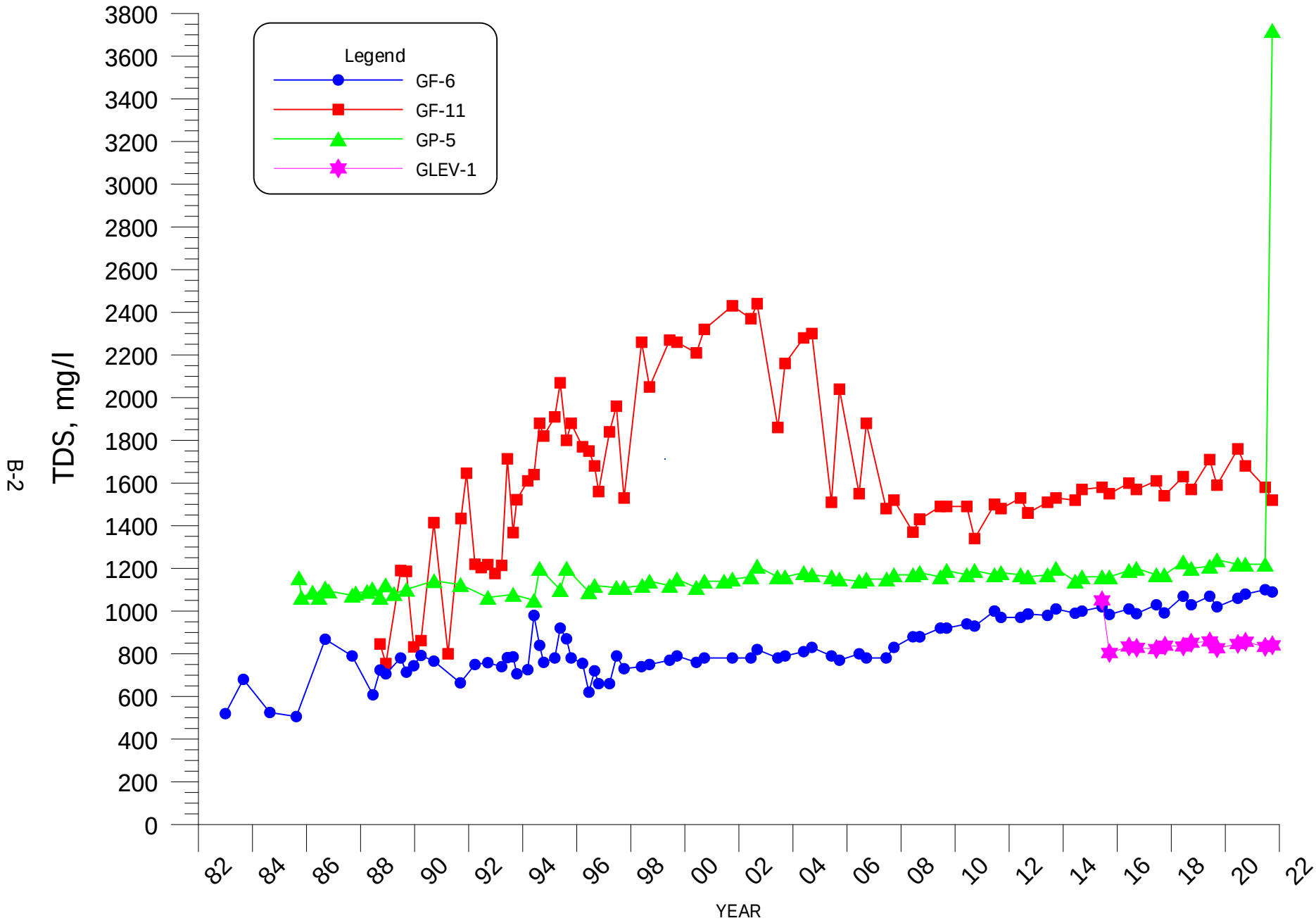

FIGURE B-2. TDS VERSUS TIME FOR WELLS GF-6, GF-11, GLEV-1 AND GP-5.

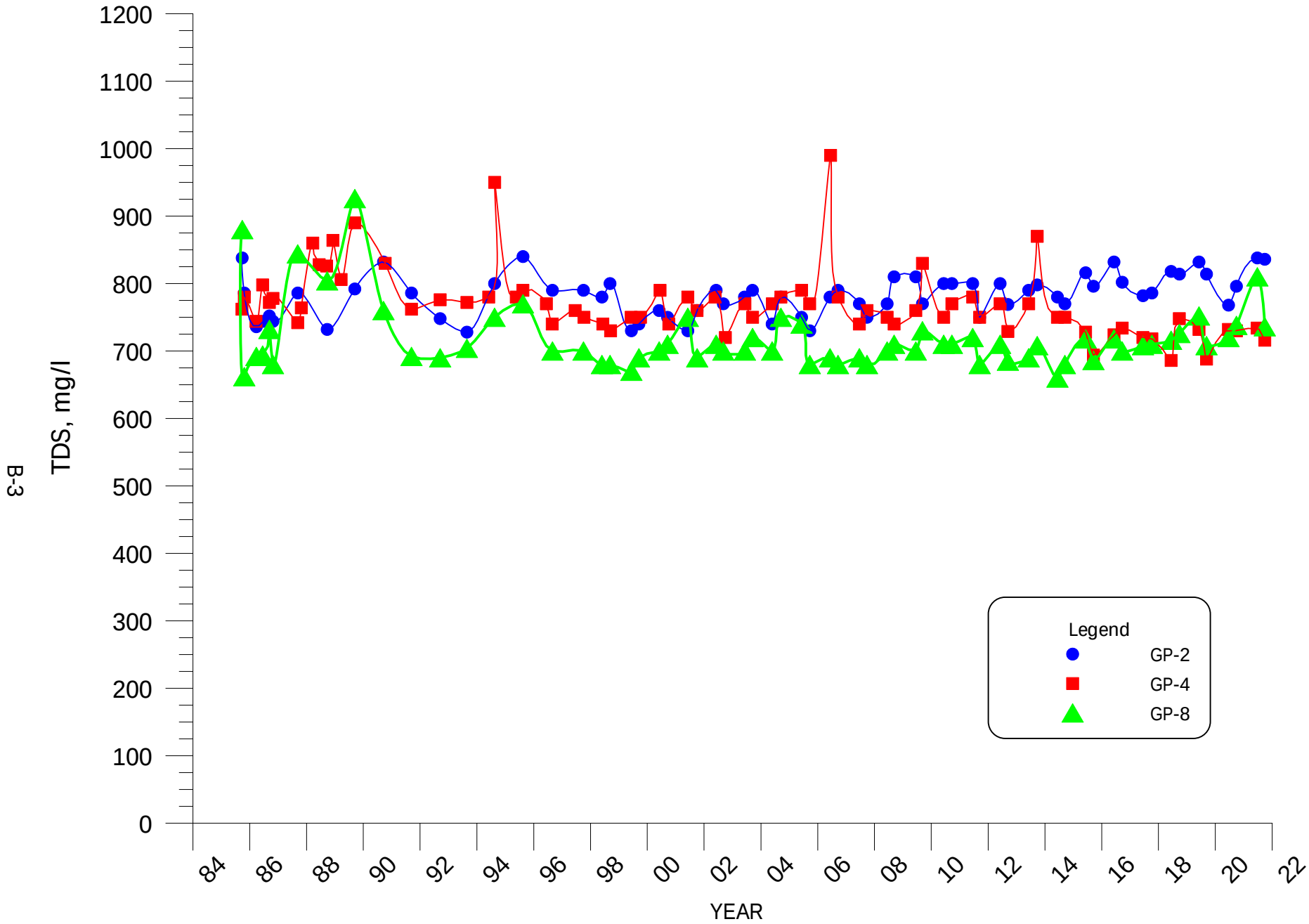

FIGURE B-3. TDS VERSUS TIME FOR WELLS GP-2, GP-4 AND GP-8.

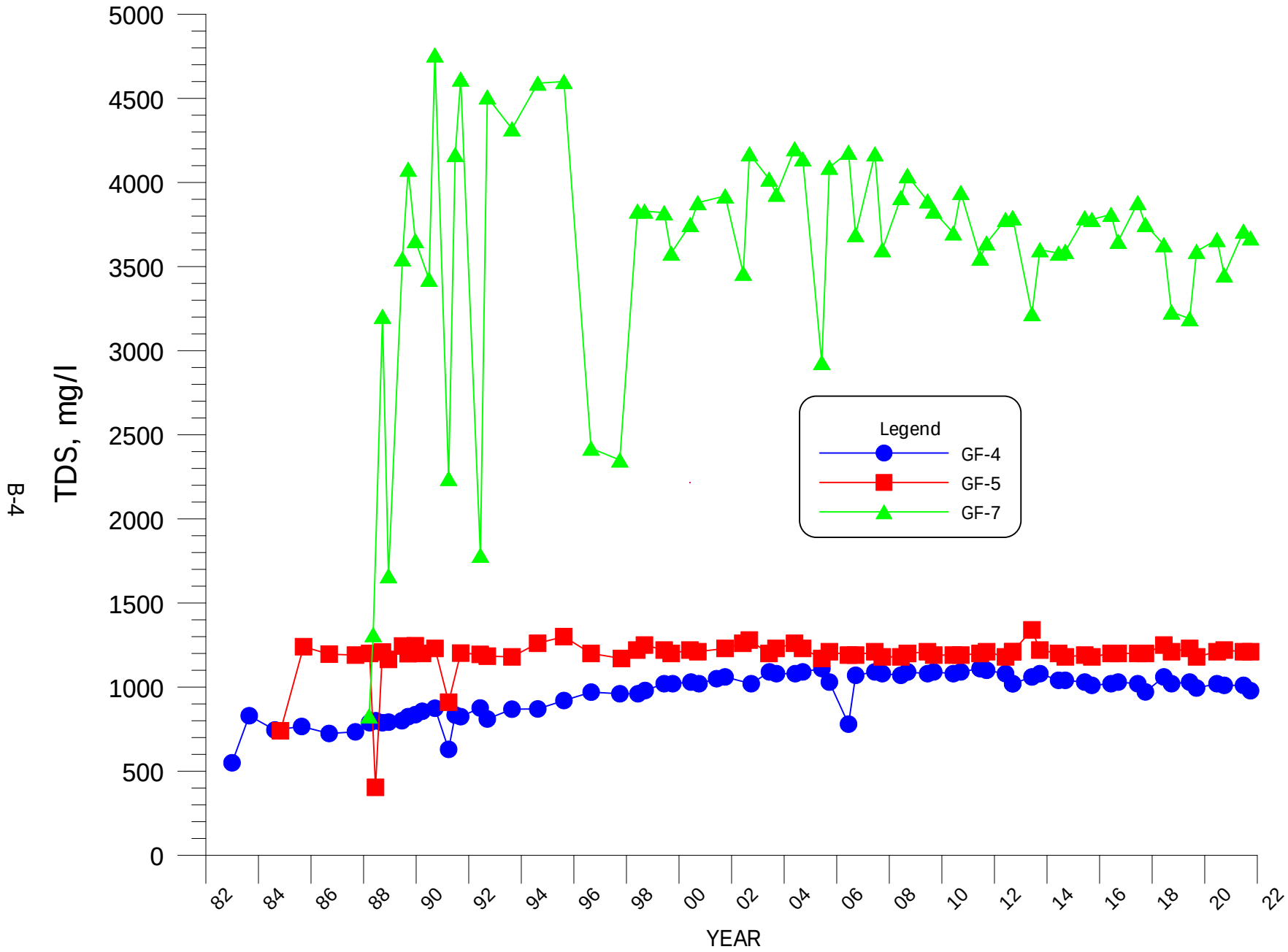

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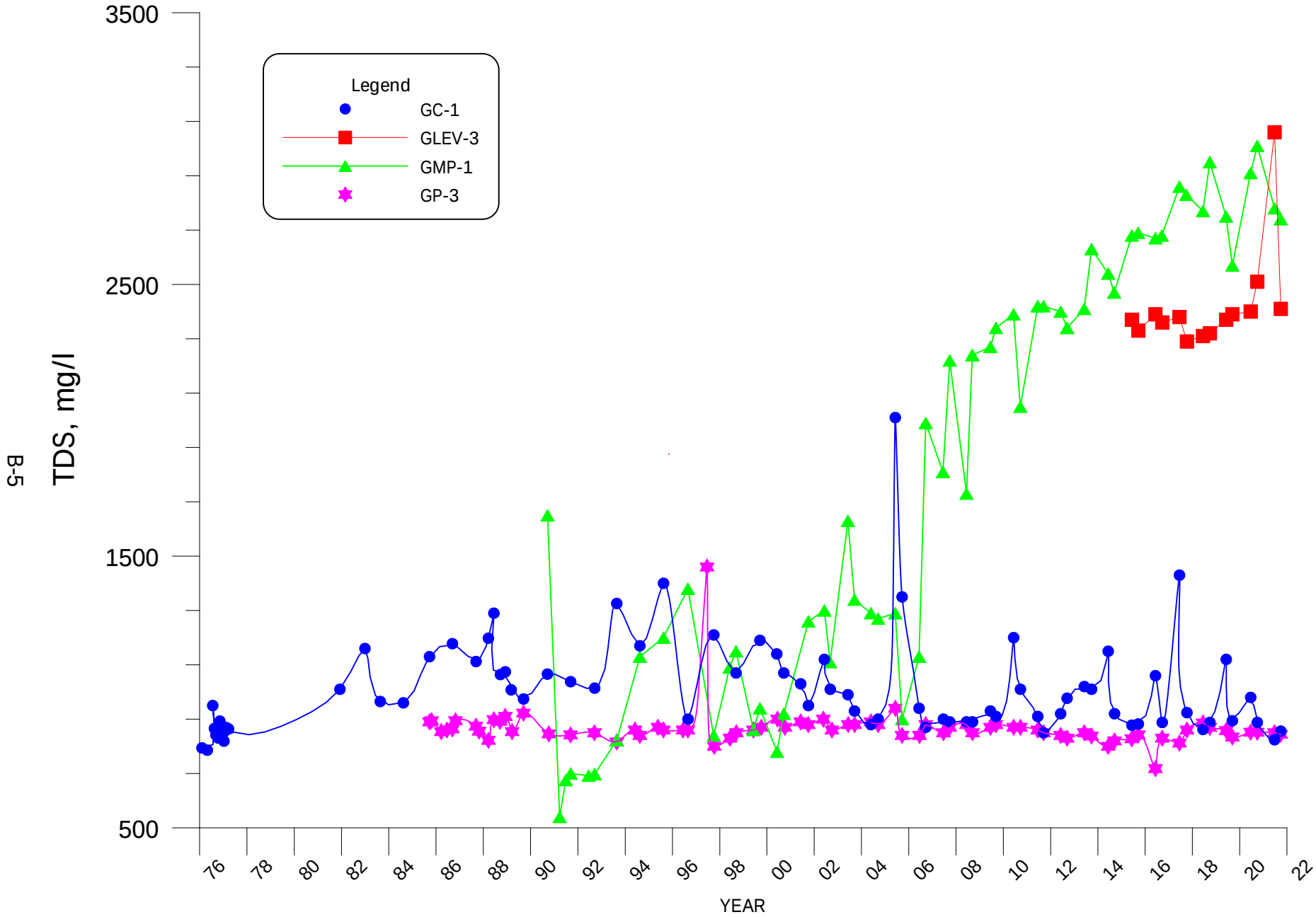
FIGURE B-4. TDS VERSUS TIME FOR WELLS GF-4, GF-5 AND GF-7.



B-5

FIGURE B-5. TDS VERSUS TIME FOR WELLS GC-1, GLEV-3, GMP-1 AND GP-3.

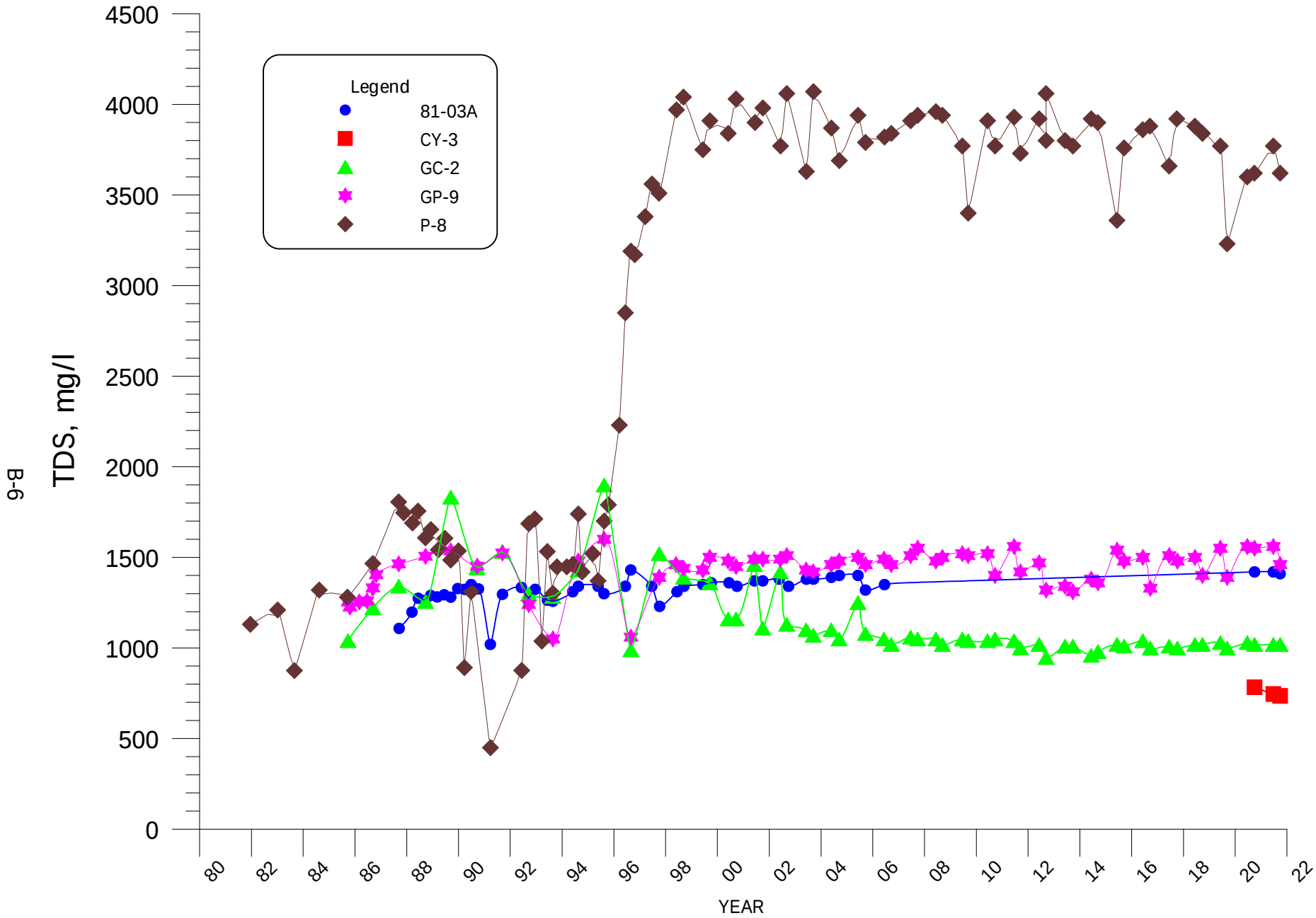


FIGURE B-6. TDS VERSUS TIME FOR WELLS 81-03A, CY-3, GC-2, GP-9 AND P-8.

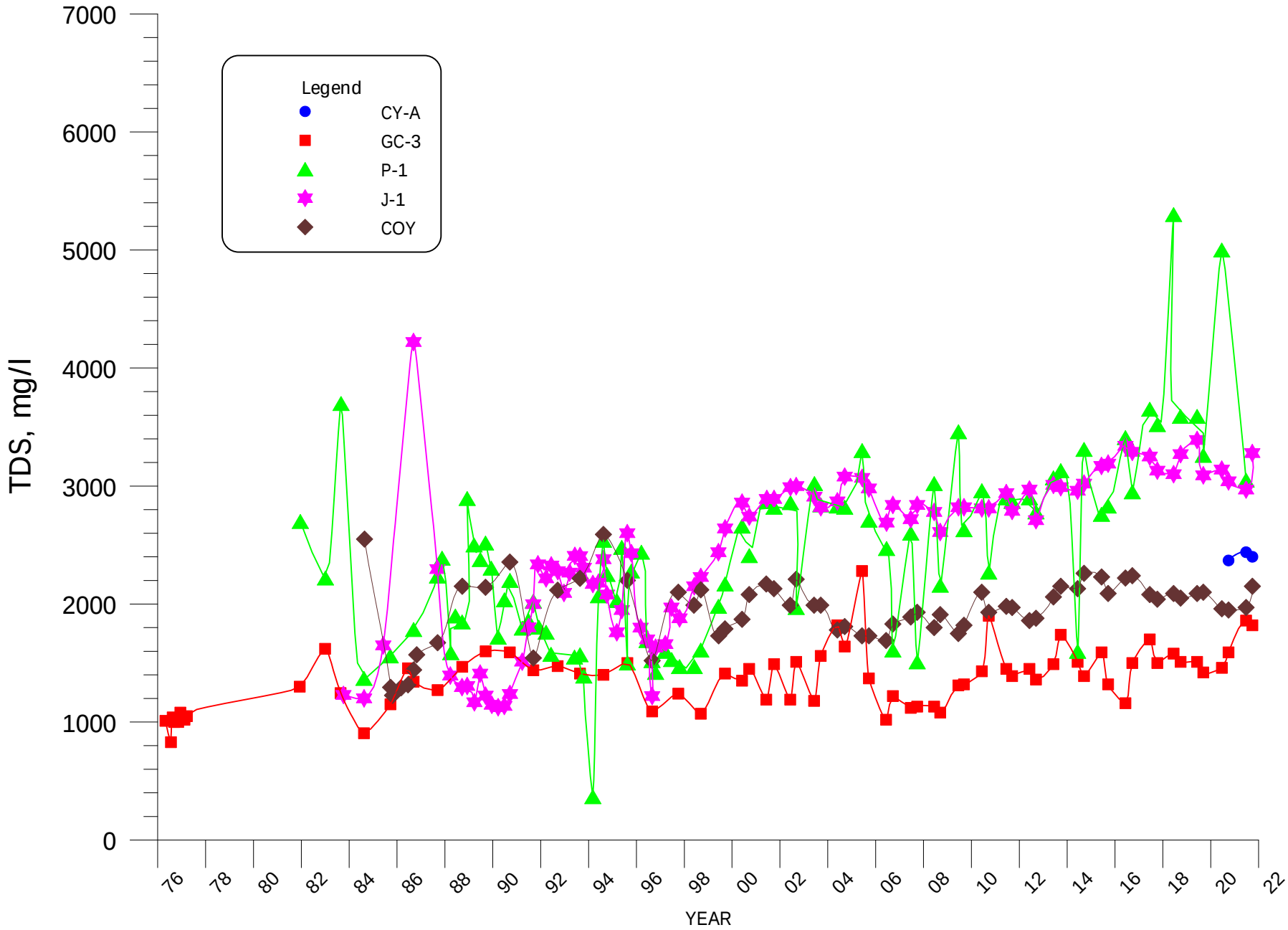


FIGURE B-7. TDS VERSUS TIME FOR WELLS CY-A, GC-3, P-1, J-1 AND COY.

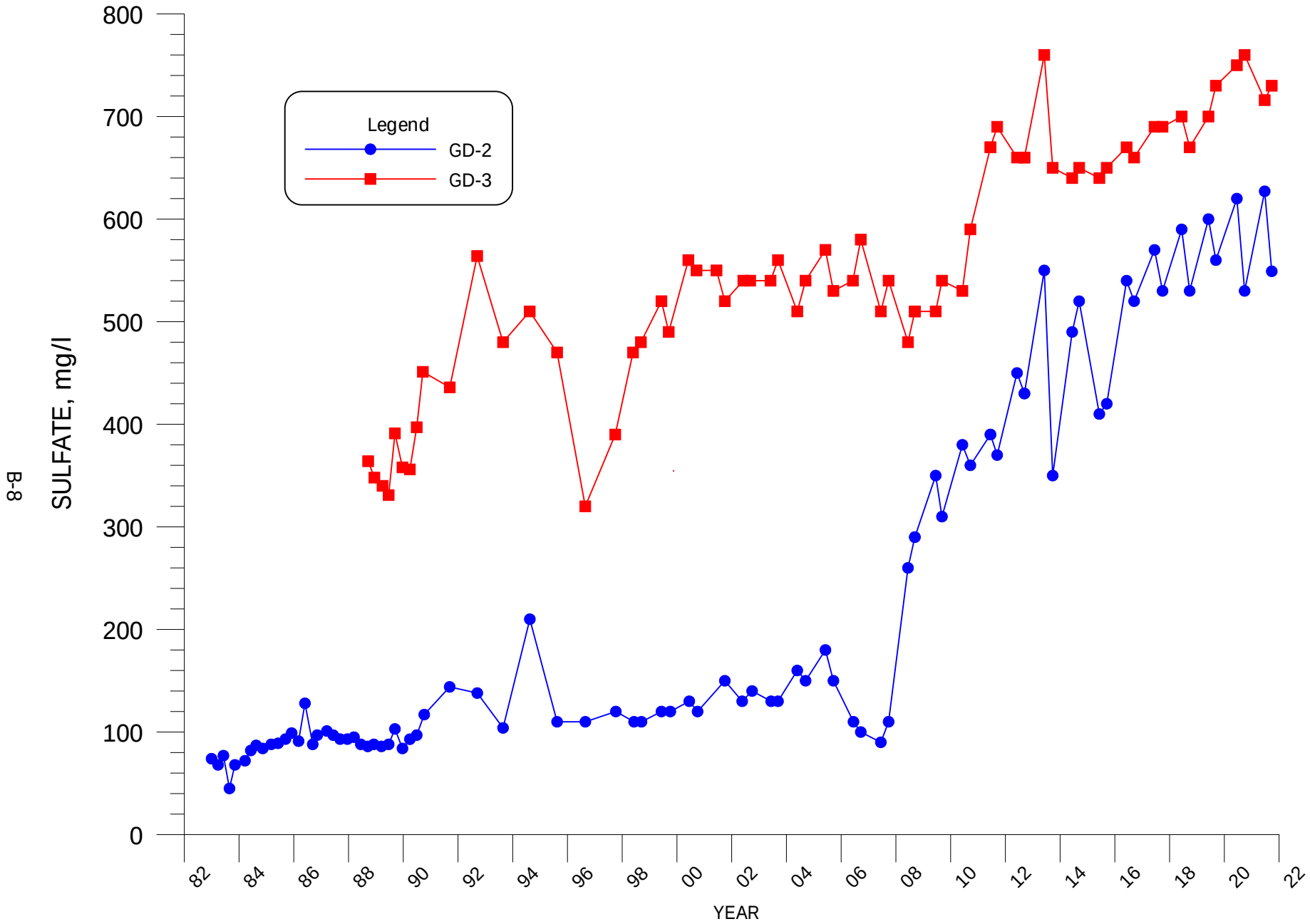


FIGURE B-8. SULFATE VERSUS TIME FOR WELLS GD-2 AND GD-3.

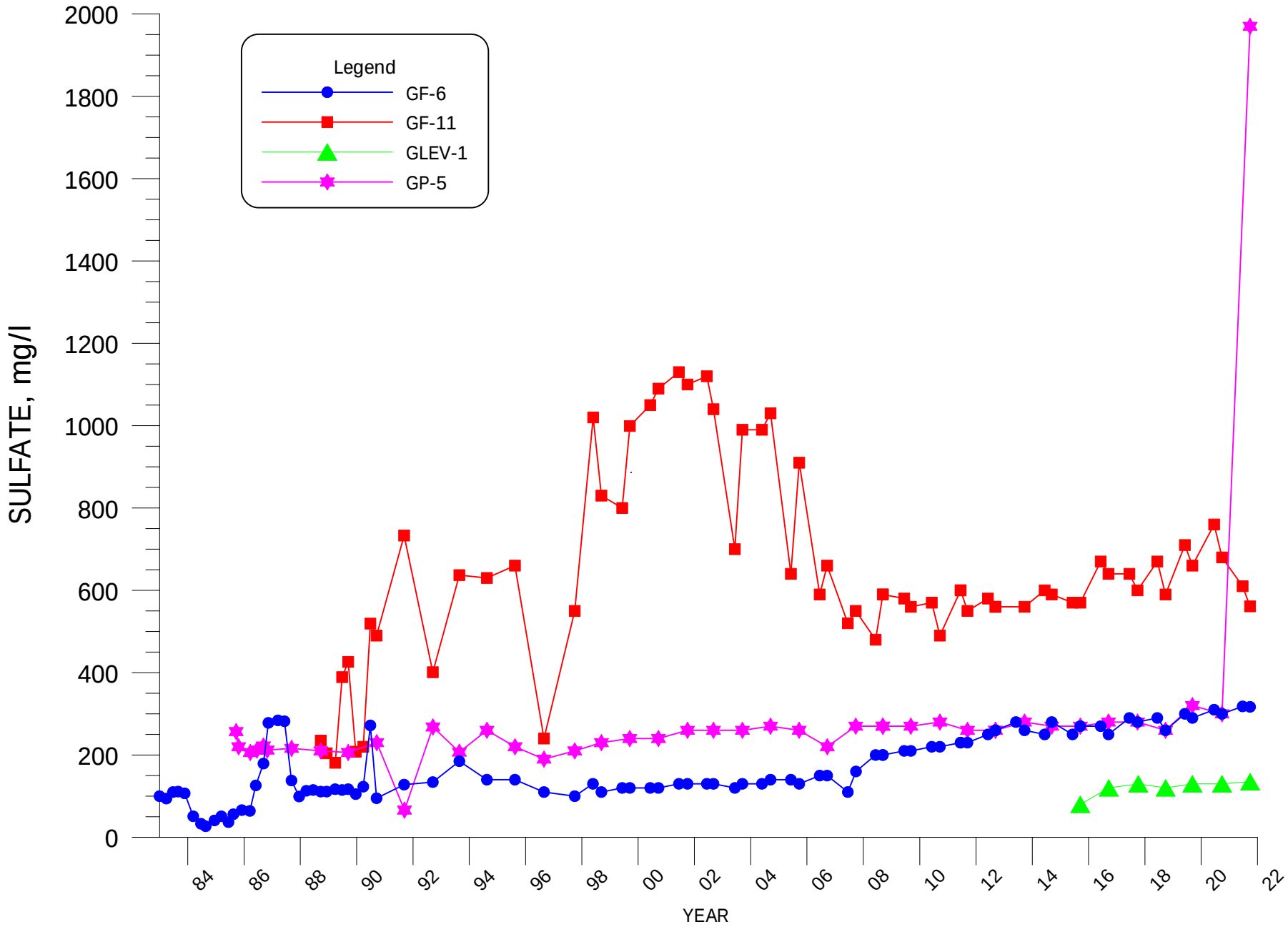


FIGURE B-9. SULFATE VERSUS TIME FOR WELLS GF-6, GF-11, GLEV-1 AND GP-5.

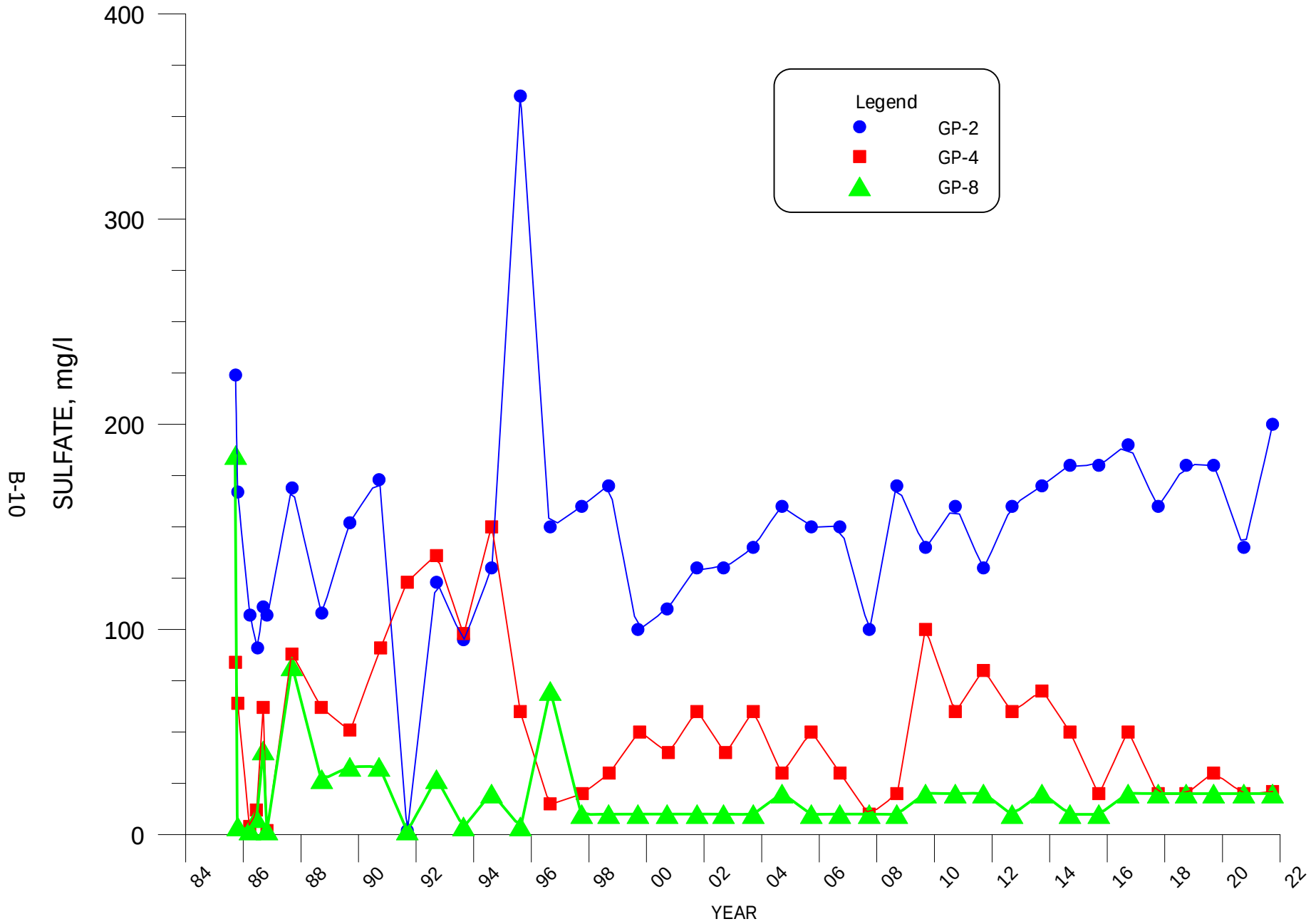


FIGURE B-10. SULFATE VERSUS TIME FOR WELLS GP-2, GP-4 AND GP-8.

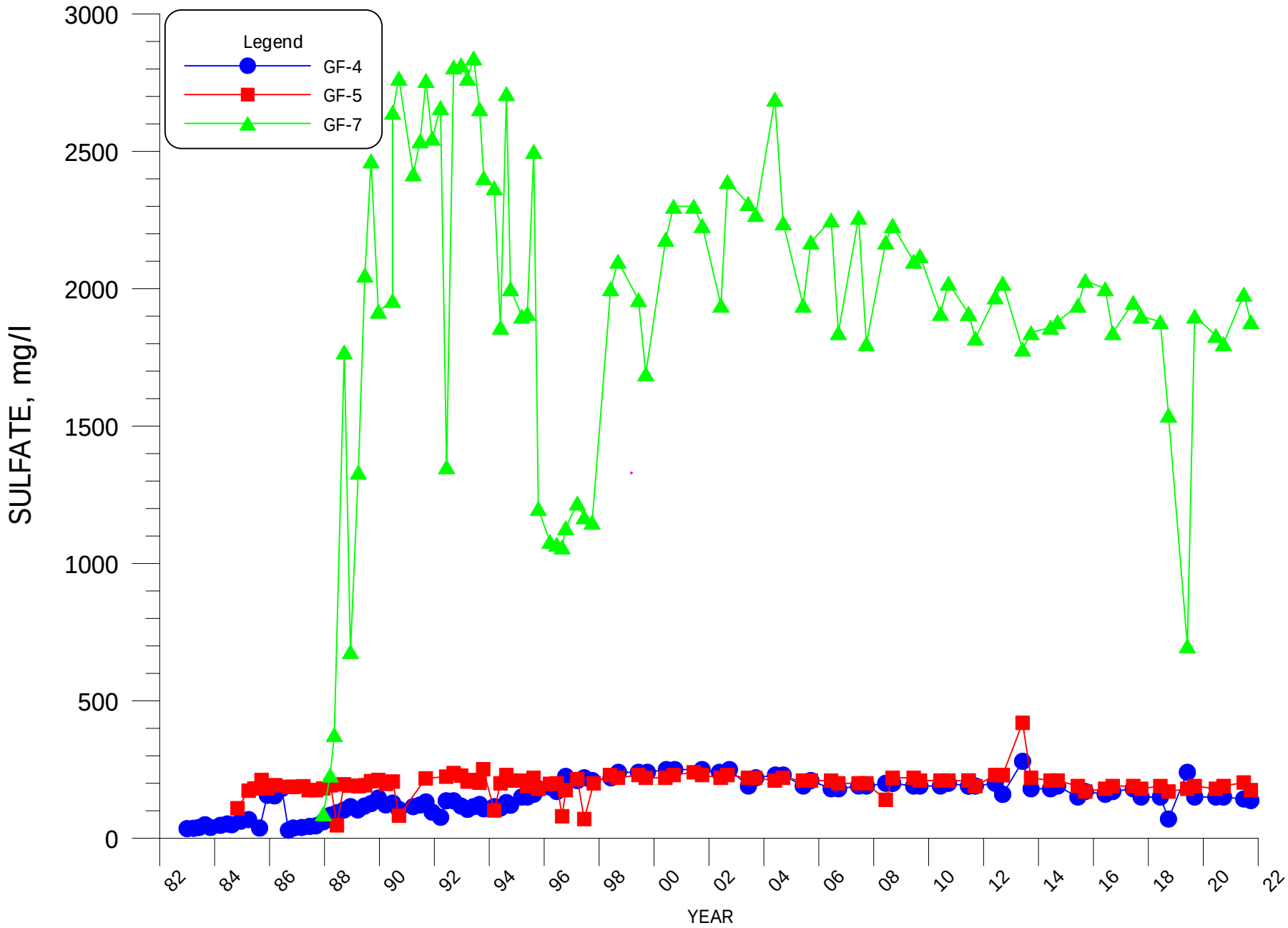


FIGURE B-11. SULFATE VERSUS TIME FOR WELLS GF-4, GF-5 AND GF-7.

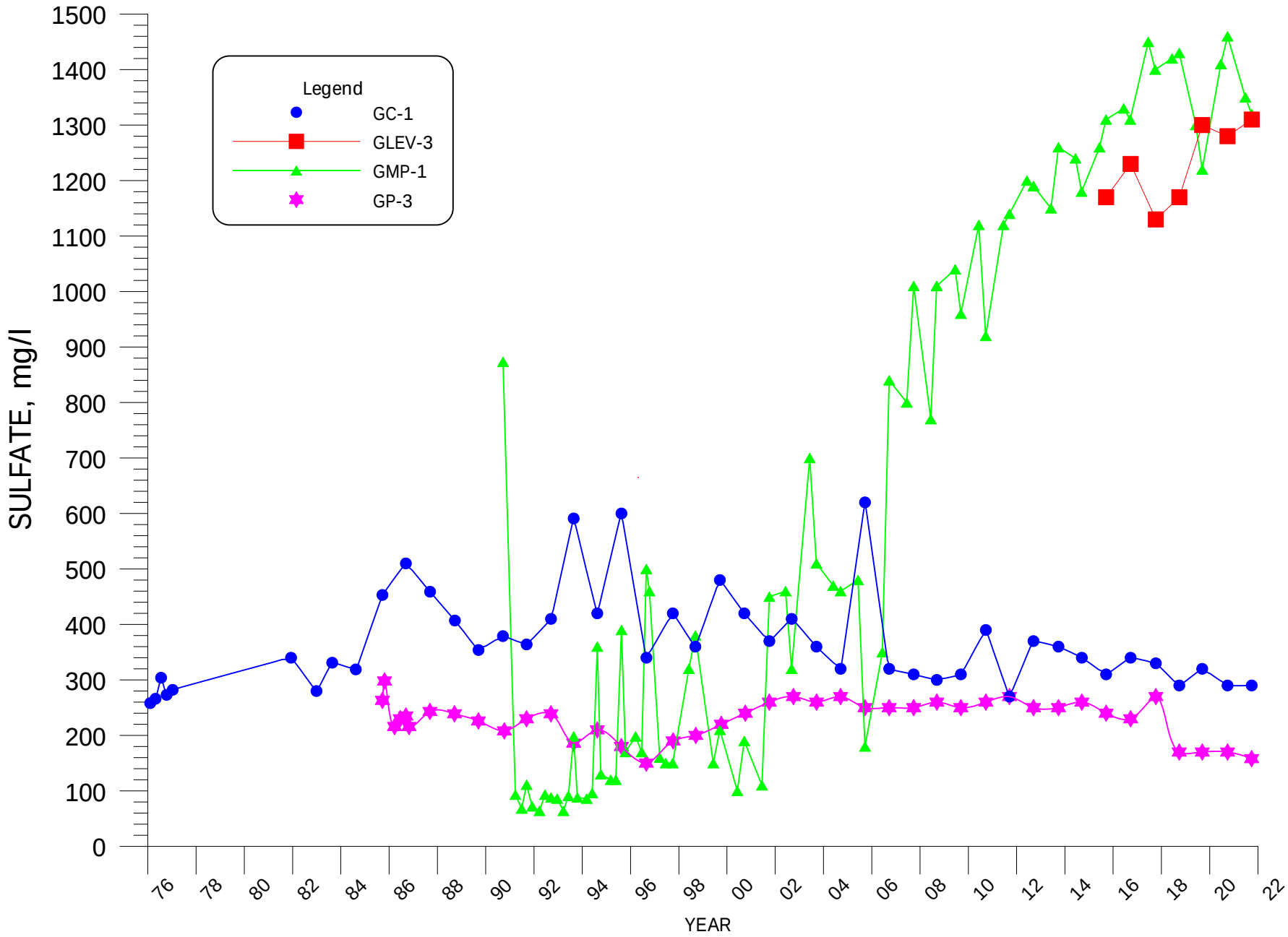


FIGURE B-12. SULFATE VERSUS TIME FOR WELLS GC-1, GLEV-3, GMP-1 AND GP-3.

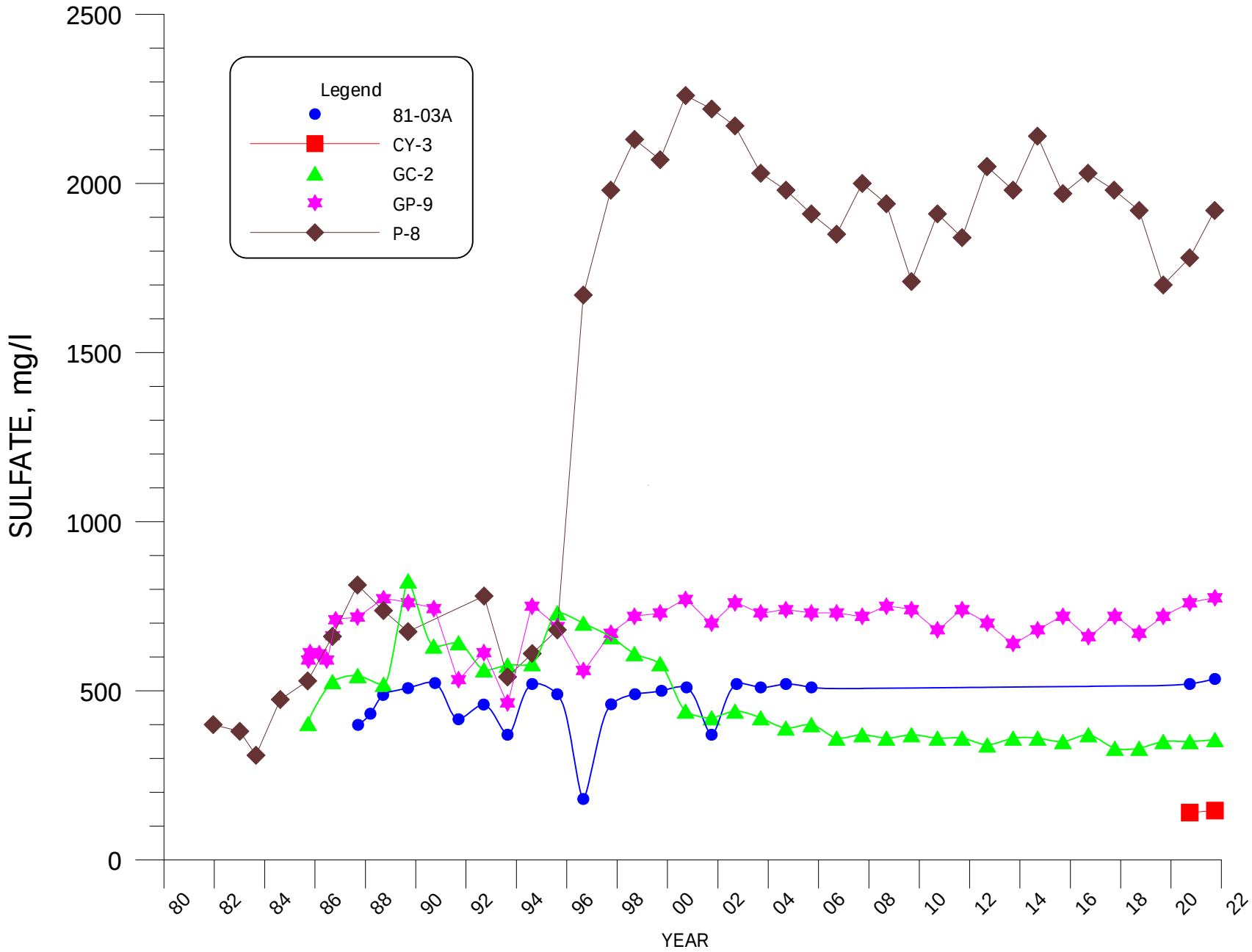


FIGURE B-13. SULFATE VERSUS TIME FOR WELLS 81-03A, CY-3, GC-2, GP-9 AND P-8.

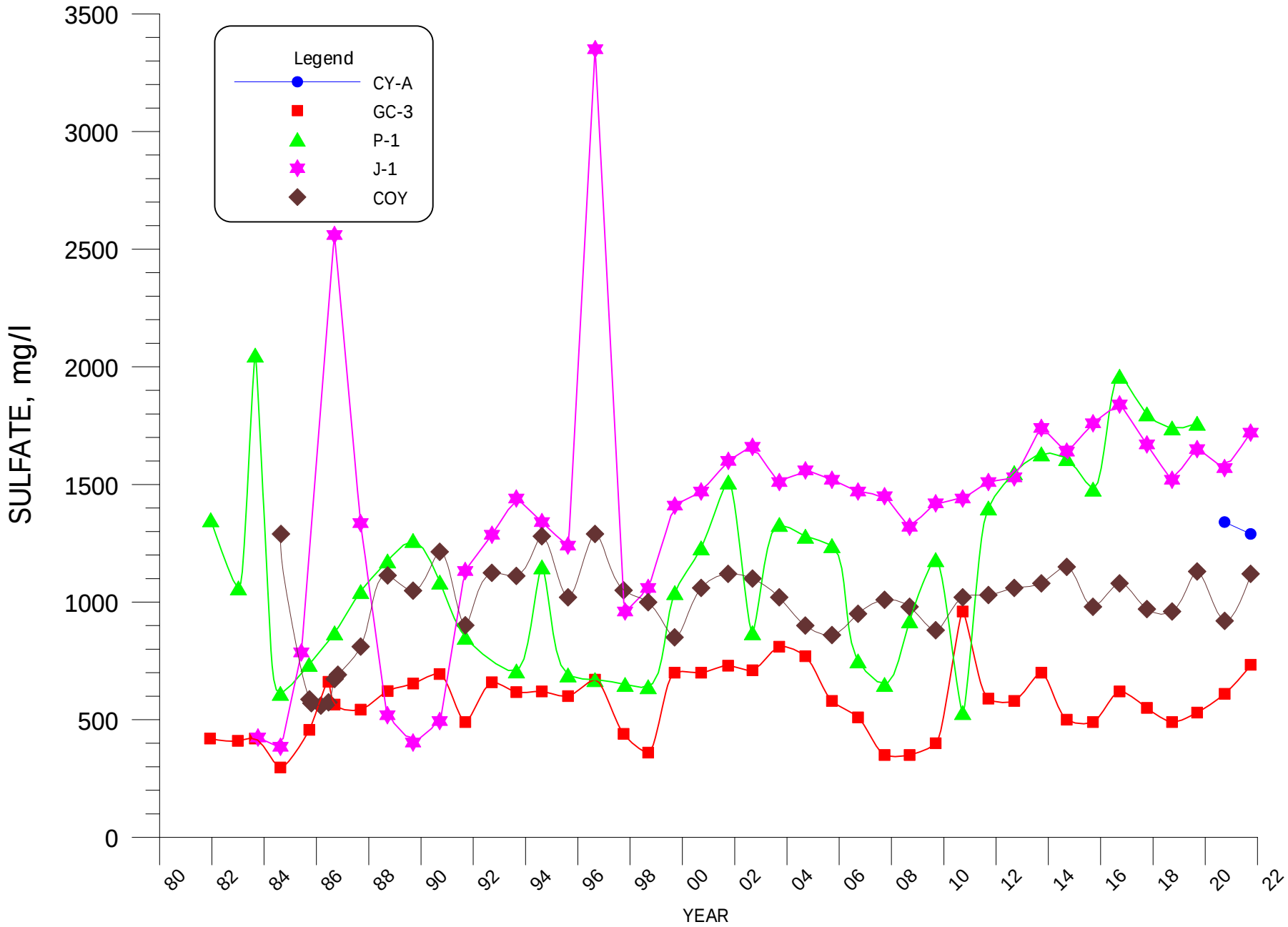


FIGURE B-14. SULFATE VERSUS TIME FOR WELLS CY-A, GC-3, P-1, J-1 AND COY.

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA.

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
81-03A	9/29/2020	12.4	2140	2140	1420	1400	8.80	8.54	< 0.06	0.12	521	82
	6/24/2021	12.7	2140	2110	1420	---	8.80	8.53	---	---	---	---
	9/28/2021	12.9	2360	2080	1410	1420	8.90	8.57	< 0.06	0.07	502	77
COY	6/5/2012	9.5	2310	2210	1860	---	8.00	7.35	---	---	---	---
	9/12/2012	9.4	2260	2270	1880	1880	8.10	7.25	< 0.02	0.46	397	< 2
	6/5/2013	9.8	2460	2540	2060	---	8.00	7.47	---	---	---	---
	9/25/2013	10.3	2540	2650	2150	1930	8.10	7.27	< 0.02	0.30	409	< 2
	6/11/2014	10.2	2710	---	2130	---	8.00	7.42	---	---	---	---
	9/15/2014	10.1	2760	2890	2260	2110	8.10	7.53	< 0.02	0.39	434	< 2
	6/9/2015	9.7	2580	2730	2230	---	8.20	7.58	---	---	---	---
	9/16/2015	9.2	2580	2660	2090	1910	8.00	7.58	< 0.04	0.35	404	< 2
	6/8/2016	10.4	2540	2720	2220	---	8.10	7.44	---	---	---	---
	9/21/2016	9.9	2580	2750	2240	2050	8.10	7.13	< 0.04	0.17	393	< 2
	6/15/2017	9.7	2350	2570	2080	---	8.10	7.48	---	---	---	---
	10/8/2017	9.5	2650	2510	2040	1830	8.10	7.23	< 0.10	0.17	391	< 2
	6/12/2018	9.7	2510	2420	2090	---	8.00	7.41	---	---	---	---
	9/27/2018	10.2	2570	2320	2050	1840	8.20	7.65	< 0.04	0.58	396	< 2
	6/6/2019	10.9	2550	2280	2090	---	8.20	7.46	---	---	---	---
	9/10/2019	10.3	2620	2800	2100	2060	8.00	7.26	0.22	0.80	451	< 2
	6/19/2020	9.9	2510	2570	1960	---	8.10	7.58	---	---	---	---
	9/29/2020	9.4	2400	2510	1950	1820	8.10	7.36	0.08	1.03	397	< 2
	6/24/2021	10.8	2410	2380	1970	---	8.10	7.51	---	---	---	---
	9/28/2021	10.2	2820	2430	2150	2050	8.20	7.56	< 0.12	4.11	414	< 2
CY-1	9/28/2020	12.4	1250	1240	922	879	8.20	7.42	< 0.06	21.80	373	< 2
	6/24/2021	12.6	1140	1210	806	---	8.20	7.38	---	---	---	---
	9/28/2021	11.9	1230	1110	798	774	8.30	7.28	< 0.06	1.00	325	12
CY-2	9/29/2020	12.3	1110	1120	740	728	8.10	7.28	0.21	1.31	361	< 2
	6/24/2021	12.4	1110	1110	714	---	8.20	7.58	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
CY-2	9/28/2021	12.8	1180	1080	718	704	8.40	7.56	< 0.06	0.66	320	14
CY-3	9/29/2020	12.6	1210	1190	784	752	8.70	9.01	0.06	2.95	468	55
	6/24/2021	12.7	1220	1200	746	---	9.10	8.98	---	---	---	---
	9/28/2021	12.9	1300	1180	736	740	9.10	8.86	< 0.06	0.09	394	88
CY-A	9/28/2020	12.3	2630	2660	2370	2230	8.10	7.36	< 0.12	0.68	434	< 2
	6/24/2021	12.4	2730	2530	2440	---	8.10	7.34	---	---	---	---
	9/28/2021	12.1	2950	2480	2400	2210	8.20	7.38	< 0.06	1.48	458	< 2
GC-1	6/5/2012	10.7	1390	1370	920	---	8.00	7.17	---	---	---	---
	9/12/2012	9.8	1380	1410	977	977	8.10	7.10	< 0.02	0.75	452	< 2
	6/5/2013	10.4	1440	1460	1020	---	7.90	7.28	---	---	---	---
	9/25/2013	10.6	1440	1500	1010	959	8.20	7.68	0.03	1.15	451	< 2
	6/11/2014	10.9	1710	1810	1150	---	8.10	7.45	---	---	---	---
	9/15/2014	11.1	1430	1460	920	939	8.20	7.29	< 0.02	0.74	439	< 2
	6/9/2015	11.1	1290	1360	878	---	8.30	7.67	---	---	---	---
	9/16/2015	10.6	1300	1400	882	897	8.00	7.47	0.08	1.15	453	< 2
	6/8/2016	11.3	1420	1490	1060	---	8.20	7.31	---	---	---	---
	9/21/2016	11.1	1300	1380	888	895	8.10	7.35	0.05	0.26	385	< 2
	6/15/2017	10.3	1770	1980	1430	---	8.20	7.50	---	---	---	---
	10/8/2017	10.1	1440	1380	924	902	8.20	7.49	0.66	1.59	430	< 2
	6/12/2018	10.8	1260	1270	862	---	8.10	7.48	---	---	---	---
	9/27/2018	9.6	1360	1270	888	862	8.30	7.57	0.14	0.85	446	< 2
	6/6/2019	10.8	1570	1450	1120	---	8.20	7.56	---	---	---	---
	9/10/2019	11.8	1340	1430	894	894	8.10	7.26	0.14	0.77	413	< 2
	6/19/2020	10.8	1420	1410	980	---	8.10	7.49	---	---	---	---
	9/29/2020	9.4	1300	1290	888	877	8.10	7.18	0.10	0.53	458	< 2
	6/24/2021	11.5	1260	1320	824	---	8.10	7.52	---	---	---	---
	9/28/2021	10.6	1400	1250	856	865	8.30	7.48	0.16	0.96	443	10
GC-2	6/5/2012	10.1	1460	1440	1020	---	7.90	6.98	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GC-2	9/12/2012	10.0	1390	1410	947	947	8.10	7.09	0.03	1.26	455	< 2
	6/5/2013	9.9	1440	1470	1010	---	8.00	7.27	---	---	---	---
	9/25/2013	10.1	1450	1490	1010	950	8.00	7.11	0.37	1.29	456	< 2
	6/11/2014	10.5	1470	1560	960	---	8.00	7.12	---	---	---	---
	9/15/2014	10.1	1470	1510	980	984	8.10	7.16	< 0.02	1.44	488	< 2
	6/9/2015	10.1	1430	1510	1020	---	8.20	7.28	---	---	---	---
	9/16/2015	10.1	1390	1490	1010	979	7.90	7.11	< 0.02	1.81	482	< 2
	6/8/2016	10.1	1400	1480	1040	---	7.90	7.26	---	---	---	---
	9/21/2016	10.5	1380	1470	1000	981	8.00	7.20	0.05	1.67	472	< 2
	6/15/2017	10.1	1320	1490	1010	---	8.10	7.23	---	---	---	---
	10/8/2017	10.2	1490	1450	1000	939	8.10	7.09	0.10	1.75	480	< 2
	6/12/2018	10.5	1260	1350	1020	---	8.10	7.21	---	---	---	---
	9/27/2018	10.6	1480	1380	1020	954	8.20	7.49	0.25	1.49	501	< 2
	6/6/2019	10.1	1450	1350	1030	---	8.20	7.24	---	---	---	---
	9/10/2019	10.8	1430	1520	1000	981	8.00	7.08	0.07	1.92	493	< 2
	6/19/2020	10.2	1440	1450	1030	---	7.90	7.24	---	---	---	---
	9/29/2020	10.4	1420	1410	1020	1010	8.00	7.19	0.09	3.80	543	< 2
	6/24/2021	11.1	1430	1390	1020	---	8.00	7.21	---	---	---	---
	9/28/2021	10.6	1540	1360	1020	975	8.20	7.18	< 0.06	3.61	481	< 2
GC-3	6/5/2012	9.6	2030	2000	1450	---	8.10	7.27	---	---	---	---
	9/12/2012	10.4	1890	1920	1360	1360	8.20	7.41	< 0.02	1.03	446	< 2
	6/5/2013	10.0	2140	2050	1490	---	8.10	7.56	---	---	---	---
	9/25/2013	10.5	2250	2340	1740	1570	8.10	7.42	< 0.02	1.72	428	< 2
	6/11/2014	9.3	2270	2400	1510	---	8.10	7.52	---	---	---	---
	9/15/2014	10.3	2090	2150	1390	1350	8.20	7.51	< 0.02	1.30	363	< 2
	6/9/2015	10.3	2210	2350	1590	---	8.30	7.64	---	---	---	---
	9/16/2015	10.7	1890	2010	1320	1290	8.10	7.56	< 0.02	3.16	314	< 2
	6/8/2016	9.9	1540	1630	1160	---	8.20	7.75	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GC-3	9/21/2016	11.3	1990	2090	1500	1430	8.20	7.44	< 0.02	9.41	362	< 2
	6/15/2017	10.5	2070	2300	1700	---	8.20	7.84	---	---	---	---
	10/8/2017	11.9	2220	2120	1500	1410	8.20	7.57	0.04	0.92	319	< 2
	6/12/2018	10.7	2190	2130	1580	---	8.10	7.81	---	---	---	---
	9/27/2018	12.8	1970	2000	1510	1390	8.20	7.40	< 0.02	0.35	308	< 2
	6/6/2019	9.2	2150	1930	1510	---	8.20	7.79	---	---	---	---
	9/10/2019	11.9	2070	2270	1420	1380	8.10	7.41	< 0.03	2.47	323	< 2
	6/19/2020	9.5	2040	2060	1460	---	8.10	7.60	---	---	---	---
	9/29/2020	11.3	2160	2130	1590	1510	8.00	7.27	< 0.06	0.78	349	< 2
	6/24/2021	10.1	2430	2340	1860	---	8.00	7.64	---	---	---	---
	9/28/2021	10.8	2650	2280	1820	1720	8.20	7.46	< 0.06	10.60	367	< 2
GD-2	6/4/2012	12.4	1610	1780	1300	---	7.80	6.95	---	---	---	---
	9/11/2012	11.6	1720	1720	1240	1240	7.80	6.63	0.44	1.40	645	< 3
	6/4/2013	11.7	1850	1900	1180	---	7.80	7.01	---	---	---	---
	9/24/2013	9.8	1670	1680	1180	1100	7.70	7.01	0.15	1.95	646	< 2
	6/10/2014	12.1	1970	2000	1380	---	7.80	6.76	---	---	---	---
	9/11/2014	11.3	1910	1970	1430	1370	7.80	6.89	0.15	1.56	691	< 2
	6/8/2015	11.2	1700	1810	1290	---	8.00	7.08	---	---	---	---
	9/15/2015	10.7	1630	1810	1260	1240	7.60	7.18	0.91	1.29	676	< 2
	6/7/2016	13.1	1930	2080	1500	---	7.70	7.18	---	---	---	---
	9/15/2016	11.0	1840	1920	1450	1350	7.80	6.96	0.91	1.42	658	< 2
	6/14/2017	11.4	1830	2020	1550	---	7.90	6.85	---	---	---	---
	9/28/2017	11.3	1960	1900	1470	1380	7.80	6.90	0.15	1.46	694	< 2
	6/11/2018	11.8	1970	1870	1540	---	7.80	6.72	---	---	---	---
	9/26/2018	10.8	2000	1780	1500	1390	7.90	7.13	0.26	1.45	691	< 2
	6/4/2019	11.7	2030	1900	1600	---	7.80	6.81	---	---	---	---
	9/9/2019	12.0	1950	2060	1470	1440	8.00	6.88	0.60	1.52	712	< 2
	6/18/2020	11.7	2050	2110	1640	---	7.80	7.10	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GD-2	9/28/2020	10.2	1890	1980	1480	1400	7.90	7.02	0.25	1.55	724	< 2
	6/23/2021	11.6	2040	1980	1660	---	7.80	6.79	---	---	---	---
	9/27/2021	11.3	2010	2150	1500	1430	8.30	7.02	< 0.06	1.60	650	27
GD-3	6/4/2012	12.3	1930	2120	1680	---	7.70	6.48	---	---	---	---
	9/11/2012	11.2	2070	2090	1610	1610	7.70	6.38	1.32	2.20	670	< 2
	6/4/2013	11.6	2140	2180	1670	---	7.60	6.81	---	---	---	---
	9/24/2013	10.8	2180	2230	1720	1550	7.70	6.74	0.42	2.09	679	< 2
	6/10/2014	12.4	2240	2240	1670	---	7.60	6.68	---	---	---	---
	9/11/2014	11.1	2150	2230	1680	1580	7.60	6.72	0.20	1.97	712	< 2
	6/8/2015	11.3	2070	2220	1730	---	7.90	6.85	---	---	---	---
	9/15/2015	11.7	2010	2240	1680	1620	7.60	6.85	0.30	1.91	719	< 2
	6/7/2016	12.0	2100	2230	1700	---	8.40	6.96	---	---	---	---
	9/15/2016	12.1	2110	2220	1770	1580	7.80	6.74	0.65	2.12	678	< 2
	6/14/2017	11.4	2040	2270	1770	---	7.90	6.73	---	---	---	---
	9/28/2017	11.6	2240	2180	1740	1650	7.90	6.71	0.21	2.03	709	< 2
	6/11/2018	12.0	2160	2080	1760	---	7.70	6.64	---	---	---	---
	9/26/2018	11.3	2240	2010	1790	1640	7.60	6.69	0.21	2.07	734	< 2
	6/4/2019	11.8	2230	1980	1810	---	7.70	6.96	---	---	---	---
	9/9/2019	11.9	2260	2400	1820	1750	7.90	6.68	0.27	2.24	762	< 2
	6/18/2020	11.3	2290	2290	1880	---	7.80	6.98	---	---	---	---
	9/28/2020	11.0	2270	2230	1930	1790	7.70	6.67	0.69	2.18	769	< 2
	6/23/2021	12.4	2270	2110	1880	---	7.70	6.91	---	---	---	---
	9/27/2021	11.3	2390	1820	1860	1750	8.30	6.96	0.08	2.28	709	31
GF-4	6/4/2012	11.7	1590	1670	1080	---	9.00	8.84	---	---	---	---
	9/11/2012	13.7	1650	1590	1020	1020	9.00	9.06	0.04	1.03	579	105
	6/4/2013	12.1	1680	1730	1060	---	8.90	9.18	---	---	---	---
	9/24/2013	12.8	1730	1740	1080	1010	8.90	9.49	< 0.02	0.04	599	105
	6/10/2014	12.3	1770	1850	1040	---	8.90	9.21	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GF-4	9/11/2014	13.4	1700	1750	1040	1060	8.90	8.75	0.02	0.05	617	107
	6/8/2015	14.1	1670	1740	1030	---	9.00	9.13	---	---	---	---
	9/15/2015	14.1	1620	1710	1010	1020	9.00	9.02	< 0.02	0.03	594	116
	6/7/2016	14.1	1690	1680	1020	---	7.80	8.61	---	---	---	---
	9/15/2016	13.1	1630	1680	1030	1010	9.00	8.95	< 0.02	0.03	593	103
	6/14/2017	13.3	1570	1720	1020	---	9.10	9.12	---	---	---	---
	9/28/2017	12.1	1640	1640	972	1010	9.00	8.89	< 0.02	0.04	608	113
	6/11/2018	14.9	1620	1610	1060	---	9.00	8.81	---	---	---	---
	9/26/2018	14.5	1650	1620	1020	911	9.00	8.73	< 0.02	< 0.02	606	123
	6/4/2019	14.8	1630	1550	1030	---	9.00	8.64	---	---	---	---
	9/9/2019	15.3	1570	1690	994	1020	8.90	8.98	< 0.03	< 0.03	618	101
	6/18/2020	14.2	1610	1630	1020	---	9.00	9.08	---	---	---	---
	9/28/2020	13.6	1600	1550	1010	1010	9.00	8.98	< 0.06	< 0.30	625	127
	6/23/2021	15.1	1550	1550	1010	---	9.00	8.61	---	---	---	---
	9/27/2021	20.3	1670	1450	978	961	9.10	8.58	< 0.06	0.19	576	114
GF-5	6/4/2012	11.7	1750	1860	1180	---	8.40	7.61	---	---	---	---
	9/11/2012	11.0	1900	1870	1210	1210	8.30	7.59	0.09	0.34	747	29
	6/4/2013	11.1	1880	1930	1340	---	8.30	7.93	---	---	---	---
	9/24/2013	10.2	1910	1920	1220	1160	8.30	8.05	< 0.02	0.22	772	29
	6/10/2014	11.5	1970	1990	1200	---	8.30	7.76	---	---	---	---
	9/11/2014	10.8	1900	1940	1180	1200	8.30	7.67	0.10	0.31	843	17
	6/8/2015	10.9	1910	1990	1190	---	8.50	8.01	---	---	---	---
	9/15/2015	11.4	1900	2000	1180	1220	8.30	8.01	0.09	0.15	910	< 2
	6/7/2016	12.2	1940	2010	1200	---	7.90	7.79	---	---	---	---
	9/15/2016	11.0	1860	1920	1200	1170	8.40	7.94	0.19	0.32	811	29
	6/14/2017	11.2	1790	1940	1200	---	8.40	7.81	---	---	---	---
	9/28/2017	10.7	1910	1880	1200	1190	8.40	7.92	< 0.02	0.08	842	35
	6/11/2018	11.4	1890	1840	1250	---	8.30	7.55	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GF-5	9/26/2018	10.3	1920	1790	1210	1170	8.40	7.91	< 0.02	0.03	854	36
	6/4/2019	11.9	1920	1800	1230	---	8.40	7.61	---	---	---	---
	9/9/2019	12.1	1900	1990	1180	1220	8.50	7.74	< 0.03	0.06	813	58
	6/18/2020	11.4	1900	1910	1210	---	8.40	7.72	---	---	---	---
	9/28/2020	10.1	1920	1790	1220	1230	8.40	7.84	< 0.06	0.21	892	30
	6/23/2021	11.8	1890	1820	1210	---	8.40	7.58	---	---	---	---
	9/27/2021	11.3	2010	1800	1210	1190	8.90	7.60	< 0.06	< 0.06	781	112
GF-6	6/4/2012	11.9	1370	1470	970	---	8.00	6.95	---	---	---	---
	9/11/2012	11.3	1460	1490	986	986	8.00	7.01	0.09	1.06	601	< 5
	6/4/2013	10.9	1500	1540	980	---	8.00	7.31	---	---	---	---
	9/24/2013	10.6	1530	1550	1010	972	8.00	7.31	0.02	1.35	614	< 2
	6/10/2014	11.2	1580	1620	990	---	8.00	7.18	---	---	---	---
	9/11/2014	10.8	1550	1590	1000	1020	8.00	7.13	0.04	0.93	627	< 2
	6/8/2015	10.8	1500	1590	1020	---	8.20	7.34	---	---	---	---
	9/15/2015	11.3	1440	1570	984	1010	8.00	7.25	0.08	0.92	632	< 2
	6/7/2016	11.9	1540	1540	1010	---	8.00	7.17	---	---	---	---
	9/15/2016	11.1	1460	1550	988	960	8.10	7.51	0.11	1.60	602	< 2
	6/14/2017	11.1	1430	1580	1030	---	8.10	7.12	---	---	---	---
	9/28/2017	10.7	1540	1520	992	1010	8.10	7.17	0.07	0.84	629	< 2
	6/11/2018	11.3	1520	1490	1070	---	8.00	7.06	---	---	---	---
	9/26/2018	10.1	1420	1450	1030	994	8.00	7.44	0.20	1.47	638	< 2
	6/4/2019	12.5	1570	1470	1070	---	8.10	7.14	---	---	---	---
	9/9/2019	11.2	1560	1610	1020	1040	8.20	7.12	0.13	1.03	630	< 2
	6/18/2020	11.1	1570	1580	1060	---	8.00	7.13	---	---	---	---
	9/28/2020	9.6	1550	1490	1080	1070	8.00	7.29	0.11	0.93	660	< 2
	6/23/2021	12.3	1570	1530	1100	---	8.00	7.13	---	---	---	---
	9/27/2021	11.3	1670	1500	1090	1080	8.10	7.16	< 0.06	0.99	628	< 2
GF-7	6/4/2012	11.7	4130	4310	3780	---	7.90	6.79	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GF-7	9/11/2012	11.6	4410	4300	3790	3790	8.00	6.95	0.35	0.86	783	< 6
	6/4/2013	11.6	3980	4060	3220	---	7.90	7.18	---	---	---	---
	9/24/2013	11.4	4380	4410	3600	3380	8.00	7.12	0.07	0.71	756	< 2
	6/10/2014	11.9	2720	4500	3580	---	7.90	7.17	---	---	---	---
	9/11/2014	13.4	4560	4630	3590	3560	7.90	6.92	0.12	0.72	830	< 2
	6/8/2015	12.6	4590	4690	3790	---	8.10	7.10	---	---	---	---
	9/15/2015	12.7	4270	4680	3780	3800	7.90	7.17	0.26	0.81	850	< 2
	6/7/2016	13.5	4510	4610	3810	---	8.00	6.87	---	---	---	---
	9/15/2016	11.8	4190	4380	3650	3450	8.00	7.17	0.16	0.85	776	< 2
	6/14/2017	12.5	4160	4520	3880	---	8.00	6.83	---	---	---	---
	9/28/2017	11.6	4530	4220	3750	3540	8.00	6.98	0.39	0.80	806	< 2
	6/11/2018	12.8	4240	3860	3630	---	7.90	6.88	---	---	---	---
	9/26/2018	14.8	4270	3820	3230	3090	8.10	7.08	0.21	0.46	861	< 2
	6/4/2019	12.7	4150	3610	3190	---	8.20	7.04	---	---	---	---
	9/9/2019	12.8	4340	4550	3590	3570	7.80	6.97	0.40	0.96	785	< 2
	6/18/2020	12.4	4170	4120	3660	---	7.90	7.11	---	---	---	---
	9/28/2020	11.9	4020	3850	3450	3320	8.00	7.33	0.14	0.74	765	< 2
	6/23/2021	12.8	4350	3920	3710	---	7.90	7.01	---	---	---	---
	9/27/2021	13.1	4580	3970	3670	3410	8.10	7.04	< 0.12	0.99	776	< 2
GF-11	6/4/2012	12.6	1800	1970	1530	---	7.80	6.43	---	---	---	---
	9/11/2012	11.7	1910	1960	1460	1460	7.60	6.42	1.17	2.48	671	< 4
	6/4/2013	11.4	1930	1980	1510	---	7.60	6.85	---	---	---	---
	9/24/2013	10.8	1980	2030	1530	1400	7.80	6.64	0.42	2.03	664	< 2
	6/10/2014	12.4	2080	2100	1520	---	7.80	6.78	---	---	---	---
	9/11/2014	11.1	2010	2090	1570	1480	7.70	6.82	0.09	2.23	686	< 2
	6/8/2015	11.2	1940	2070	1580	---	7.90	6.85	---	---	---	---
	9/15/2015	11.2	1890	2050	1550	1470	7.70	6.72	0.13	2.36	694	< 2
	6/7/2016	12.8	2010	2010	1600	---	8.10	6.74	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GF-11	9/15/2016	11.4	1930	2030	1570	1480	7.90	6.95	0.30	2.21	611	< 2
	6/14/2017	11.5	1860	2060	1610	---	7.80	6.57	---	---	---	---
	9/28/2017	10.9	2000	1950	1540	1470	7.80	6.63	0.22	2.34	662	< 2
	6/11/2018	11.4	2000	1910	1630	---	7.70	6.71	---	---	---	---
	9/26/2018	10.3	2010	1810	1570	1440	7.80	7.05	0.13	2.61	652	< 2
	6/4/2019	11.6	2100	1890	1710	---	7.90	6.86	---	---	---	---
	9/9/2019	11.9	2030	2130	1590	1540	8.00	6.70	1.40	2.21	640	< 2
	6/18/2020	11.2	2110	2130	1760	---	7.70	6.77	---	---	---	---
	9/28/2020	9.8	2010	1930	1680	1580	7.80	6.98	0.78	2.22	681	< 2
	6/23/2021	12.1	1970	1890	1580	---	7.70	6.81	---	---	---	---
	9/27/2021	10.9	2030	1800	1520	1430	7.90	6.78	< 0.06	2.69	646	< 2
GLEV-1	6/9/2015	14.4	1020	1680	1050	---	8.20	8.85	---	---	---	---
	9/16/2015	12.2	1290	1380	804	812	8.90	9.03	< 0.02	0.25	562	94
	6/8/2016	12.7	1320	1380	834	---	8.90	8.35	---	---	---	---
	9/21/2016	11.2	1310	1370	828	812	8.90	8.71	< 0.02	0.08	512	75
	6/15/2017	12.5	1290	1410	822	---	8.90	9.08	---	---	---	---
	10/8/2017	11.5	1390	1380	838	832	8.90	8.82	< 0.02	0.06	537	80
	6/12/2018	12.5	1340	1350	834	---	8.90	9.05	---	---	---	---
	9/27/2018	13.6	1350	1360	852	827	8.80	8.71	< 0.02	0.10	540	85
	6/6/2019	12.9	1370	1330	858	---	8.90	9.03	---	---	---	---
	9/10/2019	12.3	1360	1410	826	853	8.80	8.94	< 0.03	0.05	536	89
	6/19/2020	11.8	1350	1360	846	---	8.90	8.93	---	---	---	---
	9/29/2020	11.4	1350	1340	856	860	8.90	8.85	< 0.06	< 0.06	562	96
	6/24/2021	12.2	1340	1320	832	---	8.90	8.92	---	---	---	---
	9/28/2021	11.3	1460	1300	840	844	9.00	8.87	< 0.06	< 0.06	523	85
GLEV-3	6/9/2015	12.1	2540	2840	2370	---	8.20	7.39	---	---	---	---
	9/16/2015	11.3	2600	2860	2330	2160	8.10	7.49	< 0.04	4.38	546	< 2
	6/8/2016	11.8	2630	2780	2390	---	8.10	7.43	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GLEV-3	9/21/2016	10.4	2620	2760	2360	2230	8.10	7.32	< 0.04	0.78	534	< 2
	6/15/2017	11.9	2520	2790	2380	---	8.10	7.35	---	---	---	---
	10/8/2017	11.9	2840	2660	2290	2090	8.10	7.27	< 0.02	2.01	551	< 2
	6/12/2018	11.7	2600	2470	2310	---	8.10	7.32	---	---	---	---
	9/27/2018	10.7	2740	2410	2320	2110	8.00	7.46	0.20	7.00	560	< 2
	6/6/2019	12.6	2750	2370	2370	---	8.20	7.31	---	---	---	---
	9/10/2019	11.4	2840	2990	2390	2320	8.10	7.29	0.27	1.49	535	< 2
	6/19/2020	11.2	2760	2670	2400	---	8.10	7.42	---	---	---	---
	9/29/2020	10.8	2840	2490	2510	2320	8.10	7.36	0.16	13.40	569	< 2
	6/24/2021	11.8	3290	2780	3060	---	8.00	7.30	---	---	---	---
	9/28/2021	10.7	3060	2710	2410	2330	8.20	7.41	< 0.12	2.38	552	< 2
GMP-1	6/4/2012	11.7	2530	2710	2400	---	7.80	6.63	---	---	---	---
	9/11/2012	10.3	2770	2740	2340	2340	7.80	6.69	2.30	3.82	603	< 7
	6/4/2013	11.5	2790	2900	2410	---	7.80	6.99	---	---	---	---
	9/24/2013	11.1	2960	3050	2630	2370	7.90	6.87	0.87	3.61	608	< 2
	6/10/2014	11.5	3100	3140	2540	---	7.80	6.91	---	---	---	---
	9/11/2014	11.4	2890	2990	2470	2300	7.80	6.84	0.64	3.57	630	< 2
	6/8/2015	11.3	2960	3140	2680	---	8.00	6.98	---	---	---	---
	9/15/2015	11.5	2740	3130	2690	2480	7.80	6.92	0.88	3.92	629	< 2
	6/7/2016	12.1	2960	3140	2670	---	8.80	6.84	---	---	---	---
	9/15/2016	10.8	2900	3050	2680	2430	7.90	7.13	0.84	3.53	604	< 2
	6/14/2017	12.8	2950	3210	2860	---	7.90	6.72	---	---	---	---
	9/28/2017	10.8	3220	3050	2830	2600	7.90	6.80	1.10	4.21	637	< 2
	6/11/2018	11.8	3080	2870	2770	---	7.80	6.81	---	---	---	---
	9/26/2018	11.4	3310	2860	2950	2630	7.80	7.05	0.75	4.73	672	< 2
	6/4/2019	12.3	3090	2680	2750	---	7.90	6.96	---	---	---	---
	9/9/2019	12.4	2940	3110	2570	2390	7.80	6.89	0.10	14.20	630	< 2
	6/18/2020	11.1	3210	3210	2910	---	7.80	6.98	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GMP-1	9/28/2020	9.8	3200	3070	3010	2720	7.90	7.01	1.26	5.05	660	< 2
	6/23/2021	12.8	3070	2760	2780	---	7.80	7.01	---	---	---	---
	9/27/2021	12.8	3210	2830	2740	2410	8.00	7.02	0.47	2.40	629	< 2
GP-2	6/5/2012	11.7	1290	1270	800	---	8.00	7.09	---	---	---	---
	9/12/2012	10.7	1240	1260	769	769	8.30	7.19	< 0.02	0.71	553	< 2
	6/5/2013	10.5	1260	1270	790	---	8.10	7.44	---	---	---	---
	9/25/2013	11.1	1280	1310	798	782	8.10	7.37	0.06	0.63	554	< 2
	6/11/2014	11.8	1300	1390	780	---	8.10	7.23	---	---	---	---
	9/15/2014	11.1	1290	1330	770	820	8.20	7.29	< 0.02	0.72	573	< 2
	6/9/2015	11.1	1270	1350	816	---	8.30	7.41	---	---	---	---
	9/16/2015	11.3	1240	1330	796	814	8.10	7.33	< 0.02	0.80	562	< 2
	6/7/2016	11.6	1250	1330	832	---	8.10	7.24	---	---	---	---
	9/21/2016	11.1	1240	1310	802	815	8.00	7.09	0.07	0.67	541	< 2
	6/15/2017	10.9	1180	1320	782	---	8.20	7.47	---	---	---	---
	10/8/2017	10.9	1320	1290	786	785	8.20	7.33	0.33	0.66	564	< 2
	6/12/2018	11.9	1250	1260	818	---	8.10	7.44	---	---	---	---
	9/27/2018	10.8	1290	1250	814	809	8.10	7.60	0.18	0.77	574	< 2
	6/6/2019	11.5	1300	1230	832	---	8.30	7.42	---	---	---	---
	9/10/2019	12.2	1270	1340	814	822	8.10	7.22	0.17	0.83	569	< 2
	6/19/2020	10.9	1240	1260	768	---	8.20	7.57	---	---	---	---
	9/29/2020	10.7	1240	1240	796	804	8.20	7.39	0.08	0.62	621	< 2
	6/24/2021	11.9	1300	1290	838	---	8.10	7.34	---	---	---	---
	9/28/2021	12.0	1420	1270	836	841	8.30	7.36	< 0.06	0.83	542	21
GP-3	6/5/2012	12.4	1300	1240	840	---	8.00	8.92	---	---	---	---
	9/12/2012	10.5	1230	1260	830	830	8.20	7.20	0.04	1.35	483	< 2
	6/5/2013	11.1	1290	1340	850	---	8.00	7.37	---	---	---	---
	9/25/2013	11.1	1290	1340	838	809	8.00	7.40	0.35	1.26	483	< 2
	6/11/2014	11.3	1310	1410	800	---	8.00	7.23	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GP-3	9/15/2014	11.5	1300	1360	820	852	8.10	7.34	< 0.02	1.25	508	< 2
	6/8/2015	10.9	1270	1370	828	---	8.20	7.39	---	---	---	---
	9/16/2015	11.3	1230	1340	842	828	8.00	7.30	< 0.02	1.27	498	< 2
	6/7/2016	12.4	1170	1380	718	---	7.90	7.56	---	---	---	---
	9/21/2016	11.1	1240	1320	830	833	8.00	7.34	0.08	1.24	516	< 2
	6/14/2017	11.4	1220	1320	812	---	8.10	7.24	---	---	---	---
	10/8/2017	12.0	1350	1360	860	857	8.10	7.60	0.62	1.29	500	< 2
	6/12/2018	11.9	1310	1510	886	---	8.00	7.26	---	---	---	---
	9/26/2018	12.5	1350	1320	870	833	8.00	7.52	0.19	1.22	613	< 2
	6/6/2019	11.3	1320	1220	858	---	8.20	7.28	---	---	---	---
	9/10/2019	10.7	1300	1360	834	837	8.00	7.18	0.06	1.46	604	< 2
	6/18/2020	11.2	1300	1360	852	---	8.00	7.56	---	---	---	---
	9/28/2020	10.2	1290	1270	852	839	8.10	7.37	< 0.06	1.13	619	< 2
	6/23/2021	12.1	1300	1300	850	---	8.10	7.33	---	---	---	---
	9/27/2021	11.3	1370	1260	844	815	8.20	7.32	< 0.06	1.44	590	< 2
GP-4	6/5/2012	11.2	1290	1300	770	---	8.90	7.09	---	---	---	---
	9/12/2012	11.4	1210	1200	729	729	9.00	9.18	< 0.02	2.46	500	85
	6/5/2013	10.9	1210	1230	770	---	9.00	9.24	---	---	---	---
	9/25/2013	11.5	1240	1240	870	726	9.00	9.35	0.16	13.70	486	86
	6/11/2014	11.5	1250	1310	750	---	8.90	9.26	---	---	---	---
	9/15/2014	11.6	1240	1250	750	743	8.90	8.09	0.02	6.24	532	98
	6/8/2015	10.6	1190	1240	728	---	9.00	9.28	---	---	---	---
	9/16/2015	11.6	1170	1230	694	732	9.00	8.93	< 0.02	0.16	562	104
	6/7/2016	12.1	1180	1240	724	---	8.40	8.65	---	---	---	---
	9/21/2016	11.3	1180	1230	734	725	9.00	8.78	< 0.02	1.39	512	86
	6/14/2017	11.9	1150	1250	720	---	9.00	9.31	---	---	---	---
	10/8/2017	11.3	1220	1210	718	721	9.00	8.79	< 0.02	0.20	553	101
	6/12/2018	11.3	1170	1440	686	---	9.00	9.29	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GP-4	9/26/2018	12.2	1220	1190	748	697	9.00	8.19	< 0.02	0.21	519	103
	6/6/2019	12.3	1200	1170	732	---	9.00	9.21	---	---	---	---
	9/10/2019	11.2	1170	1260	688	738	9.00	9.07	< 0.03	0.09	536	104
	6/18/2020	11.1	1170	1190	732	---	9.00	9.02	---	---	---	---
	9/28/2020	10.6	1180	1150	730	712	9.00	9.05	< 0.06	0.41	561	112
	6/23/2021	10.9	1170	1150	734	---	9.00	8.28	---	---	---	---
	9/27/2021	11.0	1260	1140	716	735	9.10	8.29	< 0.06	< 0.06	553	100
GP-5	6/4/2012	11.9	1720	1850	1170	---	8.80	8.57	---	---	---	---
	9/11/2012	11.0	1860	1820	1160	1160	8.80	8.82	< 0.02	0.03	588	75
	6/4/2013	11.8	1840	1900	1170	---	8.70	8.87	---	---	---	---
	9/24/2013	11.6	1900	1910	1200	1140	8.80	9.02	< 0.02	0.03	600	75
	6/10/2014	11.9	1940	1980	1140	---	8.70	8.97	---	---	---	---
	9/11/2014	11.8	1890	1950	1160	1190	8.70	8.61	< 0.02	0.03	642	79
	6/8/2015	11.4	1850	1930	1160	---	8.90	8.94	---	---	---	---
	9/15/2015	11.9	1840	1930	1160	1170	8.80	8.79	0.02	0.04	630	84
	6/7/2016	12.0	1870	1950	1190	---	7.90	8.39	---	---	---	---
	9/15/2016	11.1	1850	1900	1200	1160	8.80	8.78	0.23	0.58	595	77
	6/14/2017	11.9	1790	1920	1170	---	8.90	8.72	---	---	---	---
	9/28/2017	11.4	1890	1880	1170	1170	8.80	8.66	0.03	0.82	616	83
	6/11/2018	12.3	1860	1860	1230	---	8.70	8.54	---	---	---	---
	9/26/2018	12.3	1900	1850	1200	1150	8.80	8.58	0.05	0.52	625	89
	6/4/2019	12.7	1880	1840	1210	---	8.80	8.51	---	---	---	---
	9/9/2019	12.6	1900	2000	1240	1260	8.60	8.54	0.03	0.65	638	64
	6/18/2020	11.2	1880	1870	1220	---	8.80	8.61	---	---	---	---
	9/28/2020	10.1	1870	1790	1220	1230	8.80	8.58	< 0.06	0.31	659	88
	6/23/2021	12.9	1850	1850	1220	---	8.80	8.47	---	---	---	---
	9/27/2021	12.3	4150	3110	3720	3470	7.90	8.50	0.25	10.50	577	< 2
GP-7	6/5/2012	9.2	1070	1070	690	---	7.90	6.89	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GP-7	9/12/2012	9.8	1010	1060	656	656	8.20	7.13	< 0.02	2.57	420	< 2
	6/5/2013	9.4	1070	1080	700	---	8.00	7.40	---	---	---	---
	9/25/2013	10.9	1070	1080	690	646	8.10	7.51	< 0.02	8.81	426	< 2
	6/11/2014	11.0	1070	1250	1250	---	8.00	8.25	---	---	---	---
	9/15/2014	11.3	1090	1120	690	681	8.10	7.38	0.05	89.20	460	< 2
	6/9/2015	10.5	1050	1100	678	---	8.20	7.23	---	---	---	---
	9/16/2015	10.3	1020	1100	670	674	8.10	7.36	0.09	9.71	464	< 2
	6/8/2016	11.1	1020	1120	704	---	8.00	7.09	---	---	---	---
	9/21/2016	9.3	1030	1090	680	682	8.10	7.14	0.11	34.90	425	< 2
	6/15/2017	12.1	978	1150	650	---	8.10	7.32	---	---	---	---
	10/8/2017	10.5	1140	1120	718	675	8.10	7.02	0.79	112.00	440	< 2
GP-8	6/5/2012	11.8	1180	1140	710	---	8.50	7.94	---	---	---	---
	9/12/2012	10.0	1170	1140	685	685	8.60	8.09	< 0.02	0.40	585	32
	6/5/2013	10.4	1140	1170	690	---	8.50	8.31	---	---	---	---
	9/25/2013	11.0	1160	1160	708	693	8.50	8.45	< 0.02	0.22	586	35
	6/11/2014	11.0	1170	1250	660	---	8.40	8.25	---	---	---	---
	9/15/2014	11.1	1170	1190	680	688	8.50	8.01	0.02	0.18	610	42
	6/9/2015	11.0	1160	1220	718	---	8.70	8.30	---	---	---	---
	9/16/2015	10.5	1130	1190	686	694	8.50	8.09	0.04	0.56	618	33
	6/8/2016	12.1	1150	1210	718	---	8.60	7.84	---	---	---	---
	9/21/2016	9.9	1130	1180	700	699	8.50	8.15	< 0.02	0.72	586	35
	6/15/2017	11.1	1100	1220	708	---	8.60	8.28	---	---	---	---
	10/8/2017	11.2	1210	1190	710	721	8.60	7.96	< 0.04	0.47	610	47
	6/12/2018	12.1	1140	2590	716	---	8.50	8.25	---	---	---	---
	9/27/2018	12.4	1160	1180	726	715	8.40	8.11	0.04	0.30	617	39
	6/6/2019	12.6	1220	1230	752	---	8.70	8.21	---	---	---	---
	9/10/2019	12.8	1160	1270	708	698	8.50	8.01	0.20	1.05	596	47
	6/19/2020	10.9	1150	1170	720	---	8.50	8.16	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
GP-8	9/29/2020	10.6	1170	1190	738	720	8.50	7.94	0.14	2.60	656	40
	6/24/2021	11.8	1250	1240	810	---	8.60	8.20	---	---	---	---
	9/28/2021	10.4	1300	1180	736	730	8.60	8.22	< 0.06	7.47	627	56
GP-9	6/5/2012	11.1	1870	1810	1470	---	8.00	7.12	---	---	---	---
	9/12/2012	10.4	1730	1730	1320	1320	8.10	7.23	0.06	1.19	325	< 2
	6/5/2013	11.4	1750	1740	1340	---	7.80	7.32	---	---	---	---
	9/25/2013	10.7	1730	1780	1310	1230	8.10	7.38	< 0.02	0.75	324	< 2
	6/11/2014	10.9	1850	1940	1380	---	8.00	7.26	---	---	---	---
	9/15/2014	10.7	1820	1870	1360	1310	8.00	7.33	< 0.02	0.92	354	< 2
	6/9/2015	10.8	1870	1970	1540	---	8.10	7.43	---	---	---	---
	9/16/2015	10.7	1820	1930	1480	1390	7.90	7.31	0.04	2.48	373	< 2
	6/8/2016	11.2	1800	1920	1500	---	8.00	7.52	---	---	---	---
	9/21/2016	10.8	1650	1750	1330	1250	8.00	7.18	0.16	0.99	316	< 2
	6/15/2017	10.5	1730	1920	1510	---	8.10	7.56	---	---	---	---
	10/8/2017	10.1	1950	1860	1480	1350	8.10	7.25	0.73	2.41	357	< 2
	6/12/2018	10.8	1840	1780	1500	---	8.00	7.53	---	---	---	---
	9/27/2018	11.1	1830	1670	1400	1260	8.10	7.43	0.31	1.28	342	< 2
	6/6/2019	11.4	1920	1740	1550	---	8.10	7.55	---	---	---	---
	9/10/2019	12.9	1850	1980	1390	1370	8.00	7.20	0.43	2.47	357	< 2
	6/19/2020	10.5	1950	1950	1560	---	7.90	7.40	---	---	---	---
	9/29/2020	10.8	1890	1910	1550	1450	8.00	7.24	0.21	1.55	404	< 2
	6/24/2021	11.2	1890	1810	1560	---	8.00	7.54	---	---	---	---
	9/28/2021	10.8	2010	1760	1460	1440	8.20	7.46	< 0.06	1.85	374	< 2
J-1	6/5/2012	10.3	3430	3240	2970	---	8.00	7.12	---	---	---	---
	9/12/2012	11.0	3170	3150	2710	2710	8.20	7.24	< 0.02	1.11	422	< 2
	6/5/2013	10.1	3360	3470	3010	---	8.00	7.43	---	---	---	---
	9/25/2013	11.4	3380	3510	2990	2880	8.00	7.42	< 0.02	0.54	435	< 2
	6/11/2014	11.0	3450	3600	2960	---	8.00	7.38	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
J-1	9/15/2014	11.9	3430	3550	3020	2830	8.10	7.41	< 0.02	0.80	441	< 2
	6/8/2015	10.6	3370	3600	3170	---	8.10	7.44	---	---	---	---
	9/16/2015	12.1	3290	3580	3190	2990	8.00	7.42	< 0.04	0.71	456	< 2
	6/8/2016	11.4	3470	3670	3340	---	8.10	7.38	---	---	---	---
	9/21/2016	11.7	3440	3620	3290	3040	8.00	7.36	< 0.04	2.69	423	< 2
	6/15/2017	11.4	3270	3660	3250	---	8.10	7.32	---	---	---	---
	10/8/2017	11.5	3710	3380	3130	2900	8.10	7.26	0.15	1.58	453	< 2
	6/12/2018	11.5	3420	3210	3100	---	8.00	7.30	---	---	---	---
	9/27/2018	12.4	3710	3240	3270	2760	7.90	7.36	0.06	1.00	461	< 2
	6/6/2019	11.8	3770	3180	3390	---	8.20	7.28	---	---	---	---
	9/9/2019	12.6	3540	3750	3090	2900	8.00	7.28	0.10	0.18	440	< 2
	6/18/2020	10.7	3510	3510	3140	---	8.10	7.64	---	---	---	---
	9/28/2020	11.6	3410	3550	3040	2800	8.10	7.57	< 0.12	1.31	485	< 2
	6/23/2021	12.1	3410	3260	2970	---	8.00	7.31	---	---	---	---
	9/27/2021	14.1	3920	3430	3280	2970	8.20	7.35	< 0.12	0.43	430	< 2
P-1	6/5/2012	10.5	3390	3240	2900	---	7.90	7.13	---	---	---	---
	9/12/2012	11.6	3210	3200	2780	2780	8.10	7.13	0.12	33.30	516	< 2
	6/5/2013	9.5	3510	3570	3070	---	7.90	7.41	---	---	---	---
	9/25/2013	12.1	3600	3680	3130	2930	8.00	7.18	0.72	41.50	527	< 2
	6/11/2014	10.8	3920	4080	1600	---	7.90	7.29	---	---	---	---
	9/15/2014	11.8	3760	3810	3310	3000	8.00	7.19	0.04	17.90	551	< 2
	6/8/2015	10.9	3400	3670	2760	---	8.10	7.42	---	---	---	---
	9/16/2015	13.1	3280	3430	2830	2810	8.10	7.48	0.05	1100.00	670	< 2
	6/7/2016	10.9	3740	3800	3410	---	9.00	7.27	---	---	---	---
	9/21/2016	12.5	3760	3910	2950	3400	8.00	7.17	0.43	117.00	537	< 2
	6/14/2017	11.1	3710	4060	3650	---	8.10	7.22	---	---	---	---
	10/8/2017	12.5	4060	3640	3520	3200	8.00	7.26	0.12	8.27	556	< 2
	6/12/2018	10.9	3820	4020	5300	---	8.00	7.26	---	---	---	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TDS (mg/l)	DSSUM (mg/l)	pH (units)	pH(f) (std. units)	Fe (mg/l)	Fe (tr) (mg/l)	HCO3 (mg/l)	CO3 (mg/l)
P-1	9/26/2018	13.2	3880	3300	3590	3090	8.00	7.35	1.21	33.50	542	< 2
	6/6/2019	10.9	3900	3230	3590	---	8.10	7.24	---	---	---	---
	9/10/2019	13.4	3720	3880	3260	3120	8.00	7.23	0.13	21.60	530	< 2
	6/18/2020	11.8	4470	3920	5000	---	7.00	7.19	---	---	---	---
	6/23/2021	12.8	3790	3570	3050	---	8.00	7.38	---	---	---	---
P-5	9/15/2014	11.8	3410	3450	3010	2890	8.00	7.28	< 0.02	15.90	465	< 2
	10/8/2017	12.6	3380	3090	2830	2660	8.00	7.02	0.22	36.60	468	< 2
	6/6/2019	12.7	3160	2700	2830	---	8.10	7.04	---	---	---	---
P-8	6/5/2012	10.9	4210	3970	3920	---	7.60	6.51	---	---	---	---
	9/11/2012	10.7	4050	4010	3800	3800	7.60	6.47	0.11	0.61	821	< 8
	6/5/2013	10.5	4130	4260	3800	---	7.70	6.89	---	---	---	---
	9/25/2013	11.2	4050	4150	3770	3480	7.80	6.76	0.06	1.68	745	< 2
	6/10/2014	12.5	4510	4470	3920	---	7.70	6.67	---	---	---	---
	9/11/2014	11.9	4370	4320	3900	3840	7.70	6.69	< 0.02	2.87	878	< 2
	6/8/2015	10.9	3650	3970	3360	---	8.00	6.88	---	---	---	---
	9/15/2015	11.9	3580	4260	3760	3600	7.80	6.95	0.07	0.85	824	< 2
	6/7/2016	12.4	4060	4210	3860	---	8.10	6.63	---	---	---	---
	9/15/2016	11.2	4010	4180	3880	3620	7.80	6.92	< 0.04	0.49	818	< 2
	6/14/2017	12.1	3680	1410	3660	---	7.80	6.59	---	---	---	---
	9/28/2017	12.0	4260	3940	3920	3620	7.90	6.61	0.04	0.39	854	< 2
	6/11/2018	12.4	4050	3720	3880	---	7.70	6.63	---	---	---	---
	9/26/2018	14.1	4200	3570	3840	3530	7.70	6.95	0.07	0.21	854	< 2
	6/6/2019	12.8	4040	3340	3770	---	7.90	6.81	---	---	---	---
	9/10/2019	12.4	3650	3820	3230	3150	7.80	6.73	0.40	2.50	751	< 2
	6/18/2020	12.1	3790	3740	3600	---	7.60	6.87	---	---	---	---
	9/28/2020	10.4	3720	3590	3620	3320	7.90	6.99	0.22	5.44	810	< 2
	6/23/2021	12.2	4070	3750	3770	---	7.70	6.83	---	---	---	---
	9/27/2021	11.9	4130	3720	3620	3380	7.90	6.85	< 0.12	4.41	710	< 2

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
81-03A	9/29/2020	-6.7	71.00	34	520	471.0	1.4	2.6	0.5	< 0.05	< 0.0002
	9/28/2021	-4.3	72.00	30	535	497.0	1.3	2.7	0.6	< 0.05	< 0.0002
COY	9/12/2012	-2.6	2.27	59	1060	174.0	4.1	168.0	174.0	< 0.00	< 0.0005
	9/25/2013	-3.1	2.63	61	1080	200.0	3.7	162.0	175.0	< 0.03	< 0.0004
	9/15/2014	-4.3	3.00	111	1150	228.0	3.9	170.0	176.0	< 0.06	< 0.0002
	9/16/2015	-1.6	3.00	108	980	221.0	3.9	161.0	164.0	< 0.06	< 0.0004
	9/21/2016	-2.9	3.00	147	1080	229.0	3.7	167.0	171.0	< 0.06	0.0008
	10/8/2017	-6.7	2.70	131	970	191.0	3.6	142.0	149.0	< 0.06	< 0.0004
	9/27/2018	-4.9	2.70	127	960	195.0	3.4	150.0	157.0	< 0.06	< 0.0004
	9/10/2019	-1.4	2.00	78	1130	164.0	4.5	222.0	189.0	< 0.10	< 0.0004
	9/29/2020	-1.6	2.70	132	920	197.0	3.8	153.0	167.0	0.06	0.0002
	9/28/2021	-1.4	2.20	94	1120	176.0	4.7	216.0	184.0	< 0.10	< 0.0004
CY-1	9/28/2020	-3.2	1.20	11	380	63.1	3.6	131.0	61.0	< 0.05	0.0015
	9/28/2021	-3.7	1.20	7	329	60.7	3.1	116.0	49.6	< 0.05	0.0030
CY-2	9/29/2020	-4.0	2.80	15	260	115.0	3.2	78.1	33.3	< 0.05	0.0003
	9/28/2021	0.0	3.30	13	251	130.0	3.1	71.2	28.6	< 0.05	0.0028
CY-3	9/29/2020	-7.7	62.00	16	140	274.0	0.8	1.5	< 0.2	< 0.05	< 0.0040
	9/28/2021	0.0	75.00	13	146	285.0	0.8	1.1	< 0.2	< 0.05	0.0009
CY-A	9/28/2020	-2.7	1.50	43	1340	136.0	5.0	201.0	241.0	< 0.10	< 0.0004
	9/28/2021	0.0	1.70	41	1290	152.0	4.8	202.0	243.0	< 0.05	< 0.0004
GC-1	9/12/2012	-0.6	1.42	25	370	83.4	5.7	148.0	73.2	< 0.00	< 0.0005
	9/25/2013	0.0	1.42	25	360	82.1	5.8	146.0	68.7	< 0.03	< 0.0004
	9/15/2014	-3.0	2.40	33	340	122.0	5.3	111.0	59.5	< 0.06	< 0.0002
	9/16/2015	0.0	1.90	25	310	101.0	5.3	118.0	60.4	< 0.03	0.0002
	9/21/2016	-3.2	2.20	39	340	112.0	5.4	105.0	57.5	< 0.03	< 0.0002
	10/8/2017	-6.3	2.20	35	330	112.0	5.4	101.0	55.7	< 0.03	0.0005
	9/27/2018	-3.2	2.10	25	290	108.0	5.3	105.0	56.0	0.03	0.0003

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GC-1	9/10/2019	0.0	2.00	34	320	106.0	5.4	115.0	60.8	< 0.05	0.0004
	9/29/2020	-3.2	2.10	26	290	106.0	5.5	110.0	58.9	< 0.05	< 0.0002
	9/28/2021	-3.2	2.20	21	290	110.0	5.5	107.0	53.9	< 0.05	0.0003
GC-2	9/12/2012	0.9	1.38	24	340	81.1	5.8	150.0	72.2	< 0.00	< 0.0005
	9/25/2013	-3.0	1.35	24	360	76.9	5.4	143.0	66.1	< 0.03	< 0.0004
	9/15/2014	-2.9	1.40	22	360	79.1	5.9	150.0	68.5	< 0.06	< 0.0002
	9/16/2015	-2.9	1.30	23	350	78.1	5.7	156.0	71.9	< 0.03	< 0.0002
	9/21/2016	-2.9	1.30	23	370	77.5	5.8	147.0	68.4	< 0.03	0.0003
	10/8/2017	-3.0	1.30	23	330	76.5	5.7	143.0	67.1	0.07	< 0.0002
	9/27/2018	-5.9	1.40	23	330	77.5	5.5	144.0	67.6	0.03	< 0.0002
	9/10/2019	-2.9	1.40	22	350	80.6	5.6	152.0	69.4	< 0.05	< 0.0002
	9/29/2020	-5.6	1.30	23	350	77.5	5.7	149.0	71.5	< 0.05	< 0.0002
	9/28/2021	-2.9	1.40	19	356	79.9	5.8	152.0	67.8	< 0.05	< 0.0004
GC-3	9/12/2012	-0.6	3.55	79	580	211.0	5.2	127.0	89.7	< 0.00	< 0.0005
	9/25/2013	-1.9	3.20	130	700	210.0	5.2	157.0	108.0	< 0.03	< 0.0004
	9/15/2014	0.0	3.40	191	500	206.0	5.9	129.0	90.5	< 0.06	< 0.0002
	9/16/2015	0.0	2.70	196	490	167.0	5.7	130.0	97.4	< 0.03	0.0002
	9/21/2016	-4.2	2.90	159	620	177.0	7.1	132.0	101.0	< 0.03	0.0006
	10/8/2017	-4.2	2.90	252	550	176.0	7.8	132.0	96.4	0.11	0.0002
	9/27/2018	-4.2	2.00	294	490	134.0	6.2	159.0	111.0	0.04	0.0002
	9/10/2019	-2.1	2.10	232	530	139.0	5.8	172.0	104.0	< 0.05	0.0002
	9/29/2020	-3.8	2.00	239	610	138.0	6.5	193.0	112.0	< 0.05	< 0.0002
	9/28/2021	-1.7	2.20	250	733	161.0	6.4	221.0	126.0	< 0.05	0.0002
GD-2	6/4/2012	---	---	---	450	---	---	---	---	< 0.03	---
	9/11/2012	3.9	0.52	18	430	39.0	6.5	233.0	128.0	< 0.03	< 0.0005
	6/4/2013	---	---	---	550	---	---	---	---	< 0.03	---
	9/24/2013	- 2.4	0.59	16	350	40.0	5.9	195.0	102.0	0.03	< 0.0004
	6/10/2014	---	---	---	490	---	---	---	---	0.00	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GD-2	9/11/2014	-2.0	0.49	18	520	37.2	6.2	240.0	124.0	< 0.06	< 0.0002
	6/8/2015	---	---	---	410	---	---	---	---	< 0.03	---
	9/15/2015	0.0	0.56	17	420	40.9	6.0	223.0	117.0	< 0.03	< 0.0002
	6/7/2016	---	---	---	540	---	---	---	---	0.00	---
	9/15/2016	-2.0	0.49	19	520	37.0	6.2	237.0	123.0	< 0.03	< 0.0002
	6/14/2017	---	---	---	570	---	---	---	---	< 0.03	---
	9/28/2017	-4.0	0.50	21	530	38.1	6.2	237.0	126.0	< 0.03	0.0004
	6/11/2018	---	---	---	590	---	---	---	---	< 0.03	---
	9/26/2018	-2.0	0.49	20	530	37.6	6.2	243.0	129.0	< 0.03	< 0.0002
	6/4/2019	---	---	---	600	---	---	---	---	< 0.05	---
	9/9/2019	-3.8	0.52	20	560	40.1	6.1	251.0	131.0	< 0.05	< 0.0002
	6/18/2020	---	---	---	620	---	---	---	---	< 0.05	---
	9/28/2020	-4.0	0.53	21	530	40.2	6.2	236.0	127.0	< 0.05	< 0.0002
	6/23/2021	---	---	---	627	---	---	---	---	< 0.05	---
	9/27/2021	0.0	0.54	19	549	42.2	6.6	260.0	135.0	< 0.05	< 0.0002
GD-3	6/4/2012	---	---	---	660	---	---	---	---	< 0.03	---
	9/11/2012	4.2	0.55	32	660	47.1	5.9	307.0	158.0	< 0.03	< 0.0005
	6/4/2013	---	---	---	760	---	---	---	---	< 0.03	---
	9/24/2013	- 1.8	0.53	33	650	42.2	5.3	277.0	136.0	0.03	< 0.0004
	6/10/2014	---	---	---	640	---	---	---	---	0.00	---
	9/11/2014	-3.6	0.53	31	650	42.8	5.4	281.0	136.0	< 0.06	< 0.0002
	6/8/2015	---	---	---	640	---	---	---	---	0.03	---
	9/15/2015	1.7	0.52	32	650	43.9	5.5	304.0	148.0	< 0.03	< 0.0002
	6/7/2016	---	---	---	670	---	---	---	---	0.00	---
	9/15/2016	0.0	0.52	34	660	42.5	5.4	285.0	139.0	< 0.03	< 0.0002
	6/14/2017	---	---	---	690	---	---	---	---	0.03	---
	9/28/2017	-1.7	0.54	37	690	44.8	5.6	289.0	145.0	< 0.03	< 0.0002
	6/11/2018	---	---	---	700	---	---	---	---	< 0.03	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GD-3	9/26/2018	-1.7	0.54	34	670	44.7	5.5	292.0	146.0	< 0.03	< 0.0002
	6/4/2019	---	---	---	700	---	---	---	---	< 0.05	---
	9/9/2019	-3.2	0.56	36	730	47.8	5.3	311.0	153.0	< 0.05	< 0.0002
	6/18/2020	---	---	---	750	---	---	---	---	< 0.05	---
	9/28/2020	-1.6	0.56	39	760	47.6	5.7	310.0	158.0	< 0.05	< 0.0002
	6/23/2021	---	---	---	716	---	---	---	---	< 0.05	---
	9/27/2021	0.0	0.56	35	730	48.4	5.7	318.0	156.0	0.12	< 0.0002
GF-4	6/4/2012	---	---	---	200	---	---	---	---	< 0.03	---
	9/11/2012	2.5	81.60	23	160	417.0	1.7	1.2	0.5	< 0.03	< 0.0005
	6/4/2013	---	---	---	280	---	---	---	---	< 0.03	---
	9/24/2013	- 5.6	75.60	25	180	380.0	1.5	1.3	0.4	< 0.03	< 0.0004
	6/10/2014	---	---	---	180	---	---	---	---	0.00	---
	9/11/2014	-2.7	77.00	23	190	397.0	1.7	1.4	0.4	< 0.06	< 0.0002
	6/8/2015	---	---	---	150	---	---	---	---	< 0.03	---
	9/15/2015	0.0	78.00	23	170	393.0	1.4	1.3	0.4	< 0.03	< 0.0002
	6/7/2016	---	---	---	160	---	---	---	---	0.00	---
	9/15/2016	-2.9	77.00	23	170	389.0	1.3	1.3	0.4	< 0.03	< 0.0002
	6/14/2017	---	---	---	180	---	---	---	---	< 0.03	---
	9/28/2017	-2.9	86.00	23	150	389.0	1.5	1.1	0.3	< 0.03	< 0.0002
	6/11/2018	---	---	---	150	---	---	---	---	< 0.03	---
	9/26/2018	0.0	78.00	22	70	371.0	1.3	1.1	0.4	< 0.03	< 0.0002
	6/4/2019	---	---	---	240	---	---	---	---	< 0.05	---
	9/9/2019	0.0	100.00	21	150	404.0	1.3	1.2	< 0.2	< 0.05	< 0.0002
	6/18/2020	---	---	---	150	---	---	---	---	< 0.05	---
	9/28/2020	-5.6	67.00	21	150	378.0	1.4	1.5	0.6	< 0.05	< 0.0002
	6/23/2021	---	---	---	143	---	---	---	---	< 0.05	---
	9/27/2021	0.0	72.00	18	137	381.0	1.8	1.3	0.5	< 0.05	< 0.0002
GF-5	6/4/2012	---	---	---	230	---	---	---	---	< 0.03	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GF-5	9/11/2012	3.7	18.80	16	230	450.0	5.4	23.5	12.8	0.06	< 0.0005
	6/4/2013	---	---	---	420	---	---	---	---	< 0.03	---
	9/24/2013	- 2.4	17.80	14	220	403.0	5.1	21.3	11.3	< 0.03	< 0.0004
	6/10/2014	---	---	---	210	---	---	---	---	0.00	---
	9/11/2014	-4.8	18.00	13	210	409.0	5.1	21.5	11.9	< 0.06	< 0.0002
	6/8/2015	---	---	---	190	---	---	---	---	< 0.03	---
	9/15/2015	0.0	18.00	14	170	426.0	7.8	22.5	12.0	< 0.03	0.0004
	6/7/2016	---	---	---	180	---	---	---	---	0.00	---
	9/15/2016	0.0	19.00	14	190	418.0	5.1	19.7	10.5	< 0.03	< 0.0002
	6/14/2017	---	---	---	190	---	---	---	---	< 0.03	---
	9/28/2017	-2.3	19.00	15	180	422.0	5.8	19.8	11.3	< 0.03	< 0.0002
	6/11/2018	---	---	---	190	---	---	---	---	< 0.03	---
	9/26/2018	-4.8	19.00	15	170	405.0	5.7	19.1	10.8	< 0.03	< 0.0002
	6/4/2019	---	---	---	180	---	---	---	---	< 0.05	---
	9/9/2019	0.0	20.00	14	190	442.0	5.6	19.7	10.7	< 0.05	< 0.0002
	6/18/2020	---	---	---	180	---	---	---	---	< 0.05	---
	9/28/2020	-4.5	20.00	15	190	423.0	6.7	19.0	9.9	< 0.05	< 0.0002
	6/23/2021	---	---	---	203	---	---	---	---	< 0.05	---
	9/27/2021	-2.3	20.00	14	175	420.0	6.3	18.1	9.3	< 0.05	< 0.0004
GF-6	6/4/2012	---	---	---	250	---	---	---	---	< 0.03	---
	9/11/2012	1.7	3.05	11	260	163.0	5.0	128.0	56.6	< 0.03	< 0.0005
	6/4/2013	---	---	---	280	---	---	---	---	< 0.03	---
	9/24/2013	- 2.9	2.91	11	260	151.0	4.7	123.0	52.0	< 0.03	< 0.0004
	6/10/2014	---	---	---	250	---	---	---	---	0.00	---
	9/11/2014	-2.7	2.90	10	280	156.0	4.9	128.0	55.1	< 0.06	< 0.0002
	6/8/2015	---	---	---	250	---	---	---	---	< 0.03	---
	9/15/2015	-2.7	2.90	11	270	156.0	4.8	130.0	55.1	< 0.03	< 0.0002
	6/7/2016	---	---	---	270	---	---	---	---	0.00	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GF-6	9/15/2016	-2.9	2.90	11	250	151.0	4.9	122.0	52.2	< 0.03	0.0003
	6/14/2017	---	---	---	290	---	---	---	---	< 0.03	---
	9/28/2017	-2.7	2.90	12	280	150.0	5.0	124.0	55.1	< 0.03	0.0003
	6/11/2018	---	---	---	290	---	---	---	---	< 0.03	---
	9/26/2018	-2.7	2.60	12	260	141.0	4.8	129.0	56.4	< 0.03	< 0.0002
	6/4/2019	---	---	---	300	---	---	---	---	< 0.05	---
	9/9/2019	0.0	2.70	12	290	152.0	4.9	140.0	59.5	< 0.05	0.0002
	6/18/2020	---	---	---	310	---	---	---	---	< 0.05	---
	9/28/2020	-2.6	2.60	13	300	143.0	5.1	140.0	61.5	< 0.05	0.0002
	6/23/2021	---	---	---	318	---	---	---	---	< 0.05	---
	9/27/2021	-2.6	2.50	11	317	142.0	5.0	152.0	63.5	< 0.05	0.0002
GF-7	6/4/2012	---	---	---	1970	---	---	---	---	< 0.03	---
	9/11/2012	2.4	9.29	65	2020	785.0	10.1	255.0	182.0	< 0.03	0.0006
	6/4/2013	---	---	---	1780	---	---	---	---	< 0.03	---
	9/24/2013	- 2.8	7.48	64	1840	607.0	9.0	239.0	165.0	< 0.03	< 0.0004
	6/10/2014	---	---	---	1860	---	---	---	---	0.00	---
	9/11/2014	-0.9	8.00	62	1880	669.0	9.2	251.0	175.0	< 0.06	< 0.0002
	6/8/2015	---	---	---	1940	---	---	---	---	< 0.03	---
	9/15/2015	-0.8	8.90	64	2030	739.0	9.6	256.0	172.0	< 0.06	0.0004
	6/7/2016	---	---	---	2000	---	---	---	---	0.00	---
	9/15/2016	0.0	7.30	65	1840	621.0	8.9	256.0	181.0	< 0.06	< 0.0004
	6/14/2017	---	---	---	1950	---	---	---	---	< 0.06	---
	9/28/2017	-2.7	8.20	68	1900	662.0	9.0	236.0	167.0	< 0.06	< 0.0004
	6/11/2018	---	---	---	1880	---	---	---	---	< 0.06	---
	9/26/2018	-3.0	9.80	61	1540	668.0	6.8	165.0	119.0	< 0.06	0.0005
	6/4/2019	---	---	---	700	---	---	---	---	< 0.10	---
	9/9/2019	0.9	8.20	63	1900	688.0	8.6	254.0	174.0	< 0.10	0.0005
	6/18/2020	---	---	---	1830	---	---	---	---	< 0.10	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GF-7	9/28/2020	-3.8	6.90	69	1800	561.0	7.5	245.0	166.0	< 0.10	< 0.0004
	6/23/2021	---	---	---	1980	---	---	---	---	< 0.05	---
	9/27/2021	-5.6	7.10	62	1880	572.0	8.0	244.0	162.0	< 0.10	0.0006
GF-11	6/4/2012	---	---	---	580	---	---	---	---	< 0.03	---
	9/11/2012	3.4	0.50	23	560	40.4	5.8	302.0	127.0	< 0.03	< 0.0005
	9/24/2013	- 4.0	0.47	22	560	35.4	5.1	270.0	109.0	0.03	< 0.0004
	6/10/2014	---	---	---	600	---	---	---	---	0.00	---
	9/11/2014	-1.9	0.47	21	590	37.2	5.4	288.0	116.0	< 0.06	< 0.0002
	6/8/2015	---	---	---	570	---	---	---	---	< 0.03	---
	9/15/2015	-1.9	0.47	23	570	37.4	5.2	291.0	116.0	< 0.03	< 0.0002
	6/7/2016	---	---	---	670	---	---	---	---	0.00	---
	9/15/2016	0.0	0.45	21	640	35.1	5.2	284.0	116.0	< 0.03	< 0.0002
	6/14/2017	---	---	---	640	---	---	---	---	< 0.03	---
	9/28/2017	-1.9	0.47	22	600	36.9	5.4	281.0	118.0	< 0.03	< 0.0002
	6/11/2018	---	---	---	670	---	---	---	---	< 0.03	---
	9/26/2018	-2.0	0.45	21	590	34.9	5.1	273.0	113.0	< 0.03	< 0.0002
	6/4/2019	---	---	---	710	---	---	---	---	< 0.05	---
	9/9/2019	0.0	0.46	20	660	37.1	5.0	302.0	124.0	< 0.05	< 0.0002
	6/18/2020	---	---	---	760	---	---	---	---	< 0.05	---
	9/28/2020	-3.6	0.45	21	680	36.0	5.2	294.0	124.0	< 0.05	< 0.0002
	6/23/2021	---	---	---	610	---	---	---	---	< 0.05	---
	9/27/2021	2.0	0.50	20	561	39.2	5.4	288.0	117.0	< 0.05	< 0.0002
GLEV-1	9/16/2015	-3.4	52.00	5	80	322.0	1.2	1.7	0.8	< 0.03	0.0007
	9/21/2016	0.0	53.00	5	120	324.0	1.1	1.7	0.7	< 0.03	0.0008
	10/8/2017	-3.4	55.00	5	130	316.0	1.2	1.6	0.6	< 0.03	0.0005
	9/27/2018	-3.4	57.00	4	120	317.0	0.9	1.6	0.5	0.03	0.0004
	9/10/2019	0.0	48.00	4	130	332.0	0.9	2.0	1.0	< 0.05	0.0004
	9/29/2020	-6.7	47.00	4	130	319.0	1.1	2.1	1.0	< 0.05	0.0003

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GLEV-1	9/28/2021	0.0	48.00	4	135	329.0	1.0	2.0	1.0	< 0.05	0.0003
GLEV-3	9/16/2015	0.0	1.80	55	1170	155.0	4.9	196.0	242.0	< 0.06	< 0.0004
	9/21/2016	-1.3	1.90	57	1230	165.0	4.8	196.0	242.0	< 0.06	0.0010
	10/8/2017	-1.4	1.90	55	1130	160.0	4.6	176.0	226.0	0.04	< 0.0004
	9/27/2018	-5.7	1.90	51	1170	157.0	4.2	170.0	215.0	< 0.06	< 0.0004
	9/10/2019	-2.6	1.90	55	1300	172.0	4.7	203.0	251.0	< 0.10	< 0.0004
	9/29/2020	-1.3	1.90	61	1280	167.0	6.1	201.0	257.0	< 0.10	< 0.0004
	9/28/2021	-2.6	2.00	54	1310	173.0	4.8	205.0	246.0	< 0.10	< 0.0004
GMP-1	6/4/2012	---	---	---	1200	---	---	---	---	< 0.03	---
	9/11/2012	3.7	1.93	58	1190	180.0	5.1	349.0	196.0	< 0.03	< 0.0005
	6/4/2013	---	---	---	1150	---	---	---	---	< 0.03	---
	9/24/2013	- 1.3	1.87	58	1260	168.0	4.8	331.0	179.0	0.04	< 0.0004
	6/10/2014	---	---	---	1240	---	---	---	---	0.00	---
	9/11/2014	0.0	1.90	56	1180	170.0	4.8	331.0	175.0	< 0.06	< 0.0002
	6/8/2015	---	---	---	1260	---	---	---	---	< 0.06	---
	9/15/2015	-1.2	1.80	62	1310	170.0	4.9	361.0	187.0	< 0.06	< 0.0004
	6/7/2016	---	---	---	1330	---	---	---	---	0.00	---
	9/15/2016	-2.5	2.00	63	1310	176.0	4.5	337.0	174.0	< 0.06	< 0.0004
	6/14/2017	---	---	---	1450	---	---	---	---	< 0.06	---
	9/28/2017	-2.3	1.80	70	1400	174.0	5.1	368.0	196.0	< 0.06	< 0.0004
	6/11/2018	---	---	---	1420	---	---	---	---	< 0.06	---
	9/26/2018	-4.7	1.80	68	1430	167.0	4.9	359.0	190.0	< 0.06	< 0.0004
	6/4/2019	---	---	---	1300	---	---	---	---	< 0.10	---
	9/9/2019	0.0	2.60	64	1220	226.0	4.3	325.0	167.0	< 0.10	< 0.0004
	6/18/2020	---	---	---	1410	---	---	---	---	< 0.10	---
	9/28/2020	-2.2	1.90	78	1460	180.0	5.2	385.0	205.0	< 0.10	< 0.0004
	6/23/2021	---	---	---	1350	---	---	---	---	< 0.05	---
	9/27/2021	-7.7	1.80	72	1320	155.0	4.3	312.0	161.0	< 0.10	< 0.0004

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GP-2	9/12/2012	-2.1	3.53	7	160	152.0	3.3	66.5	46.9	< 0.00	< 0.0005
	9/25/2013	-3.4	3.78	7	170	159.0	3.4	64.4	44.1	< 0.03	< 0.0004
	9/15/2014	-3.2	3.70	7	180	163.0	3.7	68.8	47.3	< 0.06	< 0.0002
	9/16/2015	0.0	3.40	7	180	154.0	3.6	73.9	51.1	< 0.03	< 0.0002
	9/21/2016	0.0	3.90	7	190	169.0	3.6	67.3	46.3	< 0.03	< 0.0002
	10/8/2017	-3.4	4.00	7	160	164.0	3.5	60.9	43.2	< 0.03	< 0.0002
	9/27/2018	-6.7	3.50	7	180	152.0	3.2	66.7	47.5	< 0.03	< 0.0002
	9/10/2019	0.0	3.60	7	180	161.0	3.3	72.4	50.1	< 0.05	< 0.0002
	9/29/2020	-6.7	4.80	7	140	183.0	3.2	52.0	38.2	< 0.05	< 0.0002
	9/28/2021	-3.2	3.80	7	200	167.0	3.4	71.5	47.8	< 0.05	< 0.0002
GP-3	9/12/2012	-0.3	1.62	13	250	87.1	3.4	126.0	59.7	< 0.03	< 0.0005
	9/25/2013	-3.4	1.60	13	250	81.9	3.1	116.0	53.4	< 0.03	< 0.0004
	9/15/2014	-3.2	1.60	12	260	86.4	3.4	123.0	55.4	< 0.06	< 0.0002
	9/16/2015	0.0	1.60	13	240	83.6	3.4	125.0	58.3	< 0.03	< 0.0002
	9/21/2016	-3.2	1.80	12	230	92.6	3.3	120.0	58.1	< 0.03	< 0.0002
	10/8/2017	-3.2	1.50	13	270	82.0	3.3	123.0	58.7	0.03	< 0.0002
	9/26/2018	-3.2	1.90	12	170	99.4	3.2	114.0	58.8	< 0.03	< 0.0002
	9/10/2019	0.0	2.00	11	170	106.0	3.1	117.0	59.9	< 0.05	< 0.0002
	9/28/2020	-3.2	2.00	11	170	103.0	3.2	113.0	59.2	< 0.05	< 0.0002
	9/27/2021	3.2	2.10	10	158	108.0	3.2	116.0	58.5	< 0.05	< 0.0002
GP-4	9/12/2012	0.4	60.10	10	60	302.0	1.1	1.3	0.4	< 0.03	< 0.0005
	9/25/2013	0.0	50.20	13	70	292.0	1.4	1.8	0.5	0.06	< 0.0004
	9/15/2014	-3.7	49.00	11	50	292.0	1.2	1.8	0.6	< 0.06	< 0.0002
	9/16/2015	-3.7	65.00	7	20	293.0	1.1	1.1	0.3	< 0.03	< 0.0002
	9/21/2016	0.0	67.00	10	50	296.0	0.9	1.2	0.2	< 0.03	0.0003
	10/8/2017	-3.7	68.00	7	20	291.0	0.8	1.1	0.2	< 0.03	< 0.0002
	9/26/2018	0.0	61.00	10	20	284.0	0.9	1.2	0.3	< 0.03	< 0.0002
	9/10/2019	0.0	85.00	7	30	306.0	0.8	1.0	< 0.2	< 0.05	< 0.0002

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GP-4	9/28/2020	-3.7	78.00	7	< 20	290.0	0.9	1.1	< 0.2	< 0.05	< 0.0002
	9/27/2021	0.0	68.00	7	21	303.0	0.9	1.1	0.3	< 0.05	< 0.0002
GP-5	9/11/2012	4.0	61.50	24	260	469.0	1.7	2.7	1.1	< 0.03	< 0.0005
	9/24/2013	- 2.6	57.60	24	280	426.0	1.6	2.6	1.0	< 0.03	< 0.0004
	9/11/2014	-2.4	59.00	22	270	450.0	1.8	2.8	1.0	< 0.06	< 0.0002
	9/15/2015	-2.4	59.00	24	270	437.0	1.6	2.6	1.0	< 0.03	< 0.0002
	9/15/2016	0.0	46.00	24	280	435.0	1.5	4.2	1.7	< 0.03	< 0.0002
	9/28/2017	-5.0	61.00	25	280	431.0	1.6	2.4	0.9	< 0.03	< 0.0002
	9/26/2018	-2.6	55.00	24	260	423.0	1.5	2.7	1.1	< 0.03	< 0.0002
	9/9/2019	0.0	24.00	26	320	456.0	1.6	17.1	7.3	< 0.05	< 0.0002
	9/28/2020	-4.8	41.00	25	300	440.0	1.6	5.5	2.2	< 0.05	< 0.0002
	9/27/2021	-0.9	1.80	153	1970	195.0	5.8	545.0	245.0	< 0.10	< 0.0004
GP-7	9/12/2012	0.4	0.39	7	180	21.4	3.0	131.0	60.7	< 0.03	< 0.0005
	9/25/2013	0.0	0.41	7	170	21.8	3.0	130.0	57.7	< 0.03	< 0.0004
	9/15/2014	-4.0	0.41	8	180	21.8	3.1	129.0	57.3	< 0.06	0.0004
	9/16/2015	-4.0	0.38	7	170	20.4	2.8	131.0	58.5	0.03	0.0002
	9/21/2016	-4.0	0.39	8	200	21.3	2.9	131.0	58.8	< 0.03	0.0007
	10/8/2017	0.0	0.47	8	180	25.5	3.1	128.0	59.7	0.08	0.0022
GP-8	9/12/2012	0.0	18.50	13	10	274.0	2.5	9.2	4.8	< 0.03	< 0.0005
	9/25/2013	0.0	19.50	12	20	273.0	2.5	8.3	4.2	< 0.03	< 0.0004
	9/15/2014	-4.0	19.00	12	< 10	262.0	2.5	8.3	4.3	< 0.06	< 0.0002
	9/16/2015	-7.7	17.00	13	10	256.0	2.4	9.8	5.0	< 0.03	< 0.0002
	9/21/2016	0.0	18.00	13	20	269.0	2.4	9.3	4.7	< 0.03	0.0003
	10/8/2017	-3.7	22.00	13	20	274.0	2.3	6.7	3.5	0.07	< 0.0002
	9/27/2018	-3.7	23.00	13	20	270.0	2.0	5.8	3.2	< 0.03	< 0.0002
	9/10/2019	0.0	22.00	13	< 20	279.0	2.4	6.9	3.5	< 0.05	< 0.0002
	9/29/2020	-3.7	31.00	13	< 20	274.0	2.0	3.5	1.6	0.08	0.0004
	9/28/2021	-3.7	37.00	11	< 20	296.0	1.9	3.3	1.1	< 0.05	0.0005

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
GP-9	9/12/2012	-0.2	2.21	20	700	139.0	4.7	183.0	75.7	< 0.00	0.0002
	9/25/2013	0.0	3.27	16	640	178.0	4.3	137.0	56.7	< 0.03	< 0.0004
	9/15/2014	-2.3	2.70	18	680	161.0	4.8	162.0	65.3	< 0.06	< 0.0002
	9/16/2015	0.0	2.20	19	720	142.0	4.6	196.0	78.9	< 0.03	< 0.0002
	9/21/2016	-2.4	2.70	19	660	156.0	4.3	156.0	63.9	< 0.03	0.0003
	10/8/2017	-4.5	2.20	20	720	137.0	4.5	179.0	74.0	< 0.03	0.0003
	9/27/2018	-4.8	2.30	19	670	133.0	4.4	161.0	66.8	0.04	0.0002
	9/10/2019	-2.2	2.30	19	720	146.0	4.5	185.0	75.0	< 0.05	0.0004
	9/29/2020	-4.2	2.10	21	760	141.0	4.7	197.0	83.1	< 0.05	< 0.0002
	9/28/2021	-2.1	2.20	18	775	145.0	4.6	196.0	77.1	< 0.05	< 0.0002
J-1	9/12/2012	-0.6	2.17	170	1530	208.0	2.6	283.0	262.0	< 0.03	< 0.0005
	9/25/2013	-4.3	2.33	120	1740	222.0	2.7	284.0	254.0	< 0.03	< 0.0004
	9/15/2014	0.0	2.30	133	1640	221.0	2.7	300.0	267.0	< 0.06	< 0.0002
	9/16/2015	-2.0	2.30	143	1760	227.0	2.8	303.0	274.0	< 0.06	< 0.0004
	9/21/2016	-5.2	3.10	145	1840	287.0	2.5	268.0	242.0	< 0.06	0.0004
	10/8/2017	-2.1	3.80	137	1670	337.0	2.5	245.0	227.0	0.08	< 0.0004
	9/27/2018	1.1	4.10	137	1520	363.0	2.4	235.0	221.0	< 0.06	< 0.0004
	9/9/2019	0.0	4.30	133	1650	377.0	2.5	243.0	223.0	< 0.10	< 0.0004
	9/28/2020	-3.3	4.30	147	1570	362.0	2.9	219.0	206.0	< 0.10	< 0.0004
	9/27/2021	-4.2	3.60	175	1720	321.0	2.4	253.0	231.0	< 0.10	< 0.0004
P-1	9/12/2012	-2.8	1.89	170	1550	184.0	8.6	272.0	281.0	< 0.03	0.0008
	9/25/2013	-1.0	1.85	180	1630	188.0	9.4	300.0	304.0	0.08	0.0007
	9/15/2014	-1.0	2.10	211	1610	218.0	7.9	307.0	308.0	< 0.06	0.0005
	9/16/2015	-2.1	2.00	146	1480	192.0	8.3	278.0	286.0	< 0.06	0.0038
	9/21/2016	-4.5	2.10	221	1960	225.0	6.9	323.0	330.0	< 0.06	0.0019
	10/8/2017	-0.9	2.20	189	1800	233.0	6.3	313.0	323.0	0.10	< 0.0004
	9/26/2018	-2.9	2.40	184	1740	236.0	6.6	291.0	295.0	0.12	0.0015
	9/10/2019	0.0	2.50	165	1760	258.0	6.9	307.0	301.0	< 0.10	0.0004

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	BALNC (%)	SAR (ratio)	Cl (mg/l)	SO4 (mg/l)	Na (mg/l)	K (mg/l)	Ca (mg/l)	Mg (mg/l)	Al (mg/l)	As (mg/l)
P-5	9/15/2014	-2.1	1.40	125	1650	139.0	3.5	393.0	249.0	< 0.06	0.0006
	10/8/2017	0.0	1.40	124	1460	137.0	3.5	359.0	237.0	0.16	0.0007
P-8	9/11/2012	4.0	2.04	118	2050	247.0	8.6	496.0	391.0	< 0.03	< 0.0010
	9/25/2013	-2.6	2.00	98	1980	218.0	7.7	425.0	300.0	0.06	< 0.0004
	9/11/2014	-1.6	2.00	98	2140	231.0	8.4	482.0	344.0	< 0.06	< 0.0002
	9/15/2015	-0.8	2.10	99	1970	235.0	8.2	460.0	320.0	< 0.06	< 0.0004
	9/15/2016	-3.3	2.00	99	2030	224.0	7.8	446.0	313.0	< 0.06	< 0.0004
	9/28/2017	-2.5	2.10	108	1980	234.0	8.2	451.0	320.0	< 0.06	< 0.0004
	9/26/2018	-1.7	2.10	103	1920	232.0	7.9	439.0	309.0	< 0.06	< 0.0004
	9/10/2019	0.0	2.00	81	1700	211.0	6.9	408.0	278.0	< 0.10	0.0005
	9/28/2020	0.0	2.00	89	1780	221.0	7.7	425.0	296.0	< 0.10	0.0005
	9/27/2021	-4.5	2.00	116	1920	208.0	6.6	416.0	279.0	< 0.10	< 0.0004

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
81-03A	9/29/2020	0.030	0.20	< 0.0080	< 0.01	< 0.01	0.30	0.0002	0.22	0.07	< 0.010	< 0.010
	9/28/2021	0.024	0.19	< 0.0080	< 0.02	< 0.01	0.32	< 0.0001	0.20	0.06	< 0.010	< 0.010
COY	9/12/2012	0.014	0.34	< 0.0050	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.016	0.061
	9/25/2013	0.015	0.32	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.06	0.02	0.014	0.030
	9/15/2014	0.016	0.29	< 0.0050	< 0.02	< 0.01	0.20	< 0.0010	0.06	0.00	0.011	0.048
	9/16/2015	0.008	0.26	< 0.0100	< 0.02	< 0.02	0.26	< 0.0002	0.06	0.02	< 0.010	0.020
	9/21/2016	0.007	0.25	< 0.0100	< 0.02	< 0.02	0.23	< 0.0002	< 0.06	< 0.02	< 0.010	< 0.010
	10/8/2017	0.018	0.25	< 0.0100	< 0.02	< 0.02	0.20	0.0006	< 0.06	< 0.02	0.010	0.020
	9/27/2018	0.017	0.27	< 0.0100	< 0.02	< 0.02	0.22	< 0.0002	0.06	0.02	< 0.010	0.020
	9/10/2019	0.020	0.31	< 0.0200	< 0.02	< 0.02	0.20	0.0003	0.09	0.03	0.090	0.220
	9/29/2020	0.023	0.30	< 0.0080	< 0.01	< 0.01	0.20	0.0003	0.09	0.03	0.013	0.119
	9/28/2021	0.018	0.33	< 0.0160	< 0.04	< 0.02	0.23	< 0.0002	0.07	0.02	0.034	0.487
CY-1	9/28/2020	0.060	0.06	< 0.0080	< 0.01	< 0.01	0.20	< 0.0001	0.05	0.02	0.458	0.733
	9/28/2021	0.039	0.07	< 0.0080	< 0.02	< 0.01	< 0.15	< 0.0001	0.04	0.01	0.303	0.312
CY-2	9/29/2020	0.037	0.10	< 0.0080	< 0.01	< 0.01	0.20	0.0035	0.12	0.04	0.086	0.098
	9/28/2021	0.026	0.10	< 0.0080	< 0.02	< 0.01	0.24	< 0.0001	0.10	0.03	0.092	0.098
CY-3	9/29/2020	0.024	0.23	< 0.0080	< 0.01	< 0.01	0.70	< 0.0020	1.27	0.41	< 0.010	0.046
	9/28/2021	0.021	0.22	< 0.0080	< 0.02	< 0.01	0.70	< 0.0001	1.29	0.42	< 0.010	< 0.010
CY-A	9/28/2020	0.028	0.21	< 0.0160	< 0.02	< 0.02	0.30	< 0.0002	0.45	0.14	1.760	1.720
	9/28/2021	0.021	0.21	< 0.0080	< 0.02	< 0.01	0.33	< 0.0002	0.05	0.02	1.960	2.050
GC-1	9/12/2012	0.029	0.26	< 0.0050	< 0.01	< 0.01	0.10	< 0.0001	0.06	0.02	0.190	0.205
	9/25/2013	0.027	0.24	< 0.0050	< 0.01	< 0.01	0.20	0.0001	0.06	0.02	0.101	0.107
	9/15/2014	0.040	0.26	< 0.0050	< 0.02	< 0.01	0.19	< 0.0010	0.03	0.00	0.054	0.063
	9/16/2015	0.035	0.24	< 0.0050	< 0.01	< 0.01	0.19	0.0002	0.03	0.01	0.052	0.145
	9/21/2016	0.034	0.22	< 0.0050	< 0.01	< 0.01	0.22	< 0.0001	< 0.06	< 0.02	0.049	0.067
	10/8/2017	0.045	0.24	< 0.0050	< 0.01	< 0.01	0.19	0.0007	< 0.06	< 0.02	0.064	0.126
	9/27/2018	0.045	0.26	< 0.0050	< 0.01	< 0.01	0.21	0.0004	< 0.06	< 0.02	0.051	0.137

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GC-1	9/10/2019	0.047	0.26	< 0.0080	< 0.01	< 0.01	0.20	0.0002	0.12	0.04	0.120	0.180
	9/29/2020	0.048	0.28	< 0.0080	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.107	0.124
	9/28/2021	0.060	0.27	< 0.0080	0.03	< 0.01	0.21	0.0005	0.04	0.01	0.111	0.151
GC-2	9/12/2012	0.016	0.25	< 0.0050	< 0.01	< 0.01	0.10	< 0.0001	0.06	0.02	0.075	0.076
	9/25/2013	0.016	0.23	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.06	0.02	0.076	0.081
	9/15/2014	0.018	0.24	< 0.0050	< 0.02	< 0.01	0.15	< 0.0010	< 0.03	0.00	0.078	0.083
	9/16/2015	0.013	0.22	< 0.0050	< 0.01	< 0.01	0.19	< 0.0001	0.06	0.02	0.073	0.098
	9/21/2016	0.012	0.21	< 0.0050	< 0.01	< 0.01	0.17	< 0.0001	< 0.06	< 0.02	0.070	0.092
	10/8/2017	0.017	0.22	< 0.0050	< 0.01	0.06	0.14	< 0.0001	< 0.06	< 0.02	0.080	0.087
	9/27/2018	0.019	0.22	< 0.0050	< 0.01	< 0.01	0.16	0.0001	< 0.06	< 0.02	0.076	0.082
	9/10/2019	0.018	0.23	< 0.0080	< 0.01	< 0.01	0.20	< 0.0001	0.12	0.04	0.080	0.090
	9/29/2020	0.024	0.25	< 0.0080	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.081	0.094
	9/28/2021	0.019	0.25	< 0.0080	< 0.02	< 0.01	0.18	< 0.0002	0.03	0.01	0.080	0.091
GC-3	9/12/2012	0.046	0.30	< 0.0050	< 0.01	< 0.01	0.20	< 0.0001	0.09	0.03	< 0.005	< 0.005
	9/25/2013	0.056	0.28	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.09	0.03	< 0.005	0.012
	9/15/2014	0.036	0.31	< 0.0050	< 0.02	< 0.01	0.28	< 0.0010	0.06	0.00	< 0.005	0.008
	9/16/2015	0.033	0.26	< 0.0050	< 0.01	< 0.01	0.29	< 0.0001	0.09	0.03	< 0.005	0.017
	9/21/2016	0.036	0.30	< 0.0050	< 0.01	< 0.01	0.39	< 0.0001	0.16	0.05	< 0.005	0.050
	10/8/2017	0.039	0.31	< 0.0050	< 0.01	0.09	0.33	< 0.0001	0.06	0.02	< 0.005	0.006
	9/27/2018	0.045	0.31	< 0.0050	< 0.01	< 0.01	0.29	< 0.0001	< 0.06	< 0.02	< 0.005	< 0.005
	9/10/2019	0.041	0.32	< 0.0080	< 0.01	< 0.01	0.30	< 0.0001	0.16	0.05	< 0.010	0.020
	9/29/2020	0.053	0.48	< 0.0080	< 0.01	< 0.01	0.30	< 0.0001	0.09	0.03	< 0.010	0.018
	9/28/2021	0.054	0.54	< 0.0080	< 0.02	< 0.01	0.26	< 0.0001	0.05	0.02	< 0.010	0.076
GD-2	6/4/2012	0.056	0.16	---	< 0.01	---	---	---	---	---	0.124	---
	9/11/2012	0.061	0.18	< 0.0500	< 0.01	< 0.01	0.30	< 0.0001	0.06	0.02	0.130	0.133
	6/4/2013	0.054	0.16	---	< 0.01	---	---	---	---	---	0.129	---
	9/24/2013	0.065	0.21	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.09	0.03	0.107	0.110
	6/10/2014	0.050	0.15	---	0.00	---	---	---	---	---	0.124	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GD-2	9/11/2014	0.051	0.16	< 0.0050	< 0.02	< 0.01	0.31	< 0.0001	0.06	0.00	0.144	0.154
	6/8/2015	0.050	0.20	---	< 0.01	---	---	---	---	---	0.115	---
	9/15/2015	0.060	0.20	< 0.0050	< 0.01	< 0.01	0.21	< 0.0001	0.09	0.03	0.118	0.113
	6/7/2016	0.048	0.17	---	0.00	---	---	---	---	---	0.148	---
	9/15/2016	0.055	0.17	< 0.0050	< 0.01	< 0.01	0.35	0.0003	0.06	0.02	0.143	0.141
	6/14/2017	0.042	0.16	---	< 0.01	---	---	---	---	---	0.141	---
	9/28/2017	0.046	0.17	< 0.0050	< 0.01	< 0.01	0.26	< 0.0001	< 0.06	< 0.02	0.140	0.143
	6/11/2018	0.044	0.16	---	< 0.01	---	---	---	---	---	0.154	---
	9/26/2018	0.045	0.15	< 0.0050	< 0.01	< 0.01	0.27	< 0.0001	< 0.06	< 0.02	0.143	0.141
	6/4/2019	0.044	0.16	---	< 0.01	---	---	---	---	---	0.150	---
	9/9/2019	0.047	0.18	< 0.0080	< 0.01	< 0.01	0.40	0.0005	0.19	0.06	0.150	0.150
	6/18/2020	0.044	0.18	---	< 0.01	---	---	---	---	---	0.160	---
	9/28/2020	0.049	0.19	< 0.0080	< 0.01	< 0.01	0.30	0.0003	0.08	0.03	0.146	0.157
	6/23/2021	0.039	0.18	---	< 0.02	---	---	---	---	---	0.156	---
	9/27/2021	0.049	0.18	< 0.0080	< 0.02	< 0.01	0.29	< 0.0001	0.04	0.01	0.146	0.152
GD-3	6/4/2012	0.043	0.17	---	< 0.01	---	---	---	---	---	0.251	---
	9/11/2012	0.046	0.19	< 0.0500	< 0.01	< 0.01	0.30	0.0001	0.06	0.02	0.271	0.272
	6/4/2013	0.048	0.16	---	< 0.01	---	---	---	---	---	0.245	---
	9/24/2013	0.046	0.18	< 0.0050	< 0.01	< 0.01	0.30	< 0.0002	0.09	0.03	0.251	0.261
	6/10/2014	0.036	0.16	---	0.00	---	---	---	---	---	0.225	---
	9/11/2014	0.044	0.18	< 0.0050	< 0.02	< 0.01	0.27	< 0.0001	0.06	0.00	0.254	0.264
	6/8/2015	0.045	0.17	---	< 0.01	---	---	---	---	---	0.243	---
	9/15/2015	0.042	0.18	< 0.0050	< 0.01	< 0.01	0.24	< 0.0001	0.16	0.05	0.253	0.237
	6/7/2016	0.041	0.17	---	0.00	---	---	---	---	---	0.246	---
	9/15/2016	0.034	0.17	< 0.0050	< 0.01	< 0.01	0.25	< 0.0001	0.06	0.02	0.243	0.258
	6/14/2017	0.037	0.17	---	< 0.01	---	---	---	---	---	0.243	---
	9/28/2017	0.045	0.17	< 0.0050	< 0.01	< 0.01	0.24	< 0.0001	0.06	0.02	0.257	0.257
	6/11/2018	0.047	0.17	---	< 0.01	---	---	---	---	---	0.258	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GD-3	9/26/2018	0.043	0.16	< 0.0050	< 0.01	< 0.01	0.23	< 0.0001	< 0.06	< 0.02	0.258	0.256
	6/4/2019	0.039	0.18	---	< 0.01	---	---	---	---	---	0.250	---
	9/9/2019	0.045	0.18	< 0.0080	< 0.01	< 0.01	0.30	0.0003	0.19	0.06	0.270	0.290
	6/18/2020	0.037	0.18	---	< 0.01	---	---	---	---	---	0.280	---
	9/28/2020	0.046	0.17	< 0.0080	< 0.01	< 0.01	0.30	< 0.0001	0.09	0.03	0.295	0.284
	6/23/2021	0.042	0.19	---	< 0.02	---	---	---	---	---	0.267	---
	9/27/2021	0.035	0.18	< 0.0080	< 0.02	< 0.01	0.31	0.0005	0.04	0.01	0.282	0.285
GF-4	6/4/2012	0.082	0.19	---	< 0.01	---	---	---	---	---	< 0.005	---
	9/11/2012	0.067	0.21	< 0.0500	< 0.01	< 0.01	0.30	< 0.0001	0.47	0.15	< 0.005	< 0.005
	6/4/2013	0.074	0.20	---	< 0.01	---	---	---	---	---	< 0.005	---
	9/24/2013	0.080	0.21	< 0.0050	< 0.01	< 0.01	0.30	< 0.0002	0.43	0.14	< 0.005	< 0.010
	6/10/2014	0.069	0.18	---	0.00	---	---	---	---	---	< 0.005	---
	9/11/2014	0.081	0.20	< 0.0050	< 0.02	< 0.01	0.28	0.0002	0.43	0.00	< 0.005	< 0.005
	6/8/2015	0.077	0.20	---	< 0.01	---	---	---	---	---	< 0.005	---
	9/15/2015	0.075	0.20	< 0.0050	< 0.01	< 0.01	0.24	< 0.0001	0.43	0.14	< 0.005	< 0.005
	6/7/2016	0.075	0.21	---	0.00	---	---	---	---	---	< 0.005	---
	9/15/2016	0.066	0.20	< 0.0050	< 0.01	< 0.01	0.28	0.0001	0.40	0.13	< 0.005	< 0.005
	6/14/2017	0.067	0.20	---	< 0.01	---	---	---	---	---	< 0.005	---
	9/28/2017	0.070	0.20	< 0.0050	< 0.01	< 0.01	0.30	< 0.0001	0.43	0.14	< 0.005	< 0.005
	6/11/2018	0.069	0.20	---	< 0.01	---	---	---	---	---	< 0.005	---
	9/26/2018	0.069	0.19	< 0.0050	< 0.01	< 0.01	0.28	< 0.0001	0.43	0.14	< 0.005	< 0.005
	6/4/2019	0.069	0.22	---	< 0.01	---	---	---	---	---	< 0.010	---
	9/9/2019	0.068	0.22	< 0.0080	< 0.01	< 0.01	0.40	0.0003	0.53	0.17	< 0.010	< 0.010
	6/18/2020	0.069	0.22	---	< 0.01	---	---	---	---	---	< 0.010	---
	9/28/2020	0.066	0.21	< 0.0080	< 0.01	< 0.01	0.40	< 0.0001	0.44	0.14	< 0.010	< 0.050
	6/23/2021	0.076	0.22	---	< 0.02	---	---	---	---	---	< 0.010	---
	9/27/2021	0.063	0.20	< 0.0080	< 0.02	< 0.01	0.32	0.0007	0.47	0.15	< 0.010	< 0.010
GF-5	6/4/2012	0.098	0.38	---	< 0.01	---	---	---	---	---	0.034	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GF-5	9/11/2012	0.100	0.42	0.0080	< 0.01	< 0.01	0.50	0.0001	0.34	0.11	0.096	0.042
	6/4/2013	0.089	0.37	---	< 0.01	---	---	---	---	---	0.027	---
	9/24/2013	0.094	0.40	< 0.0050	< 0.01	< 0.01	0.50	0.0002	0.62	0.20	0.035	0.043
	6/10/2014	0.091	0.34	---	0.00	---	---	---	---	---	0.028	---
	9/11/2014	0.092	0.37	< 0.0050	< 0.02	< 0.01	0.52	0.0011	0.28	0.00	0.036	0.041
	6/8/2015	0.088	0.37	---	< 0.01	---	---	---	---	---	0.038	---
	9/15/2015	0.100	0.38	< 0.0050	< 0.01	< 0.01	0.50	< 0.0001	5.20	1.69	0.037	0.037
	6/7/2016	0.098	0.37	---	0.00	---	---	---	---	---	0.041	---
	9/15/2016	0.104	0.36	< 0.0050	< 0.01	< 0.01	0.53	0.0003	1.05	0.34	0.026	0.032
	6/14/2017	0.084	0.36	---	< 0.01	---	---	---	---	---	0.030	---
	9/28/2017	0.083	0.37	< 0.0050	< 0.01	< 0.01	0.58	0.0004	2.11	0.68	0.033	0.034
	6/11/2018	0.087	0.37	---	< 0.01	---	---	---	---	---	0.035	---
	9/26/2018	0.087	0.36	< 0.0050	< 0.01	< 0.01	0.55	0.0002	2.51	0.81	0.036	0.031
	6/4/2019	0.089	0.39	---	< 0.01	---	---	---	---	---	0.040	---
	9/9/2019	0.085	0.40	< 0.0080	< 0.01	< 0.01	0.70	0.0006	2.20	0.71	0.040	0.040
	6/18/2020	0.085	0.38	---	< 0.01	---	---	---	---	---	0.040	---
	9/28/2020	0.082	0.37	< 0.0080	< 0.01	< 0.01	0.70	< 0.0001	3.66	1.18	0.039	0.042
	6/23/2021	0.075	0.38	---	< 0.02	---	---	---	---	---	0.037	---
	9/27/2021	0.081	0.37	< 0.0080	< 0.02	< 0.01	0.68	< 0.0002	3.13	1.01	0.033	0.038
GF-6	6/4/2012	0.056	0.16	---	< 0.01	---	---	---	---	---	0.042	---
	9/11/2012	0.058	0.18	< 0.0500	< 0.01	< 0.01	0.30	< 0.0001	0.06	0.02	0.048	0.070
	6/4/2013	0.053	0.16	---	< 0.01	---	---	---	---	---	0.042	---
	9/24/2013	0.056	0.17	< 0.0050	< 0.01	< 0.01	0.30	< 0.0002	0.06	0.02	0.047	0.050
	6/10/2014	0.046	0.15	---	0.00	---	---	---	---	---	0.038	---
	9/11/2014	0.055	0.17	< 0.0050	< 0.02	< 0.01	0.26	< 0.0001	0.03	0.00	0.050	0.054
	6/8/2015	0.051	0.16	---	< 0.01	---	---	---	---	---	0.044	---
	9/15/2015	0.052	0.16	< 0.0050	< 0.01	< 0.01	0.22	< 0.0001	0.06	0.02	0.043	0.043
	6/7/2016	0.061	0.17	---	0.00	---	---	---	---	---	0.049	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GF-6	9/15/2016	0.046	0.16	< 0.0050	< 0.01	< 0.01	0.25	< 0.0001	< 0.06	< 0.02	0.035	0.043
	6/14/2017	0.048	0.16	---	< 0.01	---	---	---	---	---	0.039	---
	9/28/2017	0.049	0.16	< 0.0050	< 0.01	< 0.01	0.25	< 0.0001	< 0.06	< 0.02	0.044	0.043
	6/11/2018	0.050	0.15	---	< 0.01	---	---	---	---	---	0.046	---
	9/26/2018	0.048	0.15	< 0.0050	< 0.01	< 0.01	0.24	< 0.0001	< 0.06	< 0.02	0.045	0.039
	6/4/2019	0.051	0.16	---	< 0.01	---	---	---	---	---	0.050	---
	9/9/2019	0.050	0.18	< 0.0080	< 0.01	< 0.01	0.30	0.0005	0.16	0.05	0.050	0.050
	6/18/2020	0.050	0.17	---	< 0.01	---	---	---	---	---	0.050	---
	9/28/2020	0.053	0.17	< 0.0080	< 0.01	< 0.01	0.30	< 0.0001	0.06	0.02	0.057	0.057
	6/23/2021	0.044	0.17	---	< 0.02	---	---	---	---	---	0.055	---
	9/27/2021	0.046	0.17	< 0.0080	< 0.02	< 0.01	0.27	< 0.0001	0.03	0.01	0.055	0.061
GF-7	6/4/2012	0.009	0.30	---	< 0.01	---	---	---	---	---	0.700	---
	9/11/2012	0.014	0.34	< 0.0500	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.755	0.780
	6/4/2013	0.013	0.27	---	< 0.01	---	---	---	---	---	0.580	---
	9/24/2013	0.019	0.31	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.03	0.01	0.700	0.690
	6/10/2014	0.010	0.27	---	0.00	---	---	---	---	---	0.690	---
	9/11/2014	0.019	0.31	< 0.0050	< 0.02	< 0.01	0.21	< 0.0001	< 0.03	0.00	0.780	0.780
	6/8/2015	0.013	0.31	---	< 0.01	---	---	---	---	---	0.760	---
	9/15/2015	0.013	0.32	< 0.0100	< 0.02	< 0.02	0.16	< 0.0002	0.03	0.01	0.780	0.770
	6/7/2016	0.019	0.33	---	0.00	---	---	---	---	---	0.750	---
	9/15/2016	0.010	0.30	< 0.0100	< 0.02	< 0.02	0.19	< 0.0002	< 0.06	< 0.02	0.750	0.790
	6/14/2017	0.011	0.30	---	< 0.02	---	---	---	---	---	0.750	---
	9/28/2017	0.014	0.30	< 0.0100	< 0.02	< 0.02	0.19	< 0.0002	0.06	0.02	0.740	0.770
	6/11/2018	0.017	0.27	---	< 0.02	---	---	---	---	---	0.770	---
	9/26/2018	0.017	0.23	< 0.0100	< 0.02	< 0.02	0.28	< 0.0002	0.81	0.26	0.480	0.470
	6/4/2019	0.030	0.23	---	< 0.02	---	---	---	---	---	0.410	---
	9/9/2019	0.020	0.33	< 0.0200	< 0.02	< 0.02	0.20	0.0015	0.09	0.03	0.790	0.810
	6/18/2020	0.020	0.28	---	< 0.02	---	---	---	---	---	0.820	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GF-7	9/28/2020	0.019	0.25	< 0.0160	< 0.02	< 0.02	0.30	< 0.0002	0.08	0.03	0.789	0.792
	6/23/2021	0.016	0.32	---	< 0.02	---	---	---	---	---	0.779	---
	9/27/2021	< 0.014	0.28	< 0.0160	< 0.04	< 0.02	0.23	< 0.0002	0.03	0.01	0.754	0.910
GF-11	6/4/2012	0.035	0.12	---	< 0.01	---	---	---	---	---	0.227	---
	9/11/2012	0.040	0.15	< 0.0500	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.244	0.251
	9/24/2013	0.043	0.13	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.09	0.03	0.223	0.228
	6/10/2014	0.045	0.12	---	0.00	---	---	---	---	---	0.217	---
	9/11/2014	0.039	0.13	< 0.0050	< 0.02	< 0.01	0.17	< 0.0001	0.06	0.00	0.247	0.262
	6/8/2015	0.035	0.13	---	< 0.01	---	---	---	---	---	0.236	---
	9/15/2015	0.035	0.13	< 0.0050	< 0.01	< 0.01	0.14	< 0.0001	0.09	0.03	0.236	0.241
	6/7/2016	0.040	0.13	---	0.00	---	---	---	---	---	0.247	---
	9/15/2016	0.036	0.13	< 0.0050	< 0.01	< 0.01	0.18	< 0.0001	< 0.06	< 0.02	0.238	0.254
	6/14/2017	0.033	0.13	---	< 0.01	---	---	---	---	---	0.229	---
	9/28/2017	0.035	0.13	< 0.0050	< 0.01	< 0.01	0.18	< 0.0001	< 0.06	< 0.02	0.240	0.244
	6/11/2018	0.036	0.12	---	< 0.01	---	---	---	---	---	0.252	---
	9/26/2018	0.034	0.11	< 0.0050	< 0.01	< 0.01	0.18	< 0.0001	0.06	0.02	0.228	0.240
	6/4/2019	0.036	0.13	---	< 0.01	---	---	---	---	---	0.250	---
	9/9/2019	0.036	0.14	< 0.0080	< 0.01	< 0.01	0.20	0.0003	0.16	0.05	0.260	0.260
	6/18/2020	0.034	0.14	---	< 0.01	---	---	---	---	---	0.270	---
	9/28/2020	0.036	0.13	< 0.0080	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.265	0.270
	6/23/2021	0.036	0.14	---	< 0.02	---	---	---	---	---	0.237	---
	9/27/2021	0.034	0.13	< 0.0080	< 0.02	< 0.01	0.21	< 0.0001	0.05	0.02	0.234	0.247
GLEV-1	9/16/2015	0.049	0.23	< 0.0050	< 0.01	< 0.01	1.57	< 0.0001	0.50	0.16	< 0.005	0.005
	9/21/2016	0.024	0.21	< 0.0050	< 0.01	< 0.01	1.43	< 0.0001	0.43	0.14	< 0.005	< 0.005
	10/8/2017	0.023	0.21	< 0.0050	< 0.01	< 0.01	1.38	< 0.0001	0.40	0.13	< 0.005	< 0.005
	9/27/2018	0.025	0.21	< 0.0050	< 0.01	< 0.01	1.52	0.0001	0.43	0.14	< 0.005	< 0.005
	9/10/2019	0.030	0.23	< 0.0080	< 0.01	< 0.01	1.60	0.0001	0.47	0.15	< 0.010	< 0.010
	9/29/2020	0.034	0.23	< 0.0080	< 0.01	< 0.01	1.70	< 0.0001	0.37	0.12	< 0.010	< 0.010

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GLEV-1	9/28/2021	0.030	0.22	< 0.0080	< 0.02	< 0.01	1.71	< 0.0001	0.36	0.12	< 0.010	< 0.010
GLEV-3	9/16/2015	0.014	0.31	< 0.0100	< 0.02	< 0.02	0.34	< 0.0002	0.09	0.03	< 0.010	0.050
	9/21/2016	0.018	0.30	< 0.0100	< 0.02	< 0.02	0.34	< 0.0002	0.06	0.02	< 0.010	< 0.010
	10/8/2017	0.019	0.29	< 0.0050	< 0.01	< 0.01	0.30	< 0.0002	< 0.06	< 0.02	0.008	0.030
	9/27/2018	0.024	0.28	< 0.0100	< 0.02	< 0.02	0.32	< 0.0002	< 0.06	< 0.02	0.010	0.020
	9/10/2019	0.020	0.33	< 0.0200	< 0.02	< 0.02	0.30	< 0.0002	0.16	0.05	< 0.020	< 0.020
	9/29/2020	0.039	0.36	< 0.0160	0.02	< 0.02	0.40	< 0.0002	0.09	0.03	< 0.020	0.062
	9/28/2021	0.021	0.33	< 0.0160	< 0.04	< 0.02	0.37	< 0.0002	0.07	0.02	0.028	0.036
GMP-1	6/4/2012	0.019	0.34	---	< 0.01	---	---	---	---	---	0.148	---
	9/11/2012	0.023	0.37	< 0.0500	< 0.01	< 0.01	0.30	0.0004	0.06	0.02	0.170	0.179
	6/4/2013	0.029	0.33	---	< 0.01	---	---	---	---	---	0.150	---
	9/24/2013	0.024	0.36	< 0.0050	< 0.01	< 0.01	0.30	< 0.0002	0.06	0.02	0.166	0.160
	6/10/2014	0.015	0.31	---	0.00	---	---	---	---	---	0.150	---
	9/11/2014	0.025	0.35	< 0.0050	< 0.02	< 0.01	0.29	< 0.0001	0.03	0.00	0.177	0.194
	6/8/2015	0.019	0.35	---	< 0.02	---	---	---	---	---	0.170	---
	9/15/2015	0.019	0.34	< 0.0100	< 0.02	< 0.02	0.23	< 0.0002	0.06	0.02	0.170	0.170
	6/7/2016	0.031	0.36	---	0.00	---	---	---	---	---	0.190	---
	9/15/2016	0.018	0.31	< 0.0100	< 0.02	< 0.02	0.30	< 0.0002	< 0.06	< 0.02	0.160	0.180
	6/14/2017	0.020	0.32	---	< 0.02	---	---	---	---	---	0.160	---
	9/28/2017	0.020	0.34	< 0.0100	< 0.02	< 0.02	0.24	< 0.0002	< 0.06	< 0.02	0.180	0.180
	6/11/2018	0.022	0.31	---	< 0.02	---	---	---	---	---	0.180	---
	9/26/2018	0.019	0.30	< 0.0100	< 0.02	< 0.02	0.25	< 0.0002	< 0.06	< 0.02	0.170	0.180
	6/4/2019	0.030	0.34	---	< 0.02	---	---	---	---	---	0.170	---
	9/9/2019	0.040	0.33	< 0.0200	< 0.02	< 0.02	0.50	0.0017	0.12	0.04	0.150	0.300
	6/18/2020	0.020	0.37	---	< 0.02	---	---	---	---	---	0.130	---
	9/28/2020	0.026	0.33	< 0.0160	< 0.02	< 0.02	0.30	0.0010	0.04	0.01	0.248	0.258
	6/23/2021	0.026	0.36	---	< 0.02	---	---	---	---	---	0.178	---
	9/27/2021	0.015	0.30	< 0.0160	< 0.04	< 0.02	0.34	0.0018	0.04	0.01	0.125	0.174

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GP-2	9/12/2012	0.040	0.21	< 0.0050	< 0.01	< 0.01	0.50	< 0.0001	0.06	0.02	0.024	0.031
	9/25/2013	0.041	0.20	< 0.0050	< 0.01	< 0.01	0.60	< 0.0002	0.06	0.02	0.024	0.026
	9/15/2014	0.043	0.21	< 0.0050	< 0.02	< 0.01	0.50	< 0.0010	0.03	0.00	0.024	0.025
	9/16/2015	0.037	0.18	< 0.0050	< 0.01	< 0.01	0.48	< 0.0001	0.06	0.02	0.019	0.023
	9/21/2016	0.042	0.19	< 0.0050	< 0.01	< 0.01	0.54	< 0.0001	< 0.06	< 0.02	0.019	0.025
	10/8/2017	0.043	0.19	< 0.0050	< 0.01	< 0.01	0.52	< 0.0001	< 0.06	< 0.02	0.024	0.024
	9/27/2018	0.042	0.18	< 0.0050	< 0.01	< 0.01	0.47	0.0001	< 0.06	< 0.02	0.021	0.021
	9/10/2019	0.038	0.19	< 0.0080	< 0.01	< 0.01	0.50	< 0.0001	0.12	0.04	0.030	0.020
	9/29/2020	0.049	0.23	< 0.0080	< 0.01	< 0.01	0.70	0.0002	0.06	0.02	0.018	0.026
	9/28/2021	0.044	0.20	< 0.0080	< 0.02	< 0.01	0.55	< 0.0001	0.04	0.01	0.026	0.027
GP-3	9/12/2012	0.022	0.21	< 0.0050	< 0.01	< 0.01	0.10	< 0.0001	0.06	0.02	0.019	0.024
	9/25/2013	0.021	0.20	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.06	0.02	0.019	0.021
	9/15/2014	0.024	0.18	< 0.0050	< 0.02	< 0.01	0.15	< 0.0010	< 0.03	0.00	0.015	0.019
	9/16/2015	0.020	0.19	< 0.0050	< 0.01	< 0.01	0.17	< 0.0001	0.03	0.01	0.014	0.017
	9/21/2016	0.023	0.20	< 0.0050	< 0.01	< 0.01	0.16	< 0.0001	< 0.06	< 0.02	0.009	0.015
	10/8/2017	0.021	0.19	< 0.0050	< 0.01	< 0.01	0.13	< 0.0001	< 0.06	< 0.02	0.025	0.020
	9/26/2018	0.023	0.26	< 0.0050	< 0.01	< 0.01	0.13	< 0.0001	< 0.06	< 0.02	0.006	< 0.005
	9/10/2019	0.027	0.29	< 0.0080	< 0.01	< 0.01	0.10	< 0.0001	0.16	0.05	< 0.010	0.010
	9/28/2020	0.026	0.28	< 0.0080	< 0.01	< 0.01	0.20	0.0006	0.04	0.01	< 0.010	< 0.010
	9/27/2021	0.025	0.29	< 0.0080	< 0.02	< 0.01	0.16	< 0.0001	0.04	0.01	< 0.010	< 0.010
GP-4	9/12/2012	0.072	0.23	< 0.0050	< 0.01	< 0.01	2.60	< 0.0001	0.56	0.18	< 0.005	0.019
	9/25/2013	0.090	0.19	< 0.0050	< 0.01	< 0.01	2.30	0.0008	0.37	0.12	< 0.005	0.140
	9/15/2014	0.090	0.19	< 0.0050	< 0.02	< 0.01	2.55	< 0.0010	0.50	0.00	< 0.005	0.083
	9/16/2015	0.053	0.23	< 0.0050	< 0.01	< 0.01	2.87	< 0.0001	0.74	0.24	< 0.005	< 0.005
	9/21/2016	0.067	0.19	< 0.0050	< 0.01	< 0.01	2.40	< 0.0001	0.62	0.20	< 0.005	0.015
	10/8/2017	0.051	0.22	< 0.0050	< 0.01	< 0.01	2.83	< 0.0001	0.68	0.22	< 0.005	< 0.005
	9/26/2018	0.058	0.21	< 0.0050	< 0.01	< 0.01	2.52	< 0.0001	0.62	0.20	< 0.005	< 0.005
	9/10/2019	0.057	0.25	< 0.0080	< 0.01	< 0.01	3.20	< 0.0001	0.78	0.25	< 0.010	< 0.010

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GP-4	9/28/2020	0.061	0.24	< 0.0080	< 0.01	< 0.01	3.30	< 0.0001	0.73	0.23	< 0.010	0.014
	9/27/2021	0.057	0.24	< 0.0080	< 0.02	< 0.01	3.35	< 0.0001	0.68	0.22	< 0.010	< 0.010
GP-5	9/11/2012	0.037	0.24	< 0.0500	< 0.01	< 0.01	0.70	< 0.0001	0.59	0.19	< 0.005	< 0.005
	9/24/2013	0.035	0.23	< 0.0050	< 0.01	< 0.01	0.70	< 0.0002	0.59	0.19	< 0.005	< 0.010
	9/11/2014	0.035	0.22	< 0.0050	< 0.02	< 0.01	0.67	< 0.0001	0.59	0.00	< 0.005	< 0.005
	9/15/2015	0.035	0.22	< 0.0050	< 0.01	< 0.01	0.67	< 0.0001	0.59	0.19	< 0.005	< 0.005
	9/15/2016	0.036	0.21	< 0.0050	< 0.01	< 0.01	0.68	< 0.0001	0.56	0.18	< 0.005	< 0.005
	9/28/2017	0.031	0.22	< 0.0050	< 0.01	< 0.01	0.69	< 0.0001	0.56	0.18	< 0.005	< 0.005
	9/26/2018	0.030	0.21	< 0.0050	< 0.01	< 0.01	0.76	< 0.0001	0.59	0.19	< 0.005	< 0.005
	9/9/2019	0.042	0.24	< 0.0080	< 0.01	< 0.01	0.70	0.0006	0.59	0.19	< 0.010	0.020
	9/28/2020	0.029	0.22	< 0.0080	< 0.01	< 0.01	0.80	< 0.0001	0.56	0.18	< 0.010	0.025
	9/27/2021	0.015	0.24	< 0.0160	< 0.04	< 0.02	0.38	< 0.0002	0.07	0.02	0.336	0.378
GP-7	9/12/2012	0.034	0.12	< 0.0050	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.006	0.049
	9/25/2013	0.038	0.11	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.09	0.03	0.022	0.167
	9/15/2014	0.053	0.12	< 0.0050	< 0.02	< 0.01	0.18	< 0.0010	0.06	0.00	0.174	1.160
	9/16/2015	0.039	0.11	< 0.0050	< 0.01	< 0.01	0.20	0.0002	0.06	0.02	0.007	0.155
	9/21/2016	0.045	0.10	< 0.0050	< 0.01	< 0.01	0.20	0.0002	0.06	0.02	0.018	0.341
	10/8/2017	0.071	0.12	< 0.0050	< 0.01	< 0.01	0.17	0.0003	< 0.06	< 0.02	0.265	1.040
GP-8	9/12/2012	0.383	0.26	< 0.0050	< 0.01	< 0.01	0.70	0.0001	0.19	0.06	< 0.005	0.007
	9/25/2013	0.409	0.25	< 0.0050	< 0.01	< 0.01	0.80	0.0001	0.25	0.08	< 0.005	< 0.010
	9/15/2014	0.386	0.24	< 0.0050	< 0.02	< 0.01	0.75	< 0.0010	0.25	0.00	< 0.005	< 0.005
	9/16/2015	0.451	0.23	< 0.0050	< 0.01	< 0.01	0.77	< 0.0001	0.22	0.07	< 0.005	0.006
	9/21/2016	0.459	0.23	< 0.0050	< 0.01	< 0.01	0.77	< 0.0001	0.22	0.07	< 0.005	0.006
	10/8/2017	0.391	0.24	< 0.0050	< 0.01	< 0.01	0.85	0.0008	0.22	0.07	0.013	0.006
	9/27/2018	0.308	0.23	< 0.0050	< 0.01	< 0.01	0.79	0.0002	0.22	0.07	< 0.005	< 0.005
	9/10/2019	0.428	0.25	< 0.0080	< 0.01	< 0.01	0.80	0.0010	0.31	0.10	< 0.010	< 0.010
	9/29/2020	0.135	0.26	< 0.0080	< 0.01	< 0.01	0.90	0.0009	0.25	0.08	< 0.010	0.031
	9/28/2021	0.098	0.26	< 0.0080	< 0.02	< 0.01	0.82	0.0001	0.13	0.04	< 0.010	0.073

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
GP-9	9/12/2012	0.042	0.12	< 0.0050	< 0.01	< 0.01	< 0.10	< 0.0001	0.06	0.02	0.070	0.068
	9/25/2013	0.030	0.12	< 0.0050	< 0.01	< 0.01	< 0.10	< 0.0002	0.06	0.02	0.075	0.077
	9/15/2014	0.036	0.12	< 0.0050	< 0.02	< 0.01	0.08	< 0.0010	< 0.03	0.00	0.073	0.074
	9/16/2015	0.029	0.11	< 0.0050	< 0.01	< 0.01	0.09	< 0.0001	0.03	0.01	0.058	0.068
	9/21/2016	0.034	0.10	< 0.0050	< 0.01	< 0.01	0.09	0.0003	< 0.06	< 0.02	0.032	0.051
	10/8/2017	0.033	0.10	< 0.0050	< 0.01	< 0.01	0.07	< 0.0001	< 0.06	< 0.02	0.065	0.067
	9/27/2018	0.034	0.10	< 0.0050	< 0.01	< 0.01	0.10	0.0002	< 0.06	< 0.02	0.035	0.055
	9/10/2019	0.033	0.11	< 0.0080	< 0.01	< 0.01	0.20	0.0005	0.12	0.04	0.070	0.080
	9/29/2020	0.036	0.14	< 0.0080	< 0.01	< 0.01	< 0.10	< 0.0001	0.03	0.01	0.066	0.072
	9/28/2021	0.030	0.13	< 0.0080	< 0.02	< 0.01	< 0.15	< 0.0001	0.05	0.02	0.067	0.068
J-1	9/12/2012	0.020	0.45	< 0.0050	< 0.01	< 0.01	0.40	< 0.0001	0.06	0.02	0.020	0.050
	9/25/2013	0.022	0.47	< 0.0050	< 0.01	< 0.01	0.40	< 0.0002	0.06	0.02	0.030	0.040
	9/15/2014	0.026	0.47	< 0.0050	< 0.02	< 0.01	0.39	< 0.0010	0.03	0.00	0.020	0.040
	9/16/2015	0.013	0.51	< 0.0100	< 0.02	< 0.02	0.42	< 0.0002	0.06	0.02	< 0.010	0.030
	9/21/2016	0.012	0.53	< 0.0100	< 0.02	< 0.02	0.43	< 0.0002	< 0.06	< 0.02	0.020	0.050
	10/8/2017	0.018	0.77	< 0.0100	< 0.02	< 0.02	0.41	0.0003	< 0.06	< 0.02	0.040	0.040
	9/27/2018	0.028	1.02	< 0.0100	< 0.02	< 0.02	0.46	0.0003	< 0.06	< 0.02	0.020	0.060
	9/9/2019	0.020	1.23	< 0.0200	< 0.02	< 0.02	0.50	0.0012	0.09	0.03	0.030	0.050
	9/28/2020	0.025	1.44	< 0.0160	< 0.02	< 0.02	0.50	< 0.0002	0.07	0.02	0.037	0.067
	9/27/2021	0.020	1.33	< 0.0160	< 0.04	< 0.02	0.53	< 0.0002	0.05	0.02	0.029	0.083
P-1	9/12/2012	0.032	0.37	< 0.0050	< 0.01	< 0.01	0.20	< 0.0001	0.06	0.02	0.090	0.420
	9/25/2013	0.053	0.37	< 0.0050	< 0.01	< 0.01	0.30	0.0002	0.03	0.01	0.140	0.550
	9/15/2014	0.034	0.33	< 0.0050	< 0.02	< 0.01	0.25	< 0.0010	0.03	0.00	0.050	0.220
	9/16/2015	0.170	0.38	< 0.0100	< 0.02	< 0.02	0.27	< 0.0002	1.64	0.53	0.370	15.100
	9/21/2016	0.073	0.31	< 0.0100	< 0.02	< 0.02	0.28	0.0002	0.09	0.03	0.110	1.810
	10/8/2017	0.025	0.34	< 0.0100	< 0.02	< 0.02	0.26	0.0002	< 0.06	< 0.02	0.060	0.140
	9/26/2018	0.049	0.35	< 0.0100	< 0.02	< 0.02	0.27	0.0005	0.19	0.06	0.060	0.570
	9/10/2019	0.050	0.36	< 0.0200	< 0.02	< 0.02	0.30	0.0003	0.22	0.07	0.060	0.340

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	F (mg/l)	Pb (mg/l)	PO4 (mg/l)	P (mg/l)	Mn (mg/l)	Mn(t) (mg/l)
P-5	9/15/2014	0.036	0.11	< 0.0050	< 0.02	< 0.01	0.20	< 0.0010	0.19	0.00	0.080	0.410
	10/8/2017	0.054	0.11	< 0.0100	< 0.02	< 0.02	0.18	0.0004	0.09	0.03	0.370	0.860
P-8	9/11/2012	0.037	0.45	< 0.0500	< 0.01	< 0.01	0.20	< 0.0001	0.16	0.05	0.111	0.130
	9/25/2013	0.034	0.37	< 0.0050	< 0.01	< 0.01	0.20	< 0.0002	0.19	0.06	0.130	0.140
	9/11/2014	0.040	0.39	< 0.0050	< 0.02	< 0.01	0.15	< 0.0001	0.16	0.00	0.180	0.220
	9/15/2015	0.033	0.39	< 0.0100	< 0.02	< 0.02	0.13	< 0.0002	0.19	0.06	0.170	0.170
	9/15/2016	0.027	0.39	< 0.0100	< 0.02	< 0.02	0.15	< 0.0002	0.09	0.03	0.200	0.230
	9/28/2017	0.033	0.42	< 0.0100	< 0.02	< 0.02	0.14	< 0.0002	0.12	0.04	0.270	0.280
	9/26/2018	0.031	0.37	< 0.0100	< 0.02	< 0.02	0.15	< 0.0002	0.09	0.03	0.300	0.320
	9/10/2019	0.040	0.34	< 0.0200	< 0.02	< 0.02	0.20	0.0004	0.22	0.07	0.300	0.310
	9/28/2020	0.045	0.38	< 0.0160	< 0.02	< 0.02	0.20	0.0002	0.13	0.04	0.388	0.441
	9/27/2021	0.028	0.31	< 0.0160	< 0.04	< 0.02	0.23	< 0.0002	0.10	0.03	0.379	0.481

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
81-03A	9/29/2020	< 0.02	< 0.01	1.21	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	1.08	< 0.02	< 0.002	---
COY	9/12/2012	< 0.01	< 0.01	< 0.05	1.53	0.003	---
	9/25/2013	< 0.02	< 0.01	< 0.05	1.56	0.004	---
	9/15/2014	< 0.02	< 0.01	< 0.05	1.26	0.005	---
	9/16/2015	< 0.04	< 0.02	< 0.05	5.30	0.005	---
	9/21/2016	< 0.04	< 0.02	< 0.05	2.30	0.006	---
	10/8/2017	< 0.04	< 0.02	< 0.05	1.38	0.004	---
	9/27/2018	< 0.04	< 0.02	< 0.05	1.19	0.005	---
	9/10/2019	< 0.04	< 0.02	< 0.05	0.22	0.001	---
	9/29/2020	< 0.02	< 0.01	< 0.05	1.67	0.005	---
	9/28/2021	< 0.04	< 0.02	< 0.05	0.64	0.002	---
CY-1	9/28/2020	< 0.02	< 0.01	1.78	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	2.55	< 0.02	< 0.002	---
CY-2	9/29/2020	< 0.02	< 0.01	2.29	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	2.37	< 0.02	< 0.002	---
CY-3	9/29/2020	< 0.02	< 0.01	0.74	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	0.76	< 0.02	< 0.002	---
CY-A	9/28/2020	< 0.04	< 0.02	0.29	< 0.02	< 0.002	---
	9/28/2021	< 0.02	0.01	0.32	< 0.02	< 0.002	---
GC-1	9/12/2012	< 0.01	< 0.01	0.28	0.08	< 0.001	---
	9/25/2013	< 0.02	< 0.01	0.41	0.09	< 0.001	---
	9/15/2014	< 0.02	< 0.01	< 0.05	< 0.02	< 0.001	---
	9/16/2015	< 0.02	< 0.01	0.16	0.14	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.10	< 0.02	0.000	---
	10/8/2017	< 0.02	< 0.01	0.19	< 0.02	< 0.001	---
	9/27/2018	< 0.02	< 0.01	0.10	0.13	< 0.001	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GC-1	9/10/2019	< 0.02	< 0.01	0.10	< 0.02	< 0.001	---
	9/29/2020	< 0.02	< 0.01	0.29	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	0.24	0.14	< 0.002	---
GC-2	9/12/2012	< 0.01	< 0.01	0.41	< 0.02	< 0.001	---
	9/25/2013	< 0.02	< 0.01	0.49	0.03	< 0.001	---
	9/15/2014	< 0.02	< 0.01	0.41	< 0.02	< 0.001	---
	9/16/2015	< 0.02	< 0.01	0.49	< 0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.48	< 0.02	< 0.000	---
	10/8/2017	< 0.02	< 0.01	0.41	< 0.02	< 0.001	---
	9/27/2018	< 0.02	< 0.01	0.46	< 0.02	< 0.001	---
	9/10/2019	< 0.02	< 0.01	0.40	< 0.02	< 0.001	---
	9/29/2020	< 0.02	< 0.01	0.45	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	0.48	< 0.02	< 0.002	---
GC-3	9/12/2012	< 0.01	< 0.01	< 0.05	1.10	0.005	---
	9/25/2013	< 0.02	< 0.01	< 0.05	1.04	0.004	---
	9/15/2014	< 0.02	< 0.01	< 0.05	1.60	0.002	---
	9/16/2015	< 0.02	< 0.01	< 0.05	1.88	0.006	---
	9/21/2016	< 0.02	< 0.01	0.05	1.96	0.006	---
	10/8/2017	< 0.02	< 0.01	< 0.05	0.99	0.009	---
	9/27/2018	< 0.02	< 0.01	< 0.05	0.59	0.009	---
	9/10/2019	< 0.02	< 0.01	< 0.05	0.69	0.005	---
	9/29/2020	< 0.02	< 0.01	< 0.05	0.47	0.003	---
	9/28/2021	< 0.02	< 0.01	< 0.05	0.55	0.006	---
GD-2	6/4/2012	< 0.01	---	---	---	---	0.620
	9/11/2012	0.01	< 0.01	1.35	< 0.05	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	0.830
	9/24/2013	< 0.02	< 0.01	1.62	0.04	< 0.001	---
	6/10/2014	0.00	---	---	---	---	0.950

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GD-2	9/11/2014	< 0.02	< 0.01	1.28	< 0.02	< 0.001	---
	6/8/2015	< 0.02	---	---	---	---	1.10
	9/15/2015	< 0.02	< 0.01	1.77	< 0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	1.000
	9/15/2016	< 0.02	< 0.01	1.57	< 0.02	< 0.000	---
	6/14/2017	< 0.02	---	---	---	---	1.20
	9/28/2017	< 0.02	< 0.01	1.50	< 0.02	< 0.001	---
	6/11/2018	< 0.02	---	---	---	---	1.50
	9/26/2018	< 0.02	< 0.01	1.52	< 0.02	< 0.001	---
	6/4/2019	< 0.02	---	---	---	---	0.990
	9/9/2019	< 0.02	< 0.01	1.42	< 0.02	< 0.001	---
	6/18/2020	< 0.02	---	---	---	---	0.610
	9/28/2020	< 0.02	< 0.01	1.32	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	0.650
	9/27/2021	< 0.02	< 0.01	1.40	0.03	< 0.002	---
GD-3	6/4/2012	< 0.01	---	---	---	---	0.620
	9/11/2012	< 0.01	0.01	0.94	< 0.05	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	1.20
	9/24/2013	< 0.02	< 0.01	1.05	0.05	< 0.001	---
	6/10/2014	0.00	---	---	---	---	0.840
	9/11/2014	< 0.02	< 0.01	0.91	< 0.02	< 0.001	---
	6/8/2015	< 0.02	---	---	---	---	1.50
	9/15/2015	< 0.02	< 0.01	1.19	< 0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	1.40
	9/15/2016	< 0.02	< 0.01	1.02	< 0.02	< 0.000	---
	6/14/2017	< 0.02	---	---	---	---	1.80
	9/28/2017	< 0.02	< 0.01	1.01	< 0.02	< 0.001	---
	6/11/2018	< 0.02	---	---	---	---	0.690

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GD-3	9/26/2018	< 0.02	< 0.01	1.01	< 0.02	< 0.001	---
	6/4/2019	< 0.02	---	---	---	---	1.60
	9/9/2019	< 0.02	< 0.01	0.90	< 0.02	< 0.001	---
	6/18/2020	< 0.02	---	---	---	---	0.850
	9/28/2020	< 0.02	< 0.01	0.91	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	1.20
	9/27/2021	< 0.02	< 0.01	0.86	< 0.02	< 0.002	---
GF-4	6/4/2012	< 0.01	---	---	---	---	0.150
	9/11/2012	< 0.01	< 0.01	1.03	< 0.05	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	0.100
	9/24/2013	< 0.02	< 0.01	1.19	0.03	< 0.001	---
	6/10/2014	0.00	---	---	---	---	0.0600
	9/11/2014	< 0.02	< 0.01	0.93	0.02	< 0.001	---
	6/8/2015	< 0.02	---	---	---	---	-0.0100
	9/15/2015	< 0.02	< 0.01	1.11	0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	0.0100
	9/15/2016	< 0.02	< 0.01	0.99	0.05	< 0.000	---
	6/14/2017	< 0.02	---	---	---	---	0.110
	9/28/2017	< 0.02	< 0.01	1.01	0.04	< 0.001	---
	6/11/2018	< 0.02	---	---	---	---	0.0200
	9/26/2018	< 0.02	< 0.01	0.89	0.12	< 0.001	---
	6/4/2019	< 0.02	---	---	---	---	0.130
	9/9/2019	< 0.02	< 0.01	0.84	0.07	< 0.001	---
	6/18/2020	< 0.02	---	---	---	---	0.130
	9/28/2020	< 0.02	< 0.01	0.82	0.09	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	-0.0100
	9/27/2021	< 0.02	< 0.01	0.99	0.03	< 0.002	---
GF-5	6/4/2012	< 0.01	---	---	---	---	0.230

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GF-5	9/11/2012	< 0.01	< 0.01	3.37	< 0.05	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	0.370
	9/24/2013	< 0.02	< 0.01	3.45	< 0.02	< 0.001	---
	6/10/2014	0.00	---	---	---	---	0.420
	9/11/2014	< 0.02	< 0.01	3.03	< 0.02	< 0.001	---
	6/8/2015	< 0.02	---	---	---	---	0.460
	9/15/2015	< 0.02	< 0.01	16.10	< 0.40	< 0.001	---
	6/7/2016	0.00	---	---	---	---	0.370
	9/15/2016	< 0.02	< 0.01	4.43	< 0.02	< 0.000	---
	6/14/2017	< 0.02	---	---	---	---	0.150
	9/28/2017	< 0.02	< 0.01	4.63	< 0.02	< 0.001	---
	6/11/2018	< 0.02	---	---	---	---	0.250
	9/26/2018	< 0.02	< 0.01	5.21	< 0.02	< 0.001	---
	6/4/2019	< 0.02	---	---	---	---	0.360
	9/9/2019	< 0.02	< 0.01	3.92	< 0.02	< 0.001	---
	6/18/2020	< 0.02	---	---	---	---	0.290
	9/28/2020	< 0.02	< 0.01	6.64	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	0.470
	9/27/2021	< 0.02	< 0.01	6.42	< 0.02	< 0.002	---
GF-6	6/4/2012	< 0.01	---	---	---	---	1.000
	9/11/2012	0.01	< 0.01	1.38	< 0.05	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	1.10
	9/24/2013	< 0.02	< 0.01	1.50	0.03	< 0.001	---
	6/10/2014	0.00	---	---	---	---	1.000
	9/11/2014	< 0.02	< 0.01	1.33	< 0.02	< 0.001	---
	6/8/2015	< 0.02	---	---	---	---	1.30
	9/15/2015	< 0.02	< 0.01	1.63	< 0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	5.50

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GF-6	9/15/2016	< 0.02	< 0.01	1.58	< 0.02	< 0.000	---
	6/14/2017	< 0.02	---	---	---	---	2.30
	9/28/2017	< 0.02	< 0.01	1.58	< 0.02	< 0.001	---
	6/11/2018	< 0.02	---	---	---	---	0.830
	9/26/2018	< 0.02	< 0.01	1.58	< 0.02	< 0.001	---
	6/4/2019	< 0.02	---	---	---	---	3.40
	9/9/2019	< 0.02	< 0.01	1.48	< 0.02	< 0.001	---
	6/18/2020	< 0.02	---	---	---	---	2.60
	9/28/2020	< 0.02	< 0.01	1.31	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	1.20
	9/27/2021	< 0.02	< 0.01	1.51	< 0.02	< 0.002	---
GF-7	6/4/2012	< 0.01	---	---	---	---	0.320
	9/11/2012	< 0.01	< 0.01	4.69	0.03	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	0.270
	9/24/2013	< 0.02	< 0.01	4.65	0.06	< 0.001	---
	6/10/2014	0.00	---	---	---	---	0.540
	9/11/2014	< 0.02	< 0.01	4.26	< 0.02	< 0.001	---
	6/8/2015	< 0.04	---	---	---	---	2.70
	9/15/2015	< 0.04	< 0.02	5.61	< 0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	1.30
	9/15/2016	< 0.04	< 0.02	4.45	< 0.02	< 0.000	---
	6/14/2017	< 0.04	---	---	---	---	1.000
	9/28/2017	< 0.04	< 0.02	4.91	< 0.02	< 0.001	---
	6/11/2018	< 0.04	---	---	---	---	0.580
	9/26/2018	< 0.04	< 0.02	5.97	< 0.02	< 0.001	---
	6/4/2019	< 0.04	---	---	---	---	0.790
	9/9/2019	< 0.04	< 0.02	4.47	< 0.02	< 0.001	---
	6/18/2020	< 0.04	---	---	---	---	0.450

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GF-7	9/28/2020	< 0.04	< 0.02	3.65	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	1.10
	9/27/2021	< 0.04	< 0.02	4.71	< 0.02	< 0.002	---
GF-11	6/4/2012	< 0.01	---	---	---	---	0.480
	9/11/2012	0.02	< 0.01	0.91	< 0.05	< 0.001	---
	9/24/2013	< 0.02	< 0.01	1.03	0.03	< 0.001	---
	6/10/2014	0.00	---	---	---	---	1.20
	9/11/2014	< 0.02	< 0.01	0.86	< 0.02	< 0.001	---
	6/8/2015	< 0.02	---	---	---	---	1.30
	9/15/2015	< 0.02	< 0.01	1.03	< 0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	0.780
	9/15/2016	< 0.02	< 0.01	0.92	< 0.02	< 0.000	---
	6/14/2017	< 0.02	---	---	---	---	1.20
	9/28/2017	< 0.02	< 0.01	0.97	< 0.02	< 0.001	---
	6/11/2018	< 0.02	---	---	---	---	0.740
	9/26/2018	< 0.02	< 0.01	0.89	< 0.02	< 0.001	---
	6/4/2019	< 0.02	---	---	---	---	1.30
	9/9/2019	< 0.02	< 0.01	0.85	< 0.02	< 0.001	---
	6/18/2020	< 0.02	---	---	---	---	0.710
	9/28/2020	< 0.02	< 0.01	0.79	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	0.780
	9/27/2021	< 0.02	< 0.01	0.89	0.05	< 0.002	---
GLEV-1	9/16/2015	< 0.02	< 0.01	0.48	< 0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.53	0.06	< 0.000	---
	10/8/2017	< 0.02	< 0.01	0.51	< 0.02	< 0.001	---
	9/27/2018	< 0.02	< 0.01	0.40	0.06	< 0.001	---
	9/10/2019	< 0.02	< 0.01	0.47	< 0.02	< 0.001	---
	9/29/2020	< 0.02	< 0.01	0.55	< 0.02	< 0.002	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GLEV-1	9/28/2021	< 0.02	< 0.01	0.56	< 0.02	< 0.002	---
GLEV-3	9/16/2015	< 0.04	< 0.02	< 0.05	1.00	0.003	---
	9/21/2016	< 0.04	< 0.02	< 0.05	1.07	0.003	---
	10/8/2017	< 0.02	< 0.01	< 0.05	0.91	0.003	---
	9/27/2018	< 0.04	< 0.02	< 0.05	0.71	0.004	---
	9/10/2019	< 0.04	< 0.02	< 0.05	0.87	0.013	---
	9/29/2020	< 0.04	< 0.02	< 0.05	1.15	0.017	---
	9/28/2021	< 0.04	< 0.02	< 0.05	0.97	0.017	---
GMP-1	6/4/2012	< 0.01	---	---	---	---	0.490
	9/11/2012	< 0.01	< 0.01	0.21	< 0.05	< 0.001	---
	6/4/2013	< 0.02	---	---	---	---	0.910
	9/24/2013	< 0.02	< 0.01	0.22	0.04	< 0.001	---
	6/10/2014	0.00	---	---	---	---	0.780
	9/11/2014	< 0.02	< 0.01	0.22	< 0.02	< 0.001	---
	6/8/2015	< 0.04	---	---	---	---	1.60
	9/15/2015	< 0.04	< 0.02	0.26	< 0.02	< 0.001	---
	6/7/2016	0.00	---	---	---	---	0.760
	9/15/2016	< 0.04	< 0.02	0.22	< 0.02	< 0.000	---
	6/14/2017	< 0.04	---	---	---	---	0.960
	9/28/2017	< 0.04	< 0.02	0.27	< 0.02	< 0.001	---
	6/11/2018	< 0.04	---	---	---	---	0.650
	9/26/2018	< 0.04	< 0.02	0.26	< 0.02	< 0.001	---
	6/4/2019	< 0.04	---	---	---	---	0.980
	9/9/2019	< 0.04	< 0.02	0.41	< 0.02	< 0.001	---
	6/18/2020	< 0.04	---	---	---	---	0.560
	9/28/2020	< 0.04	< 0.02	0.26	< 0.02	< 0.002	---
	6/23/2021	< 0.02	---	---	---	---	1.10
	9/27/2021	< 0.04	< 0.02	0.21	< 0.02	< 0.002	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GP-2	9/12/2012	< 0.01	< 0.01	0.93	< 0.02	< 0.001	---
	9/25/2013	< 0.02	< 0.01	1.15	1.15	< 0.001	---
	9/15/2014	< 0.02	< 0.01	0.98	< 0.02	< 0.001	---
	9/16/2015	< 0.02	< 0.01	1.10	< 0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	1.06	< 0.02	< 0.000	---
	10/8/2017	< 0.02	< 0.01	1.03	< 0.02	< 0.001	---
	9/27/2018	< 0.02	< 0.01	1.07	< 0.02	< 0.001	---
	9/10/2019	< 0.02	< 0.01	0.96	< 0.02	< 0.001	---
	9/29/2020	< 0.02	< 0.01	1.04	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	1.05	< 0.02	< 0.002	---
GP-3	9/12/2012	< 0.01	< 0.01	1.10	< 0.02	< 0.001	---
	9/25/2013	< 0.02	< 0.01	1.22	0.03	< 0.001	---
	9/15/2014	< 0.02	< 0.01	1.09	< 0.02	< 0.001	---
	9/16/2015	< 0.02	< 0.01	1.23	< 0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	1.15	< 0.02	< 0.000	---
	10/8/2017	< 0.02	< 0.01	1.18	0.04	< 0.001	---
	9/26/2018	< 0.02	< 0.01	1.08	< 0.02	< 0.001	---
	9/10/2019	< 0.02	< 0.01	0.97	< 0.02	< 0.001	---
	9/28/2020	< 0.02	< 0.01	0.94	< 0.02	< 0.002	---
	9/27/2021	< 0.02	< 0.01	0.96	0.03	< 0.002	---
GP-4	9/12/2012	< 0.01	< 0.01	0.57	0.03	< 0.001	---
	9/25/2013	< 0.02	< 0.01	0.88	0.04	< 0.001	---
	9/15/2014	< 0.02	< 0.01	0.79	0.06	< 0.001	---
	9/16/2015	< 0.02	< 0.01	0.68	< 0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.66	< 0.02	< 0.000	---
	10/8/2017	< 0.02	< 0.01	0.60	< 0.02	< 0.001	---
	9/26/2018	< 0.02	< 0.01	0.54	< 0.02	< 0.001	---
	9/10/2019	< 0.02	< 0.01	0.54	< 0.02	< 0.001	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GP-4	9/28/2020	< 0.02	< 0.01	0.56	< 0.02	< 0.002	---
	9/27/2021	< 0.02	< 0.01	0.59	0.03	< 0.002	---
GP-5	9/11/2012	0.01	< 0.01	1.06	< 0.05	< 0.001	---
	9/24/2013	< 0.02	< 0.01	1.20	< 0.02	< 0.001	---
	9/11/2014	< 0.02	< 0.01	1.02	< 0.02	< 0.001	---
	9/15/2015	< 0.02	< 0.01	1.24	< 0.02	< 0.001	---
	9/15/2016	< 0.02	< 0.01	1.18	< 0.02	< 0.000	---
	9/28/2017	< 0.02	< 0.01	1.09	< 0.02	< 0.001	---
	9/26/2018	< 0.02	< 0.01	1.18	< 0.02	< 0.001	---
	9/9/2019	< 0.02	< 0.01	1.05	< 0.02	< 0.001	---
	9/28/2020	< 0.02	< 0.01	1.06	< 0.02	< 0.002	---
	9/27/2021	< 0.04	< 0.02	0.46	< 0.02	< 0.002	---
GP-7	9/12/2012	< 0.01	< 0.01	< 0.05	0.24	< 0.001	---
	9/25/2013	< 0.02	< 0.01	< 0.05	0.26	< 0.001	---
	9/15/2014	< 0.02	< 0.01	0.07	0.27	< 0.001	---
	9/16/2015	< 0.02	< 0.01	< 0.05	0.25	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.09	0.24	0.000	---
	10/8/2017	< 0.02	< 0.01	0.45	< 0.02	< 0.001	---
GP-8	9/12/2012	< 0.01	< 0.01	0.53	0.03	< 0.001	---
	9/25/2013	< 0.02	< 0.01	0.68	0.68	< 0.001	---
	9/15/2014	< 0.02	< 0.01	0.56	< 0.02	< 0.001	---
	9/16/2015	< 0.02	< 0.01	0.61	0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.61	0.03	0.000	---
	10/8/2017	< 0.02	< 0.01	0.55	< 0.02	< 0.001	---
	9/27/2018	< 0.02	< 0.01	0.60	< 0.02	0.001	---
	9/10/2019	< 0.02	< 0.01	0.52	< 0.02	< 0.001	---
	9/29/2020	< 0.02	< 0.01	0.62	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	0.61	0.04	< 0.002	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
GP-9	9/12/2012	< 0.01	< 0.01	0.73	0.17	< 0.001	---
	9/25/2013	< 0.02	< 0.01	1.28	0.02	< 0.001	---
	9/15/2014	< 0.02	< 0.01	1.11	< 0.02	< 0.001	---
	9/16/2015	< 0.02	< 0.01	1.31	< 0.02	< 0.001	---
	9/21/2016	< 0.02	< 0.01	0.41	0.40	< 0.000	---
	10/8/2017	< 0.02	< 0.01	1.22	< 0.02	< 0.001	---
	9/27/2018	< 0.02	< 0.01	0.49	0.13	< 0.001	---
	9/10/2019	< 0.02	< 0.01	0.91	< 0.02	< 0.001	---
	9/29/2020	< 0.02	< 0.01	1.17	< 0.02	< 0.002	---
	9/28/2021	< 0.02	< 0.01	1.05	< 0.02	< 0.002	---
J-1	9/12/2012	0.02	0.02	< 0.05	0.02	< 0.001	---
	9/25/2013	< 0.02	< 0.01	< 0.05	0.04	< 0.001	---
	9/15/2014	< 0.02	< 0.01	< 0.05	0.04	< 0.001	---
	9/16/2015	< 0.04	< 0.02	< 0.05	< 0.02	< 0.001	---
	9/21/2016	< 0.04	< 0.02	< 0.05	< 0.02	0.000	---
	10/8/2017	< 0.04	< 0.02	< 0.05	< 0.02	< 0.001	---
	9/27/2018	< 0.04	< 0.02	< 0.05	< 0.02	< 0.001	---
	9/9/2019	< 0.04	< 0.02	< 0.05	< 0.02	< 0.001	---
	9/28/2020	< 0.04	< 0.02	0.15	< 0.02	< 0.002	---
	9/27/2021	< 0.04	< 0.02	0.06	0.03	< 0.002	---
P-1	9/12/2012	< 0.01	< 0.01	0.25	0.08	< 0.001	---
	9/25/2013	< 0.02	< 0.01	0.84	0.06	< 0.001	---
	9/15/2014	< 0.02	< 0.01	0.26	0.02	< 0.001	---
	9/16/2015	< 0.04	< 0.02	8.31	0.06	< 0.001	---
	9/21/2016	< 0.04	< 0.02	0.99	< 0.02	0.000	---
	10/8/2017	< 0.04	< 0.02	0.13	0.05	< 0.001	---
	9/26/2018	< 0.04	< 0.02	1.75	0.08	< 0.001	---
	9/10/2019	< 0.04	< 0.02	0.30	< 0.02	< 0.001	---

TABLE B-1. TRAPPER MINING COMPANY GROUND-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Mo (mg/l)	Ni (mg/l)	NH3 (mg/l)	NO3 (mg/l)	Se (mg/l)	Ra226 (pCi/l)
P-5	9/15/2014	< 0.02	< 0.01	< 0.05	11.00	0.003	---
	10/8/2017	< 0.04	< 0.02	0.20	12.00	0.001	---
P-8	9/11/2012	0.04	< 0.01	0.96	< 0.05	< 0.001	---
	9/25/2013	< 0.02	< 0.01	1.04	0.06	< 0.001	---
	9/11/2014	< 0.02	< 0.01	1.04	< 0.02	< 0.001	---
	9/15/2015	< 0.04	< 0.02	1.28	0.06	< 0.001	---
	9/15/2016	< 0.04	< 0.02	1.18	< 0.02	< 0.000	---
	9/28/2017	< 0.04	< 0.02	1.24	< 0.02	< 0.001	---
	9/26/2018	< 0.04	< 0.02	1.20	< 0.02	< 0.001	---
	9/10/2019	< 0.04	< 0.02	1.01	< 0.02	< 0.001	---
	9/28/2020	< 0.04	< 0.02	1.07	< 0.02	< 0.002	---
	9/27/2021	< 0.04	< 0.02	1.04	0.04	< 0.002	---

TABLE B-2. TRAPPER MINING COMPANY SPRINGS DATA.

Sample Point Name	Date	Flow (gpm)	pH (units)	pH(f) (std. units)	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TSS (mg/l)	SO4 (mg/l)	TDS (mg/l)	Fe(t) (mg/l)
Coyote Spring	6/13/2012	6.38	8.20	8.00	9.30	1880	2120	44.0	760	1600	1.05
	9/4/2012	4.66	---	7.70	15.0	---	2160	---	---	---	---
	6/4/2013	1.60	8.20	7.90	13.0	2150	2260	11.0	820	1690	0.320
	9/3/2013	1.60	---	8.00	14.0	---	2260	---	---	---	---
	6/3/2014	1.60	8.30	8.10	14.0	2380	2430	26.0	930	1970	0.750
	9/10/2014	1.60	---	7.90	14.0	---	2510	---	---	1950	---
	6/9/2015	1.62	8.40	7.90	16.0	2220	2520	25.0	900	1970	0.900
	9/8/2015	1.62	---	8.20	16.0	---	2410	---	---	1970	---
	6/7/2016	1.60	8.30	8.10	19.0	2310	2370	56.0	910	1960	2.04
	9/6/2016	1.60	---	7.90	18.0	---	2610	---	---	2120	---
	6/6/2017	1.60	8.50	8.10	19.0	2290	2440	< 5.00	950	1980	0.680
	9/7/2017	1.60	---	8.30	16.0	---	2590	---	---	2110	---
	6/6/2018	1.60	8.40	8.10	20.0	2440	2200	26.0	1040	2120	0.610
	8/14/2018	1.60	---	7.90	18.0	---	2840	---	---	2250	---
	6/4/2019	1.60	8.30	7.80	18.0	2570	2770	43.0	1000	2180	0.960
	9/3/2019	1.60	---	7.90	17.0	---	2850	---	---	2240	---
	6/9/2020	1.60	8.30	8.00	14.0	2540	2600	54.0	1090	2190	0.500
	9/29/2020	1.60	---	7.80	15.0	---	2870	---	---	2450	---
	6/9/2021	1.60	8.30	7.50	18.0	2620	2750	43.0	1180	2310	0.804
	9/14/2021	1.60	---	7.60	14.0	---	2810	---	---	2230	---
E. PYEATT	1/3/2012	31.4	---	7.80	10.00	---	3950	---	---	---	---
	1/10/2012	31.4	---	7.90	8.00	---	4020	---	---	---	---
	1/24/2012	31.4	---	7.90	8.00	---	4040	---	---	---	---
	1/31/2012	31.4	---	7.80	9.00	---	4010	---	---	---	---
	2/7/2012	31.4	---	8.00	9.00	---	3980	---	---	---	---
	2/14/2012	31.4	---	8.00	9.00	---	3990	---	---	---	---
	2/21/2012	31.4	---	7.80	7.00	---	4060	---	---	---	---
	2/28/2012	26.1	---	7.80	5.00	---	4060	---	---	---	---

@ = No flow period

TABLE B-2. TRAPPER MINING COMPANY SPRINGS DATA. (cont'd.)

Sample Point Name	Date	Flow (gpm)	pH (units)	pH(f) (std. units)	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TSS (mg/l)	SO4 (mg/l)	TDS (mg/l)	Fe(t) (mg/l)
E. PYEATT	3/6/2012	31.4	---	7.40	10.00	---	3770	---	---	---	---
	3/13/2012	31.4	---	7.60	7.00	---	3940	---	---	---	---
	3/19/2012	31.4	---	7.60	5.00	---	3980	---	---	---	---
	3/27/2012	31.4	---	7.60	11.0	---	3870	---	---	---	---
	4/3/2012	31.4	---	7.60	9.00	---	3870	---	---	---	---
	4/10/2012	31.4	---	7.50	11.0	---	3880	---	---	---	---
	4/17/2012	31.4	---	7.60	8.00	---	3850	---	---	---	---
	4/24/2012	31.4	---	7.50	10.00	---	3880	---	---	---	---
	5/1/2012	31.4	---	7.50	9.00	---	3890	---	---	---	---
	5/8/2012	31.4	---	7.50	12.0	---	3910	---	---	---	---
	5/15/2012	31.4	---	7.50	12.0	---	3900	---	---	---	---
	5/22/2012	31.4	---	7.40	9.00	---	3920	---	---	---	---
	5/29/2012	19.0	---	7.50	7.00	---	3930	---	---	---	---
	6/5/2012	21.3	---	8.60	8.00	---	3910	---	---	---	---
	6/12/2012	23.7	---	7.50	7.00	---	3940	---	---	---	---
	6/13/2012	26.1	8.00	7.40	9.00	3270	3910	8.00	1780	3440	0.100
	6/19/2012	@ 0	---	---	---	---	---	---	---	---	---
	8/28/2012	@ 0	---	---	---	---	---	---	---	---	---
	9/4/2012	31.4	---	7.20	12.0	---	3960	---	---	3630	---
	9/11/2012	@ 0	---	---	---	---	---	---	---	---	---
	10/23/2012	@ 0	---	---	---	---	---	---	---	---	---
	10/30/2012	31.4	---	7.20	13.0	---	3980	---	---	---	---
	11/6/2012	@ 0	---	---	---	---	---	---	---	---	---
	11/13/2012	31.4	---	7.30	12.0	---	3940	---	---	---	---
	11/20/2012	@ 0	---	---	---	---	---	---	---	---	---
	11/27/2012	@ 0	---	---	---	---	---	---	---	---	---
	12/4/2012	31.4	---	7.40	10.00	---	3980	---	---	---	---
	12/11/2012	@ 0	---	---	---	---	---	---	---	---	---
	3/6/2013	31.4	---	7.70	11.0	---	4130	---	---	---	---

@ = No flow period

TABLE B-2. TRAPPER MINING COMPANY SPRINGS DATA. (cont'd.)

Sample Point Name	Date	Flow (gpm)	pH (units)	pH(f) (std. units)	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TSS (mg/l)	SO4 (mg/l)	TDS (mg/l)	Fe(t) (mg/l)
E. PYEATT	4/2/2013	36.9	---	7.50	9.00	---	4160	---	---	---	---
	5/7/2013	31.4	---	7.30	12.0	---	4100	---	---	---	---
	6/4/2013	23.7	8.10	7.30	14.0	3980	4090	< 5.00	1970	3620	0.0300
	9/3/2013	16.8	---	7.30	13.0	---	4070	---	---	3780	---
	10/8/2013	31.4	---	7.30	12.0	---	3920	---	---	---	---
	11/5/2013	31.4	---	7.20	11.0	---	3820	---	---	---	---
	6/3/2014	16.8	8.00	7.40	10.00	3860	3910	5.00	1740	3430	0.120
	9/10/2014	26.1	---	7.50	12.0	---	3960	---	---	3490	---
	6/9/2015	26.1	8.30	7.40	11.0	3470	3860	8.00	1720	3660	0.100
	9/8/2015	12.6	---	7.40	18.0	---	2830	---	---	3580	---
	6/7/2016	45.6	8.30	8.10	24.0	3250	3420	< 5.00	1540	2990	0.110
	9/6/2016	32.5	---	8.20	20.0	---	3520	---	---	3500	---
	6/6/2017	31.4	8.30	7.60	14.0	3470	3550	< 5.00	1710	3330	< 0.0400
	9/7/2017	30.0	---	7.60	15.0	---	3870	---	---	3610	---
	6/6/2018	31.4	8.20	7.70	16.0	3610	3820	5.00	1790	3430	0.0700
	8/14/2018	16.8	---	7.00	15.0	---	4070	---	---	3620	---
	6/4/2019	21.3	8.10	7.20	15.0	3710	3890	8.00	1710	3440	< 0.0600
	9/3/2019	16.8	---	7.20	16.0	---	4140	---	---	3610	---
	6/9/2020	21.3	8.20	7.50	16.0	3730	3750	7.00	1790	3490	< 0.100
	9/29/2020	16.8	---	7.50	14.0	---	4060	---	---	3690	---
	6/9/2021	16.8	8.10	7.20	18.0	4000	4040	< 5.00	1980	3820	< 0.120
	9/14/2021	16.8	---	7.20	16.0	---	4360	---	---	3770	---
E. PYEATT S.	6/13/2012	24.0	8.20	8.30	11.0	3230	3800	7.00	1630	3210	0.150
	9/4/2012	15.0	---	8.30	17.0	---	3680	---	---	3220	---
	6/4/2013	27.6	8.30	8.20	23.0	3240	3350	19.0	1510	2700	0.400
	9/3/2013	21.6	---	8.30	21.0	---	3590	---	---	3130	---
	6/3/2014	27.6	8.20	8.30	21.0	3330	3430	22.0	1460	2830	0.410
	9/10/2014	21.6	---	8.20	15.0	---	3650	---	---	3020	---

@ = No flow period

TABLE B-2. TRAPPER MINING COMPANY SPRINGS DATA. (cont'd.)

Sample Point Name	Date	Flow (gpm)	pH (units)	pH(f) (std. units)	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TSS (mg/l)	SO4 (mg/l)	TDS (mg/l)	Fe(t) (mg/l)
E. PYEATT S.	6/9/2015	18.9	8.40	8.20	22.0	3080	3410	70.0	1490	2900	1.39
	9/8/2015	11.9	---	8.10	20.0	---	3450	---	---	3080	---
	6/7/2016	45.6	8.30	8.10	24.0	3210	3420	33.0	1490	2930	0.820
	9/6/2016	32.5	---	8.20	20.0	---	3520	---	---	3210	---
Fox Den Spring	1/3/2012	@ 0	---	---	---	---	---	---	---	---	---
	12/26/2012	@ 0	---	---	---	---	---	---	---	---	---
	1/3/2013	@ 0	---	---	---	---	---	---	---	---	---
	12/26/2013	@ 0	---	---	---	---	---	---	---	---	---
	6/30/2014	@ 0	---	---	---	---	---	---	---	---	---
	9/10/2014	@ 0	---	---	---	---	---	---	---	---	---
	6/9/2015	@ 0	---	---	---	---	---	---	---	---	---
	9/8/2015	@ 0	---	---	---	---	---	---	---	---	---
	6/7/2016	@ 0	---	---	---	---	---	---	---	---	---
	9/6/2016	@ 0	---	---	---	---	---	---	---	---	---
	6/6/2017	@ 0	---	---	---	---	---	---	---	---	---
	9/7/2017	@ 0	---	---	---	---	---	---	---	---	---
	6/6/2018	@ 0	---	---	---	---	---	---	---	---	---
	8/14/2018	@ 0	---	---	---	---	---	---	---	---	---
	6/4/2019	@ 0	---	---	---	---	---	---	---	---	---
	8/14/2019	@ 0	---	---	---	---	---	---	---	---	---
	6/9/2020	@ 0	---	---	---	---	---	---	---	---	---
	9/29/2020	@ 0	---	---	---	---	---	---	---	---	---
	6/9/2021	@ 0	---	---	---	---	---	---	---	---	---
	9/14/2021	@ 0	---	---	---	---	---	---	---	---	---
N. Horse Gulch	1/3/2012	< 1.000	---	---	---	---	---	---	---	---	---
	12/26/2012	< 1.000	---	---	---	---	---	---	---	---	---
	1/3/2013	< 1.000	---	---	---	---	---	---	---	---	---
	12/26/2013	< 1.000	---	---	---	---	---	---	---	---	---

@ = No flow period

TABLE B-2. TRAPPER MINING COMPANY SPRINGS DATA. (cont'd.)

Sample Point Name	Date	Flow (gpm)	pH (units)	pH(f) (std. units)	Temp (deg. C)	Cond (µmhos)	Cond(f) (µmhos)	TSS (mg/l)	SO4 (mg/l)	TDS (mg/l)	Fe(t) (mg/l)
N. Horse Gulch	6/30/2014	< 1.000	---	---	---	---	---	---	---	---	---
	9/10/2014	< 1.000	---	---	---	---	---	---	---	---	---
	6/9/2015	< 1.000	---	---	---	---	---	---	---	---	---
	9/8/2015	< 1.000	---	---	---	---	---	---	---	---	---
	6/7/2016	< 1.000	---	---	---	---	---	---	---	---	---
	9/6/2016	< 1.000	---	---	---	---	---	---	---	---	---
	6/6/2017	< 1.000	---	---	---	---	---	---	---	---	---
	9/7/2017	< 1.000	---	---	---	---	---	---	---	---	---
	6/6/2018	< 1.000	---	---	---	---	---	---	---	---	---
	8/14/2018	< 1.000	---	---	---	---	---	---	---	---	---
	6/4/2019	< 1.000	---	---	---	---	---	---	---	---	---
	8/14/2019	< 1.000	---	---	---	---	---	---	---	---	---
	6/9/2020	< 1.000	---	---	---	---	---	---	---	---	---
	9/29/2020	< 1.000	---	---	---	---	---	---	---	---	---
	6/9/2021	< 1.000	---	---	---	---	---	---	---	---	---
	9/29/2021	< 1.000	---	---	---	---	---	---	---	---	---

@ = No flow period

APPENDIX C

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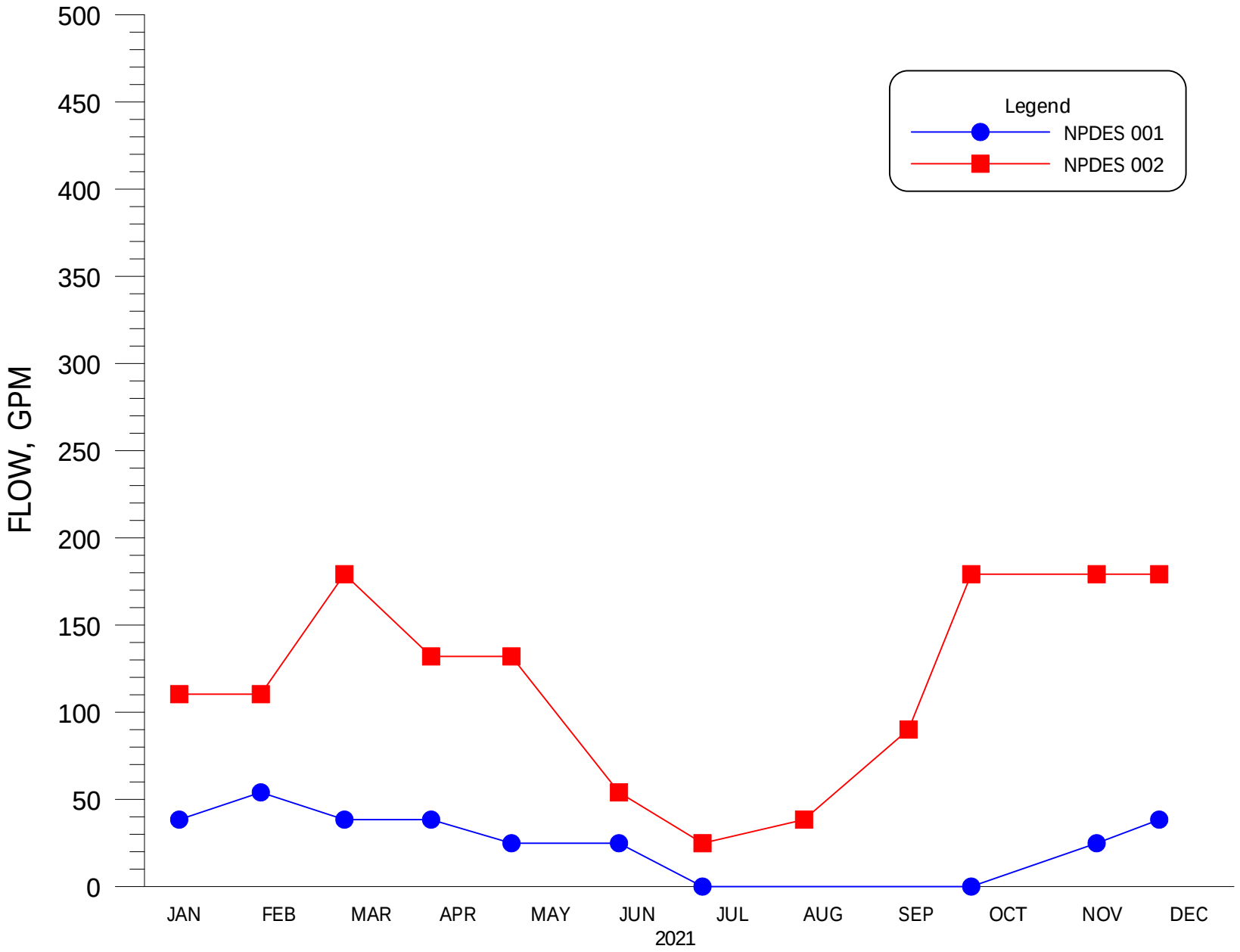

FIGURE C-1. FLOW VERSUS TIME FOR NPDES SITES 001 AND 002.

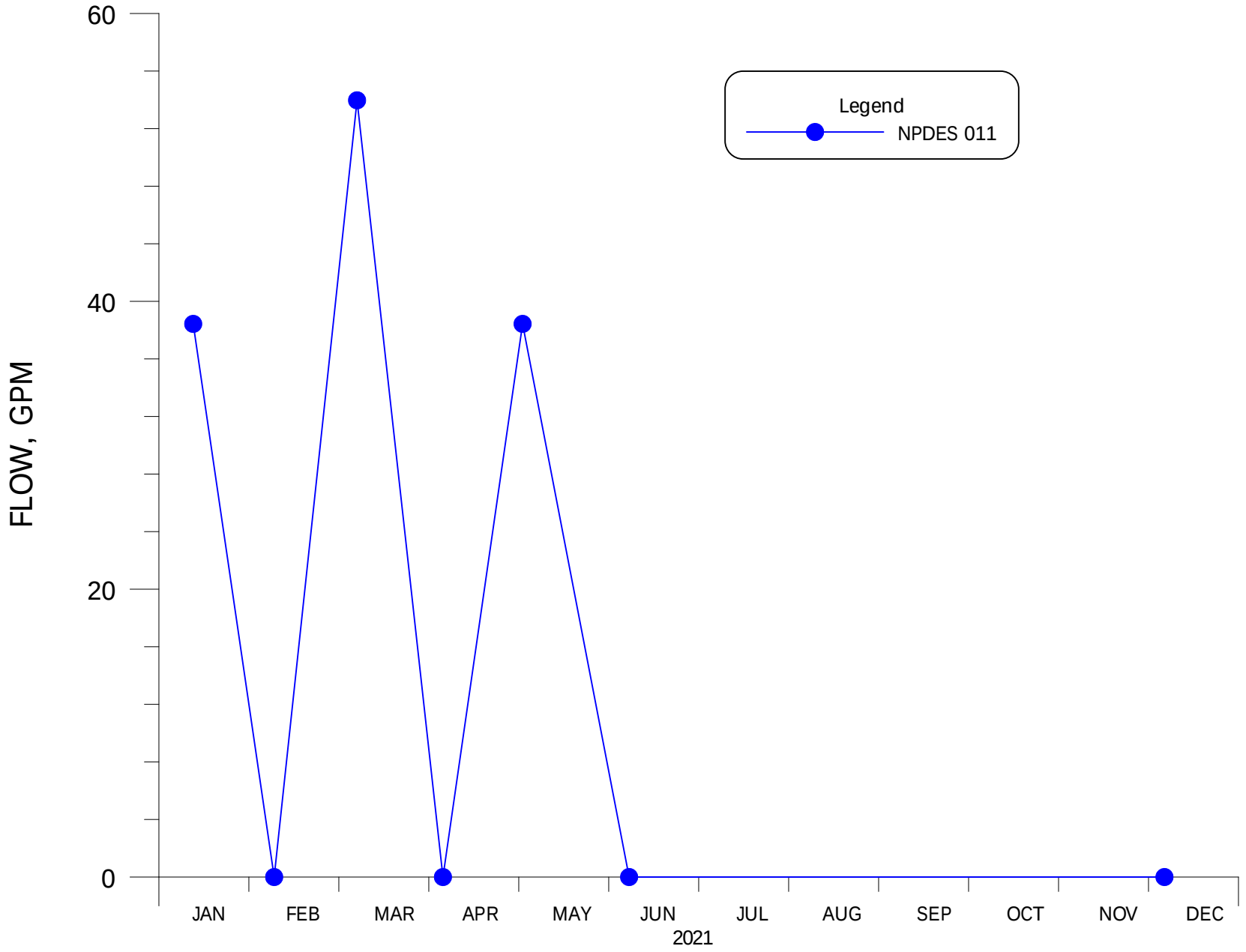

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FIGURE C-2. FLOW VERSUS TIME FOR NPDES SITE 011.

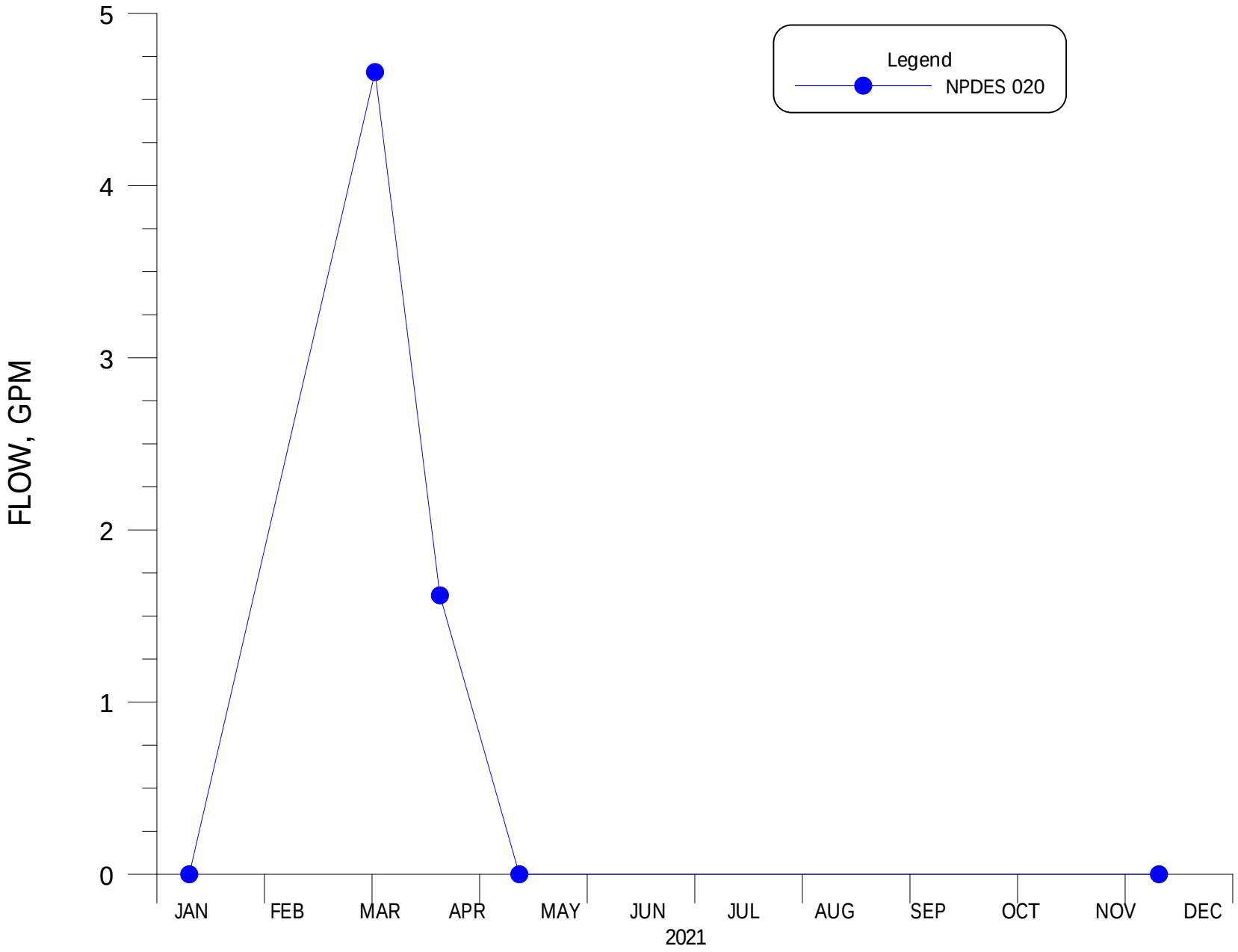

FIGURE C-3. FLOW VERSUS TIME FOR NPDES SITE 020.

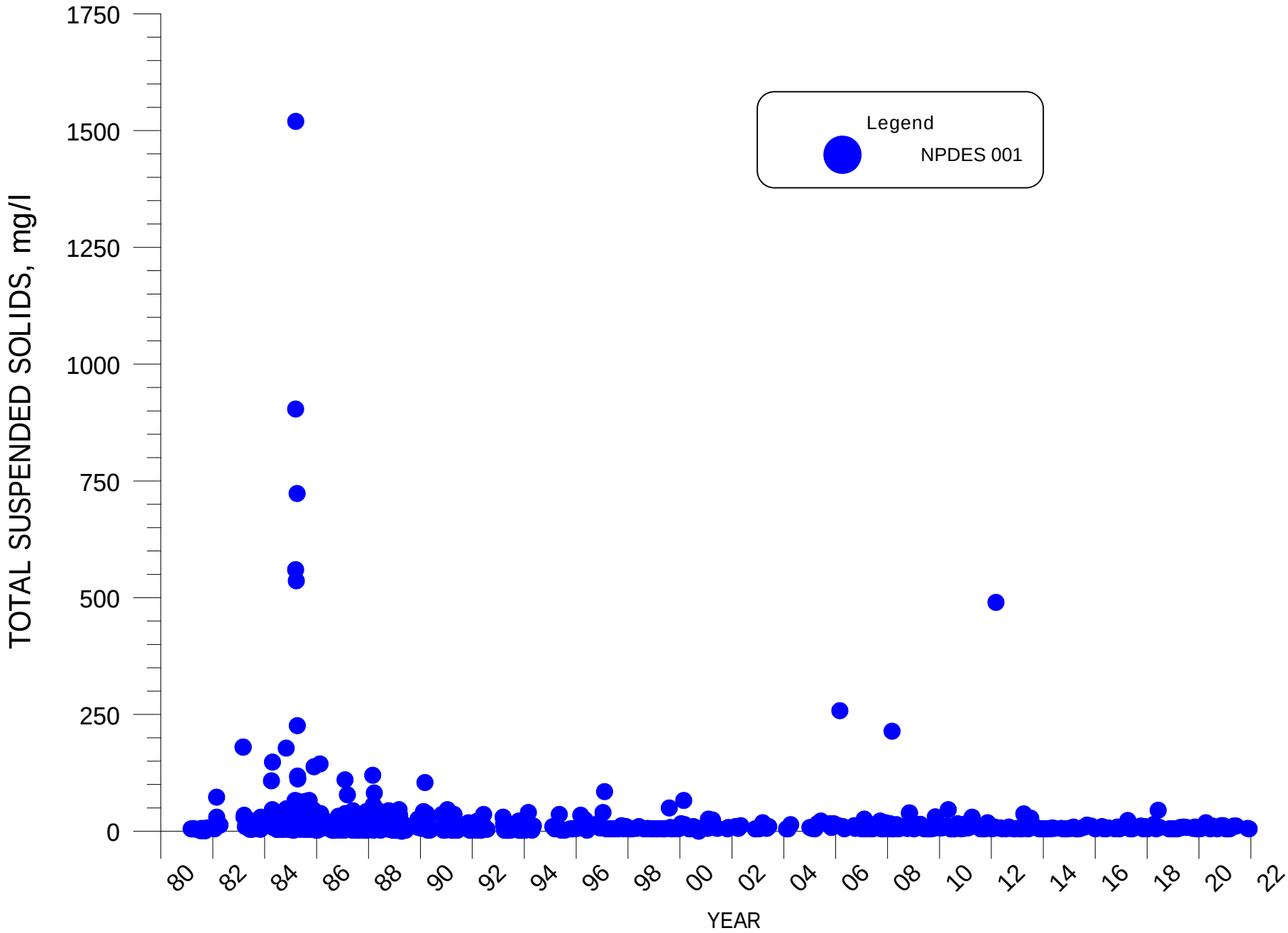

FIGURE C-4. TSS VERSUS TIME FOR NPDES SITE 001.

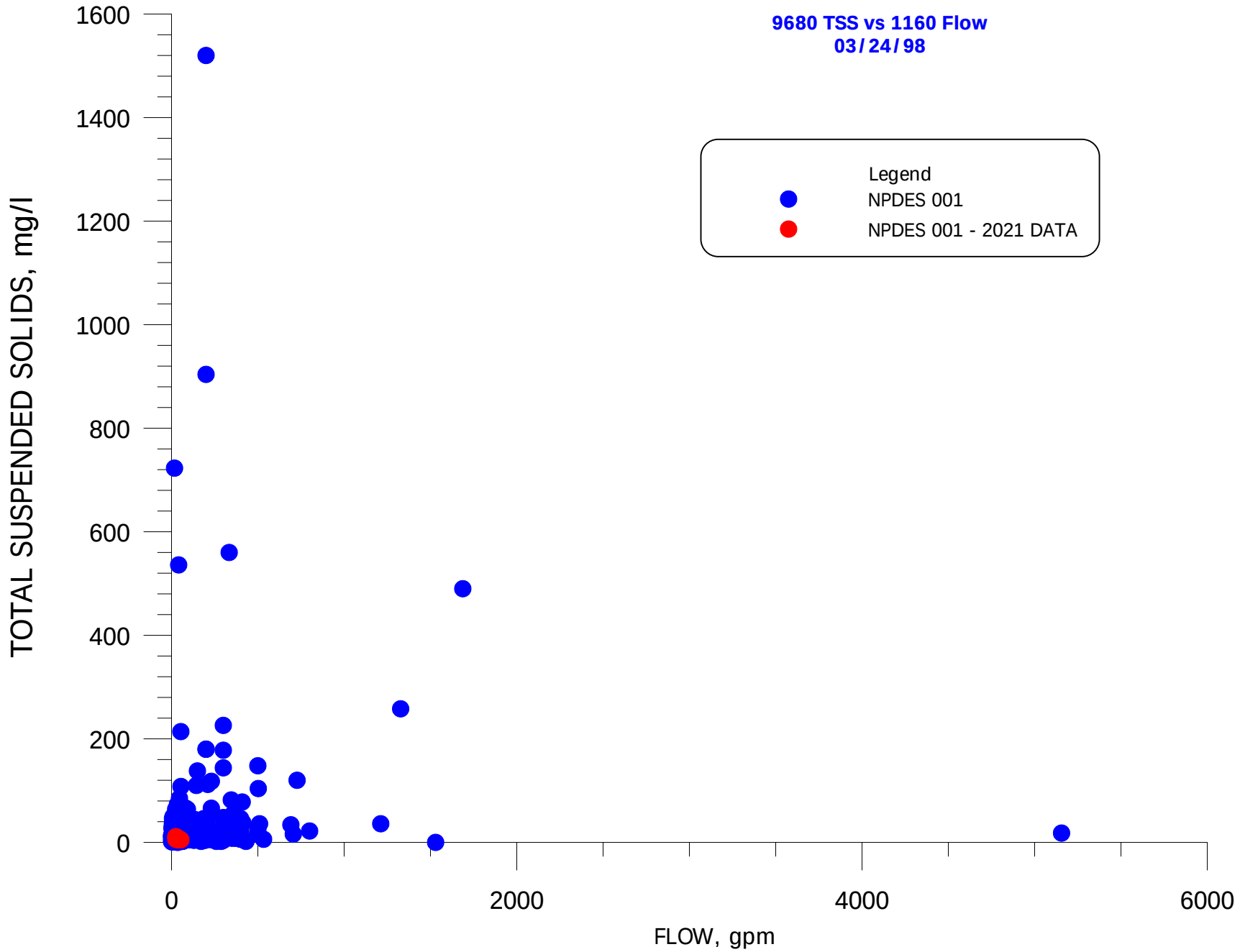

FIGURE C-5. FLOW VERSUS TSS FOR NPDES SITE 001.

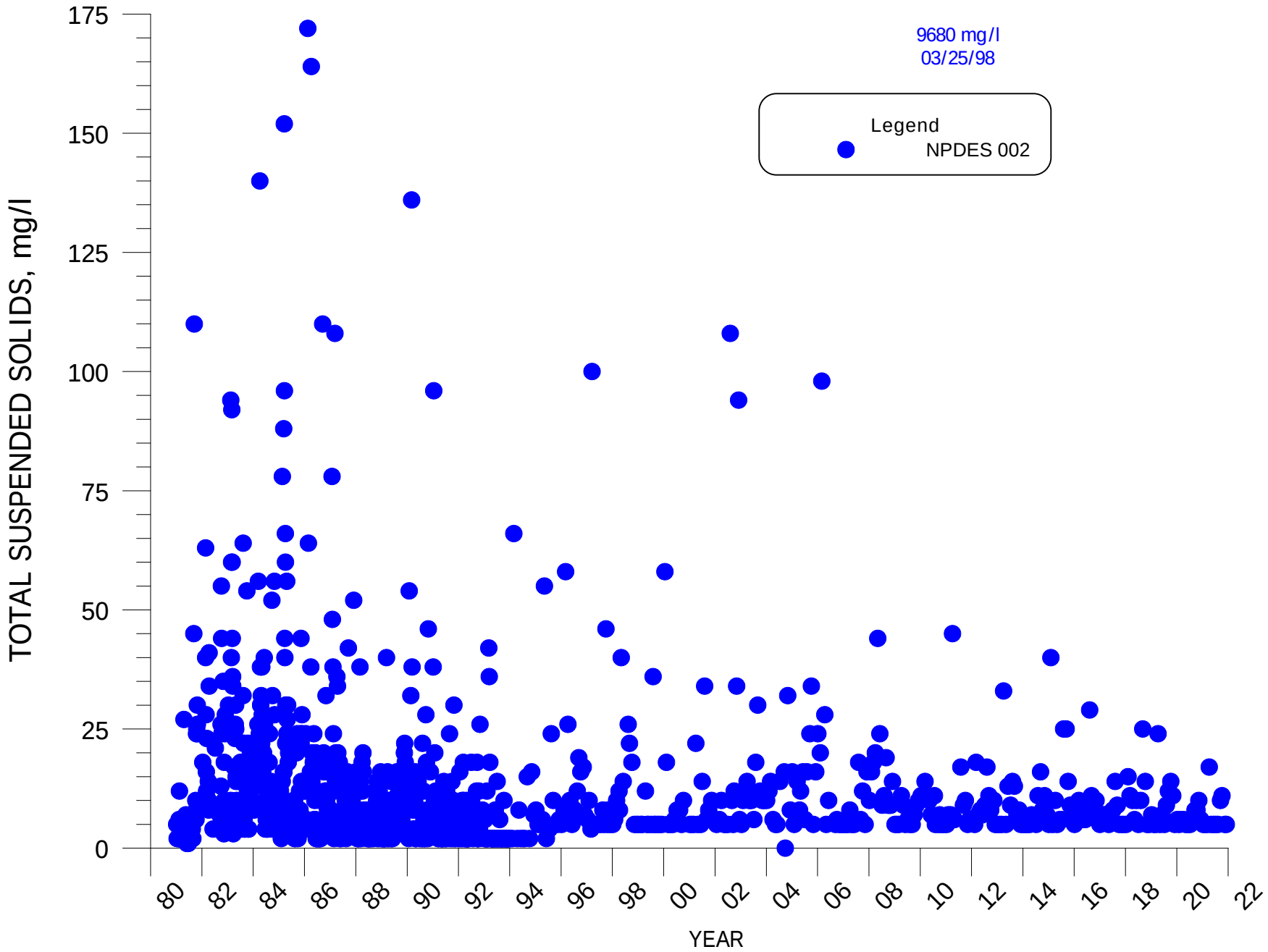

FIGURE C-6. TSS VERSUS TIME FOR NPDES SITE 002.

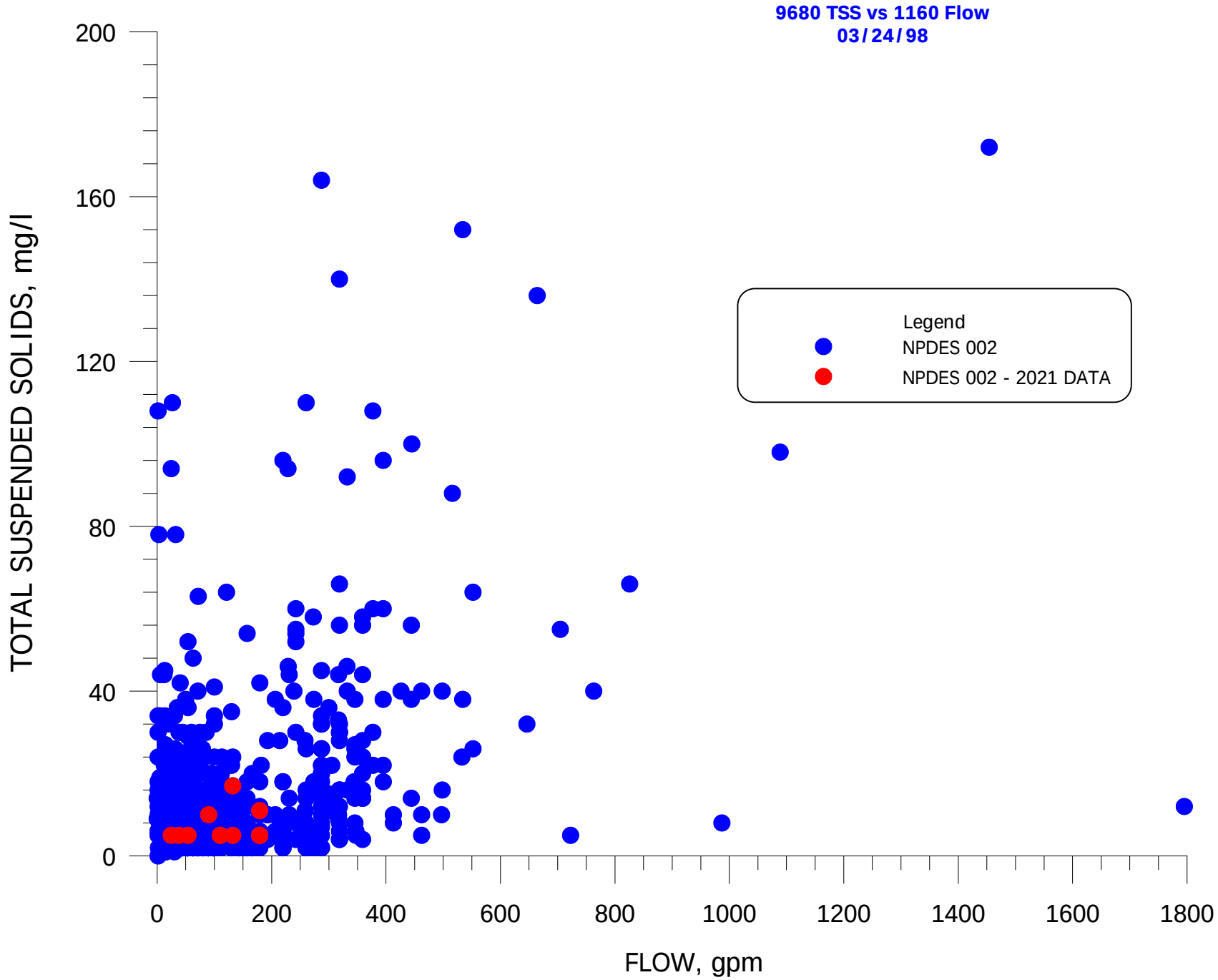

FIGURE C-7. FLOW VERSUS TSS FOR NPDES SITE 002.

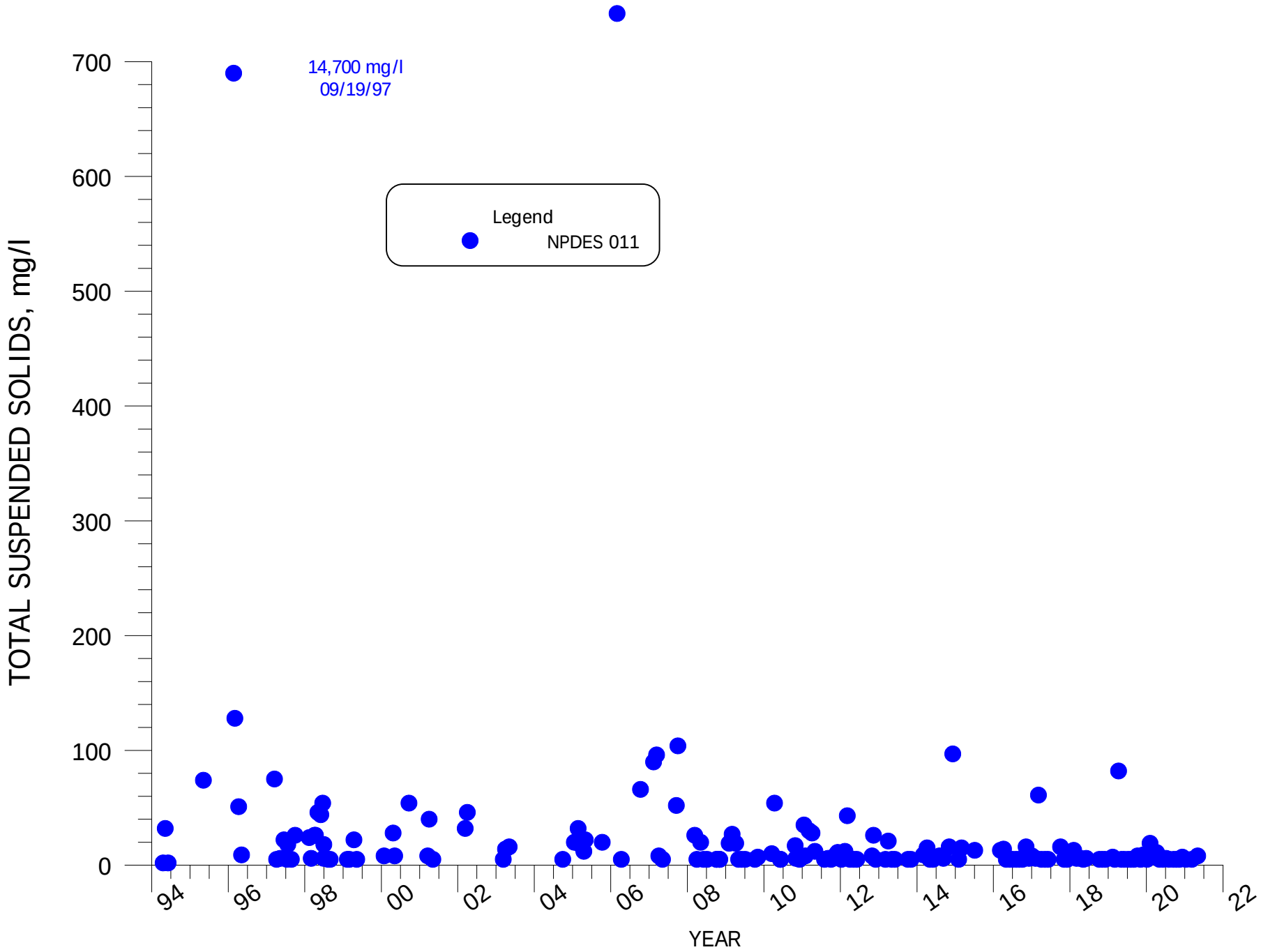

FIGURE C-8. TSS VERSUS TIME FOR NPDES SITE 011.

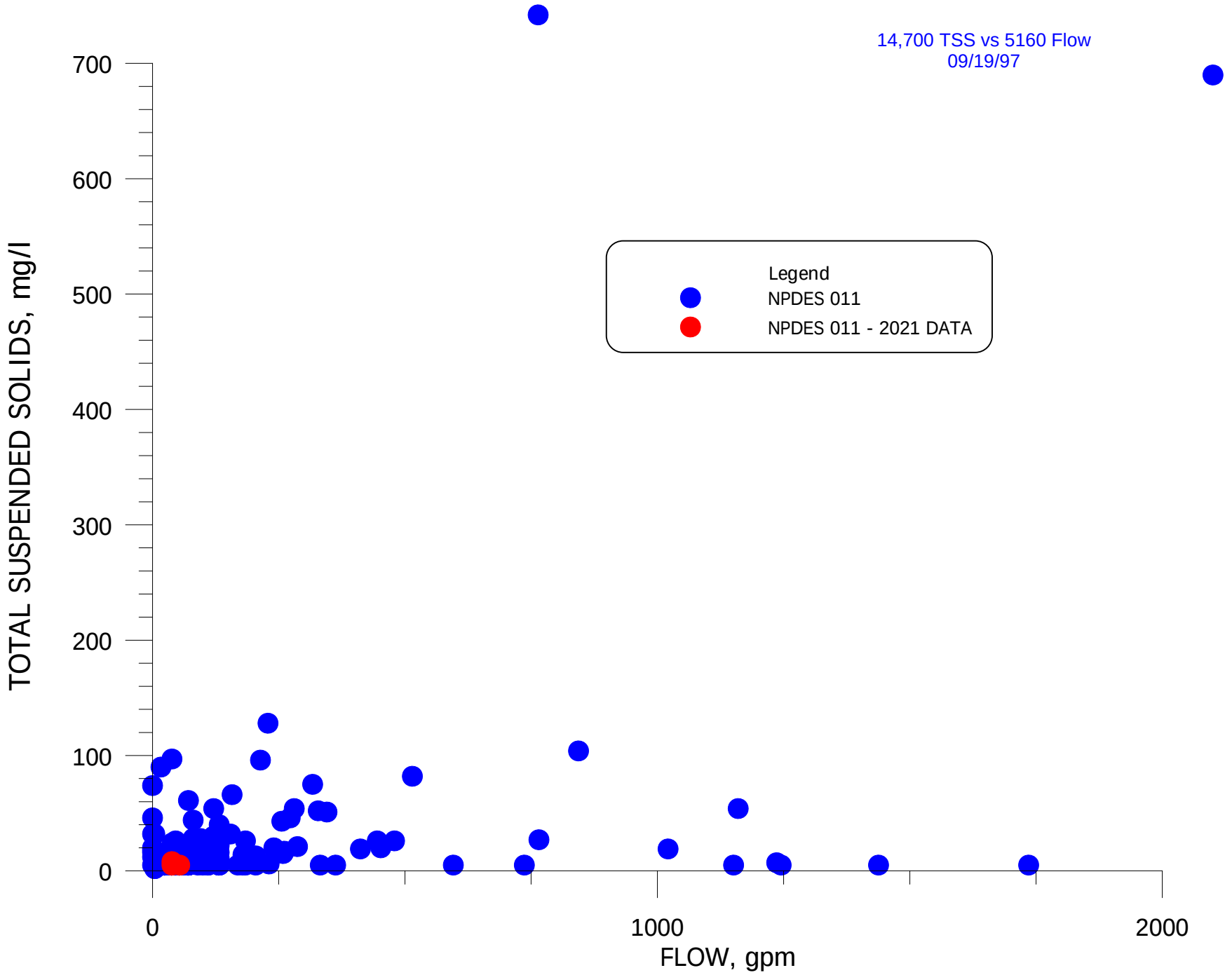

FIGURE C-9. FLOW VERSUS TSS FOR NPDES SITE 011.

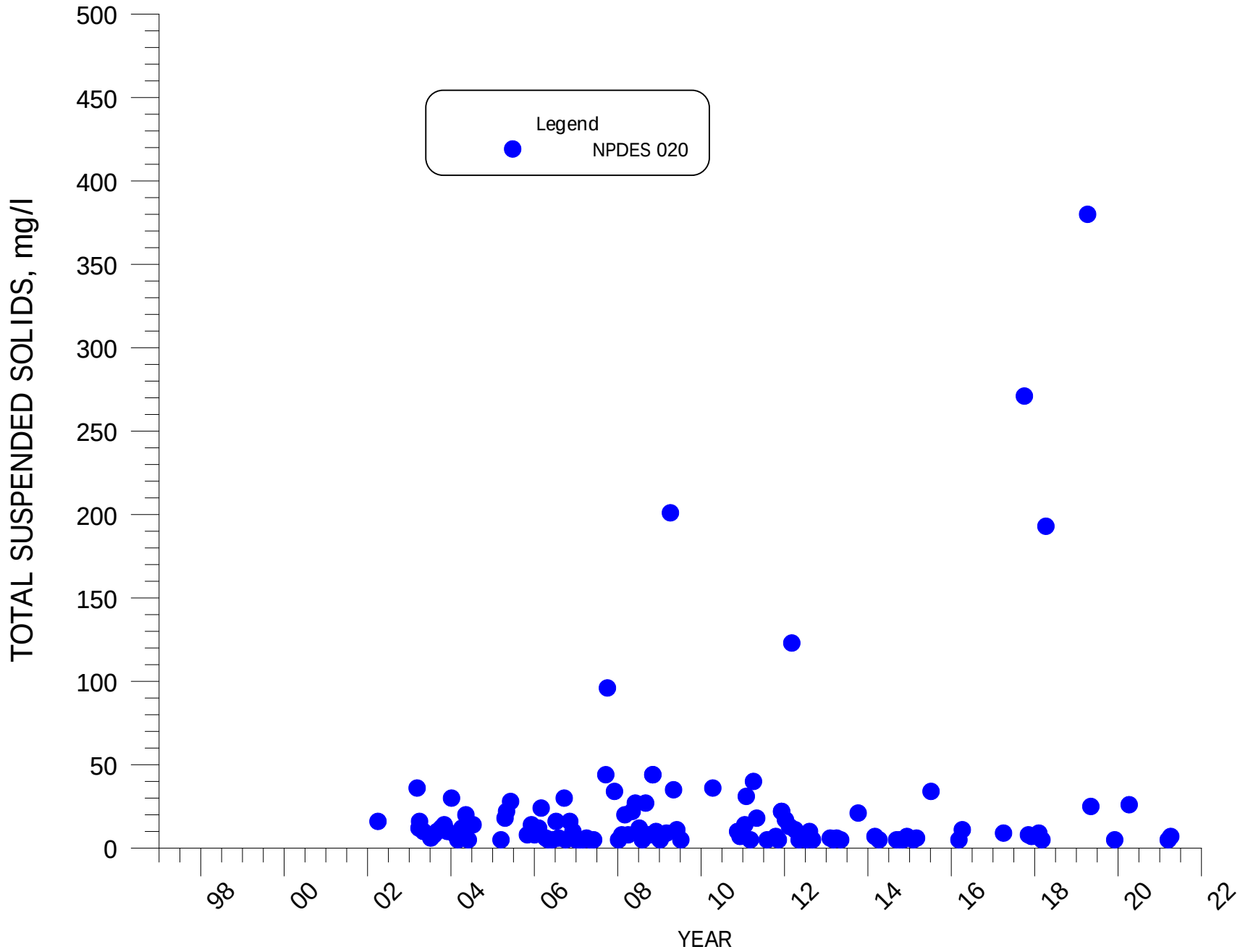

FIGURE C-10. TSS VERSUS TIME FOR NPDES SITE 020.

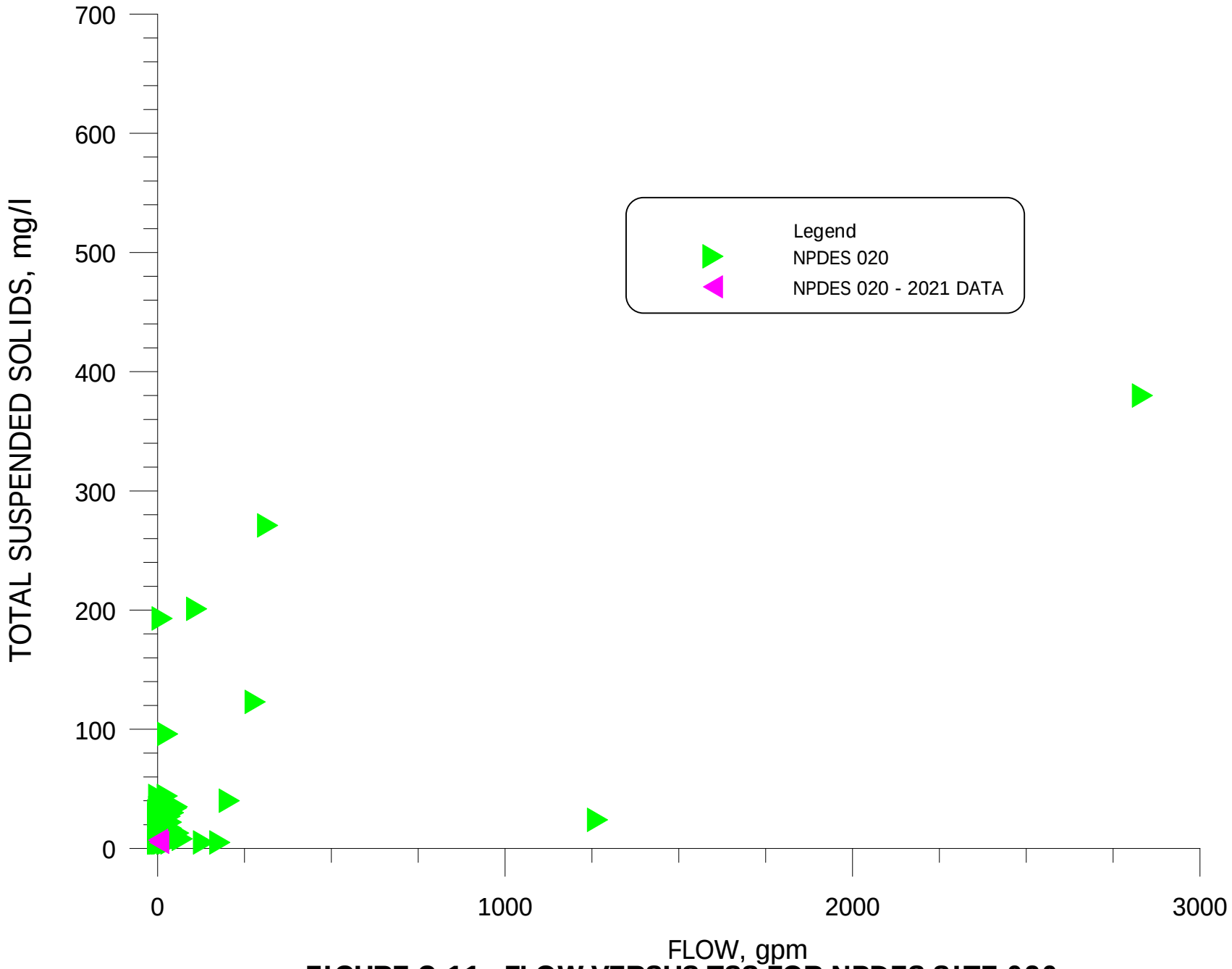

FIGURE C-11. FLOW VERSUS TSS FOR NPDES SITE 020.

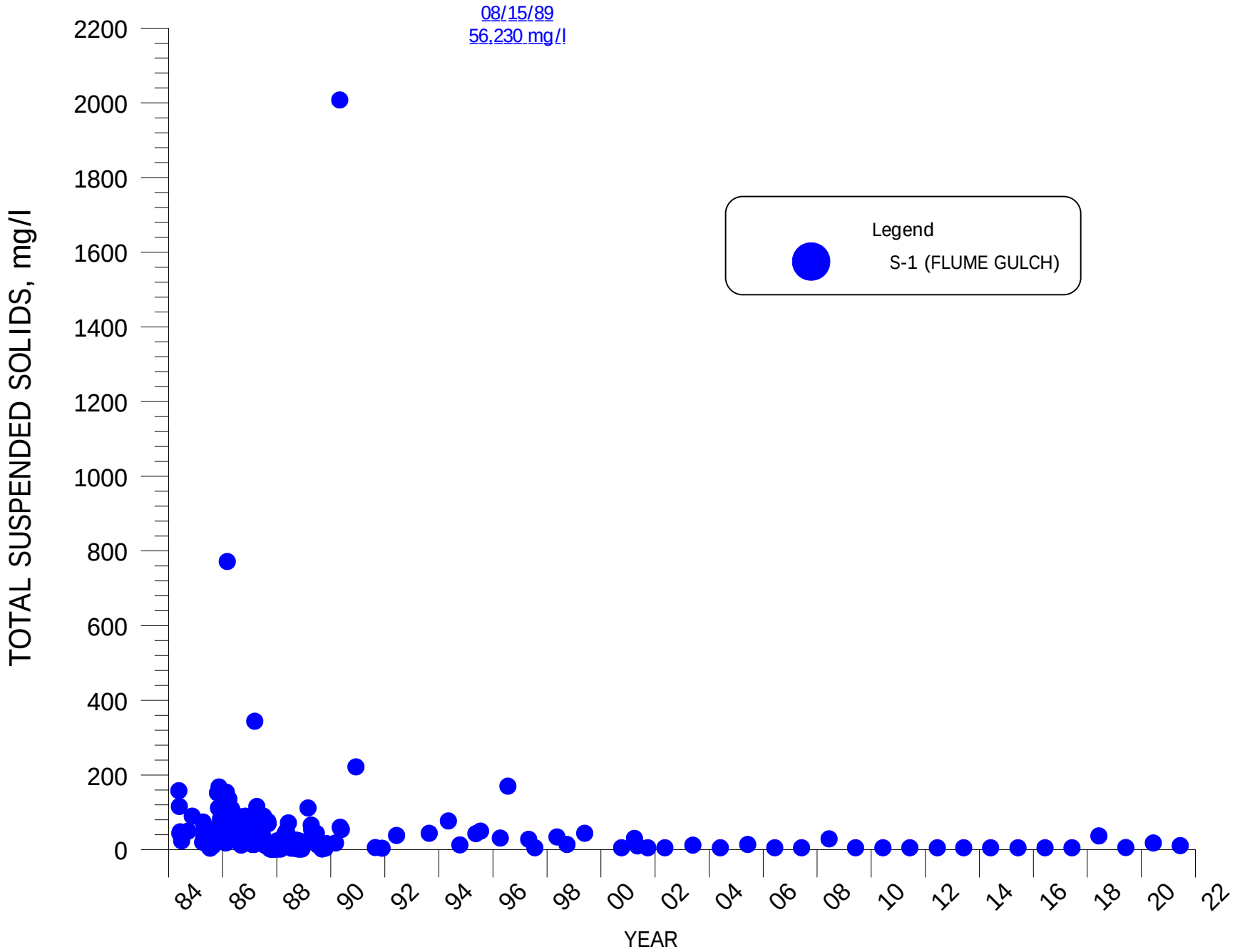

FIGURE C-12. TSS VERSUS TIME FOR SITE S-1 (FLUME GULCH).

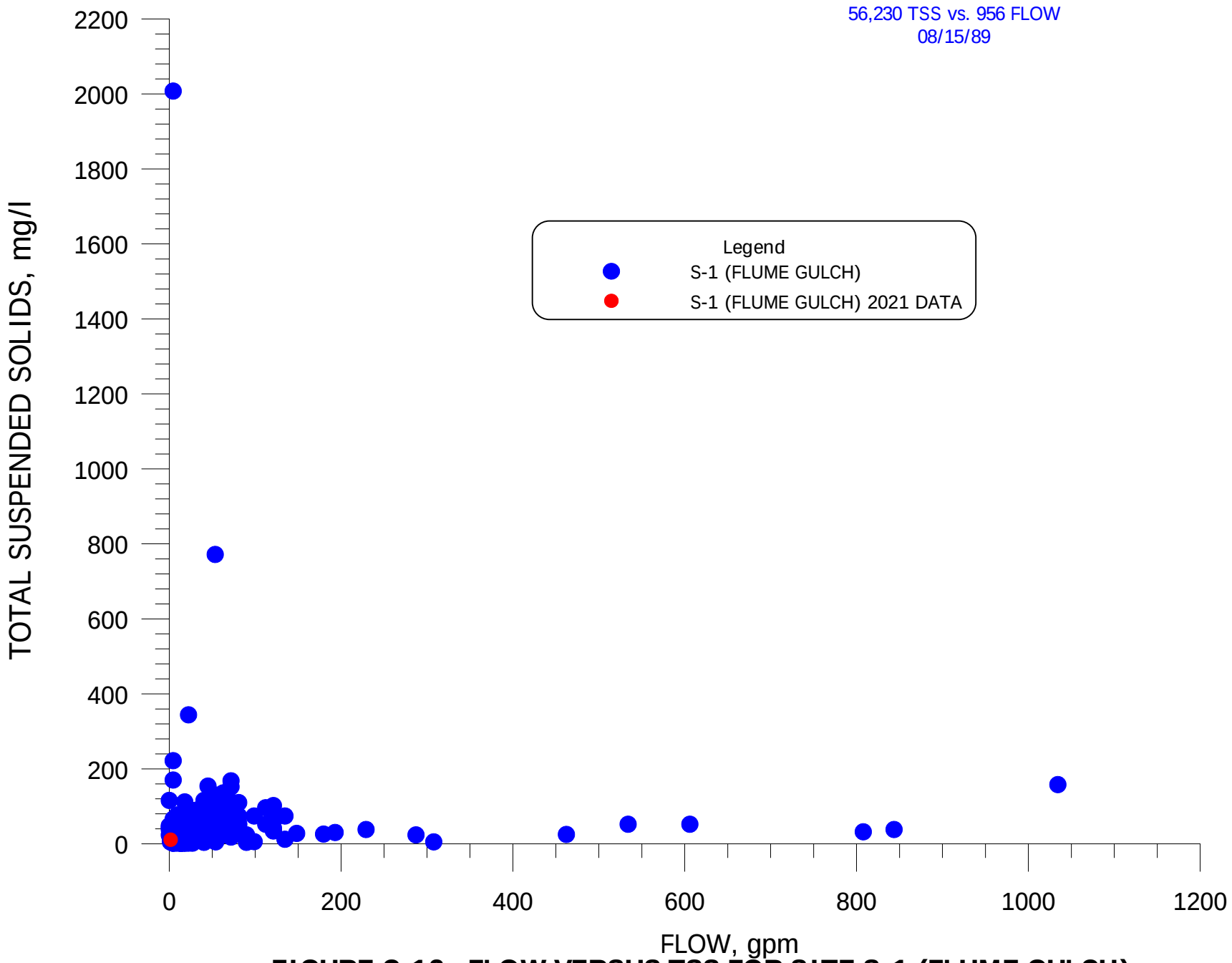

FIGURE C-13. FLOW VERSUS TSS FOR SITE S-1 (FLUME GULCH).

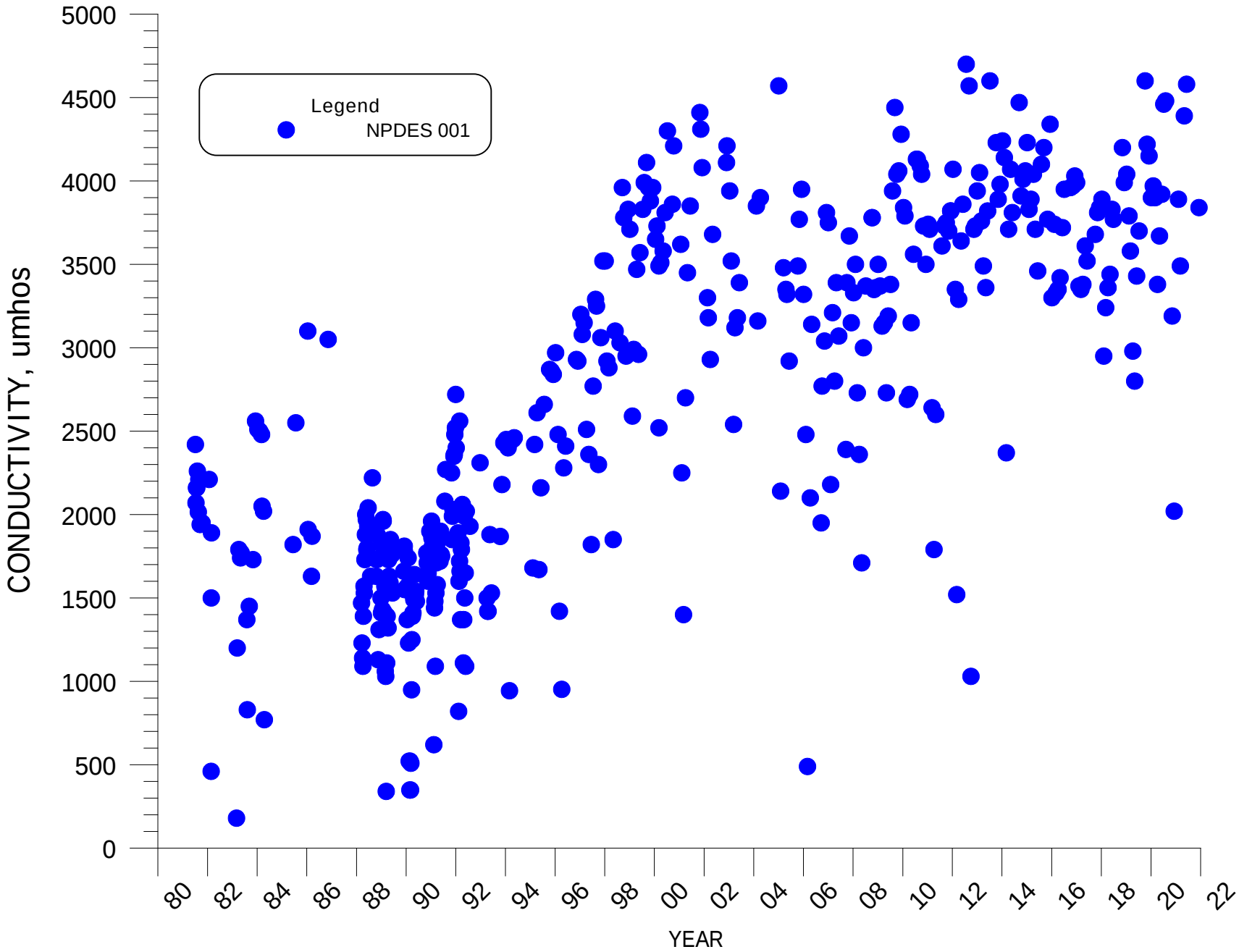

FIGURE C-14. LAB CONDUCTIVITY VERSUS TIME FOR NPDES SITE 001.

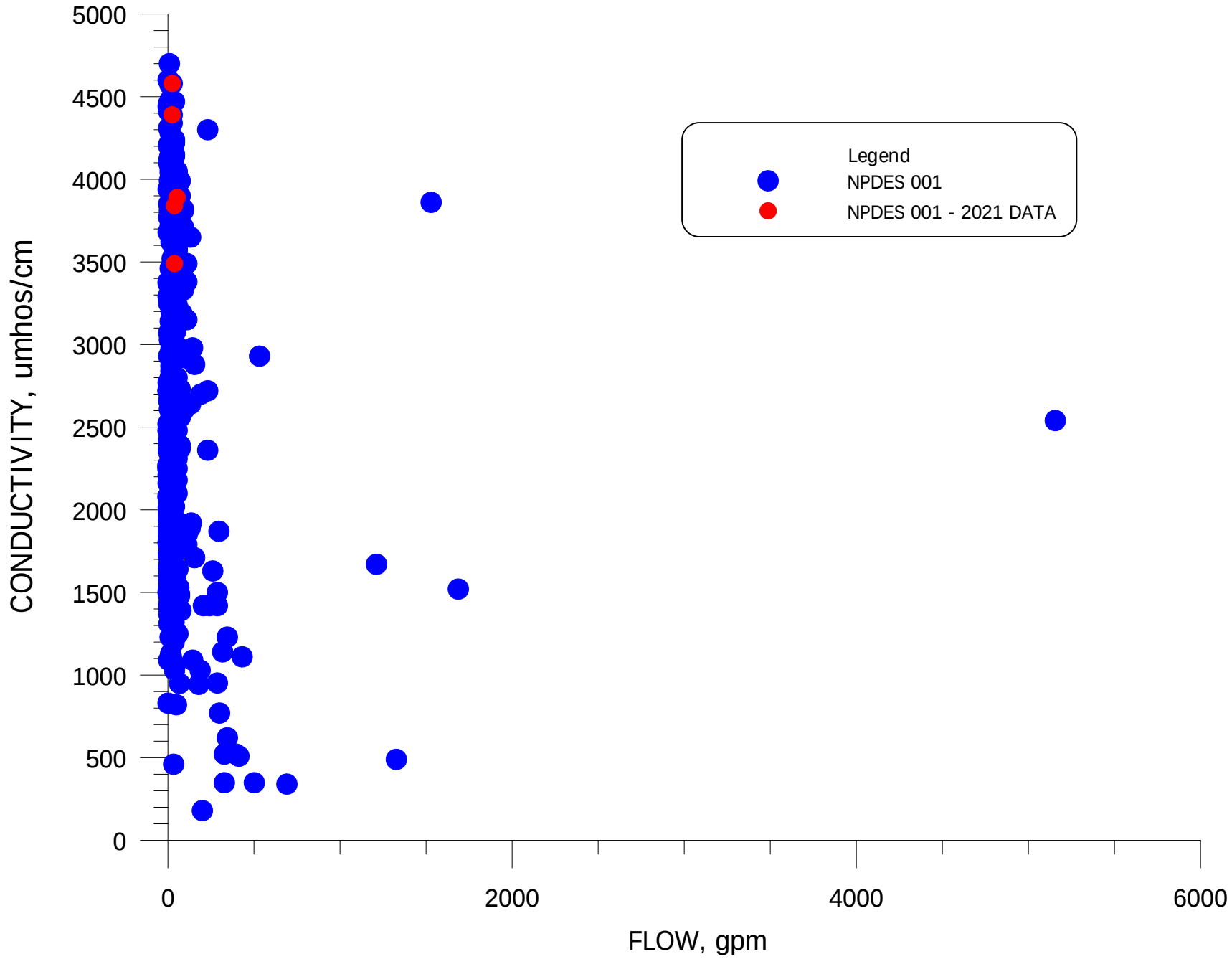

FIGURE C-15. FLOW VERSUS LAB CONDUCTIVITY FOR NPDES SITE 001.

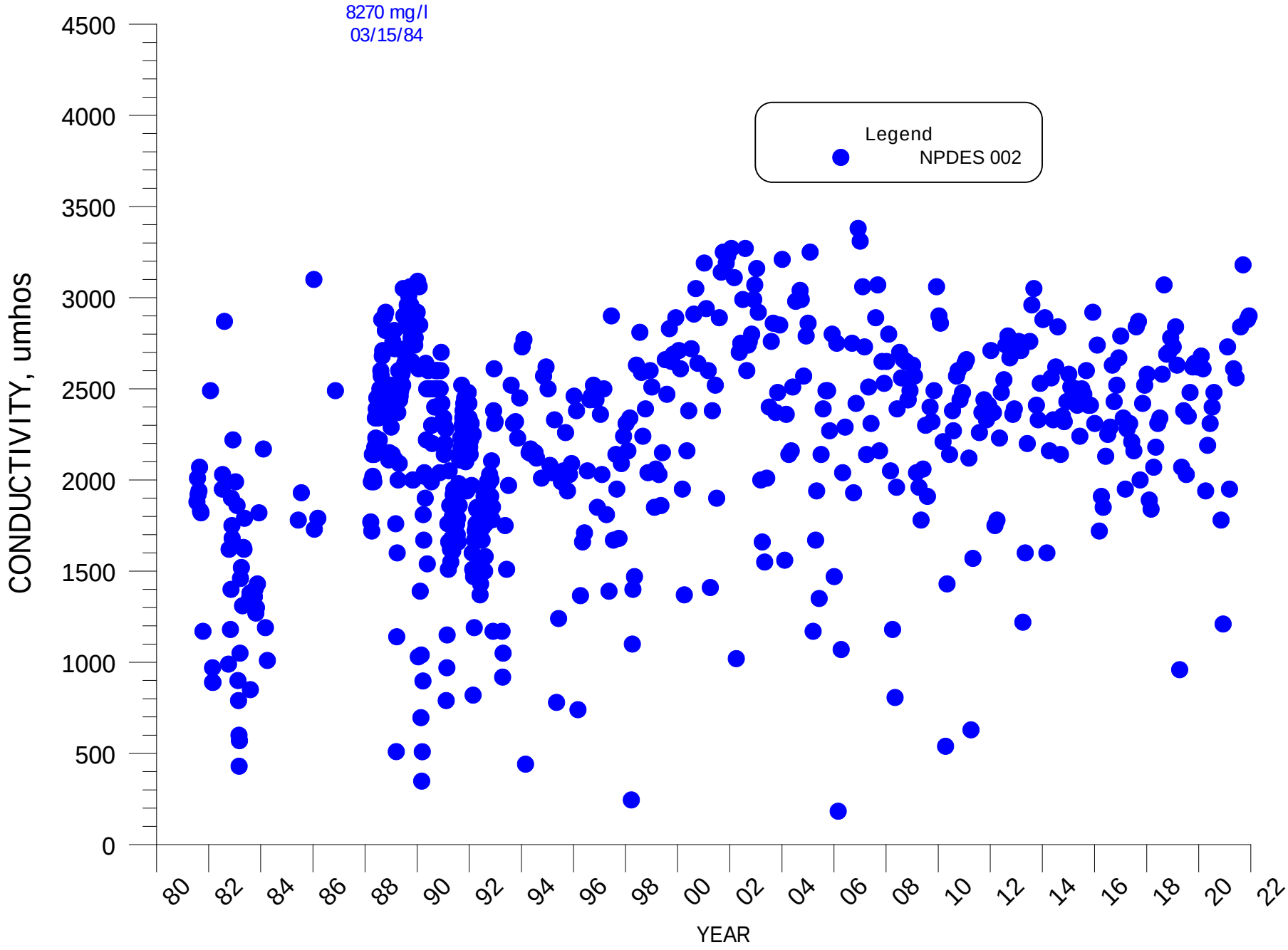

FIGURE C-16. LAB CONDUCTIVITY VERSUS TIME FOR NPDES SITE 002.

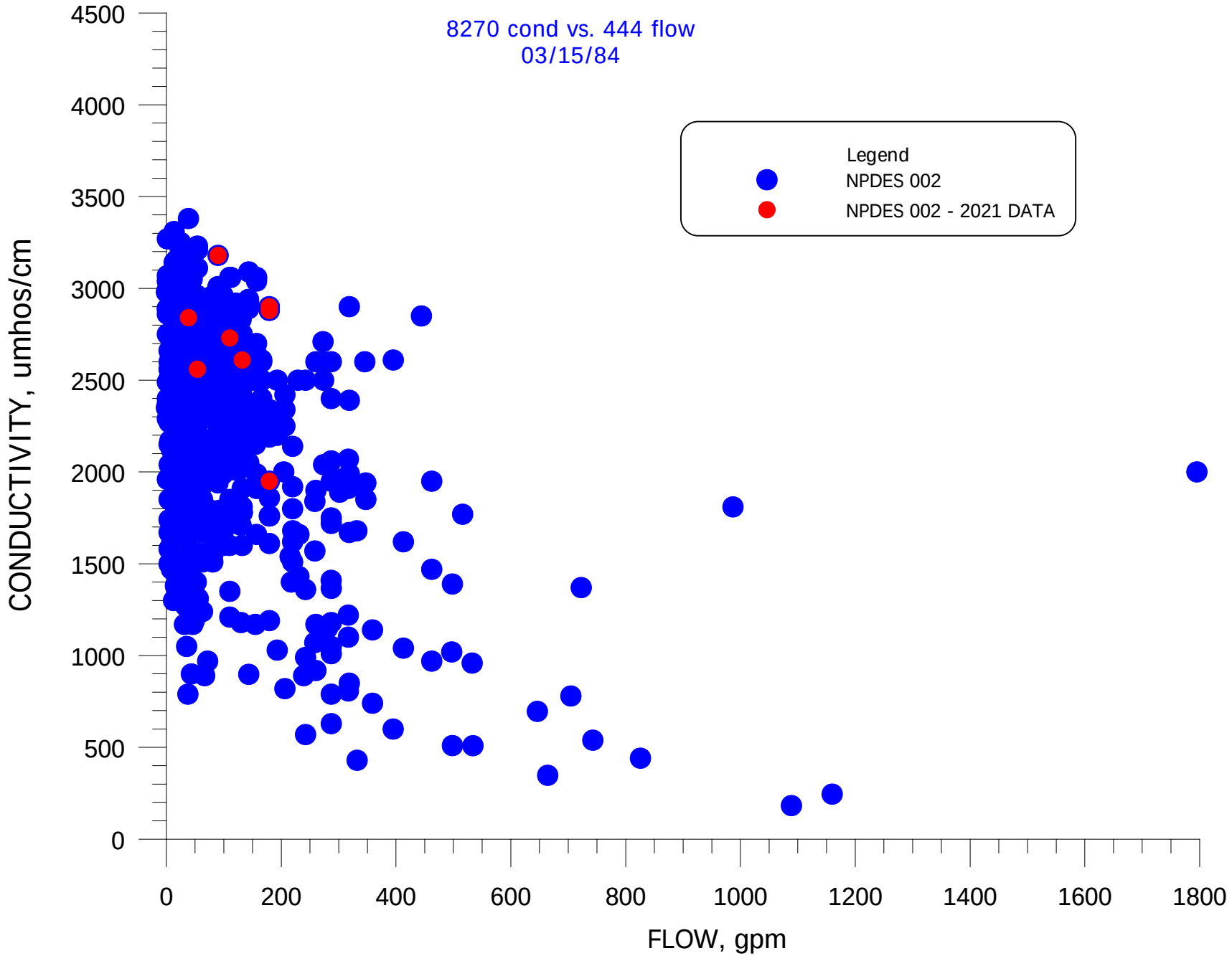

FIGURE C-17. FLOW VERSUS LAB CONDUCTIVITY FOR NPDES SITE 002.

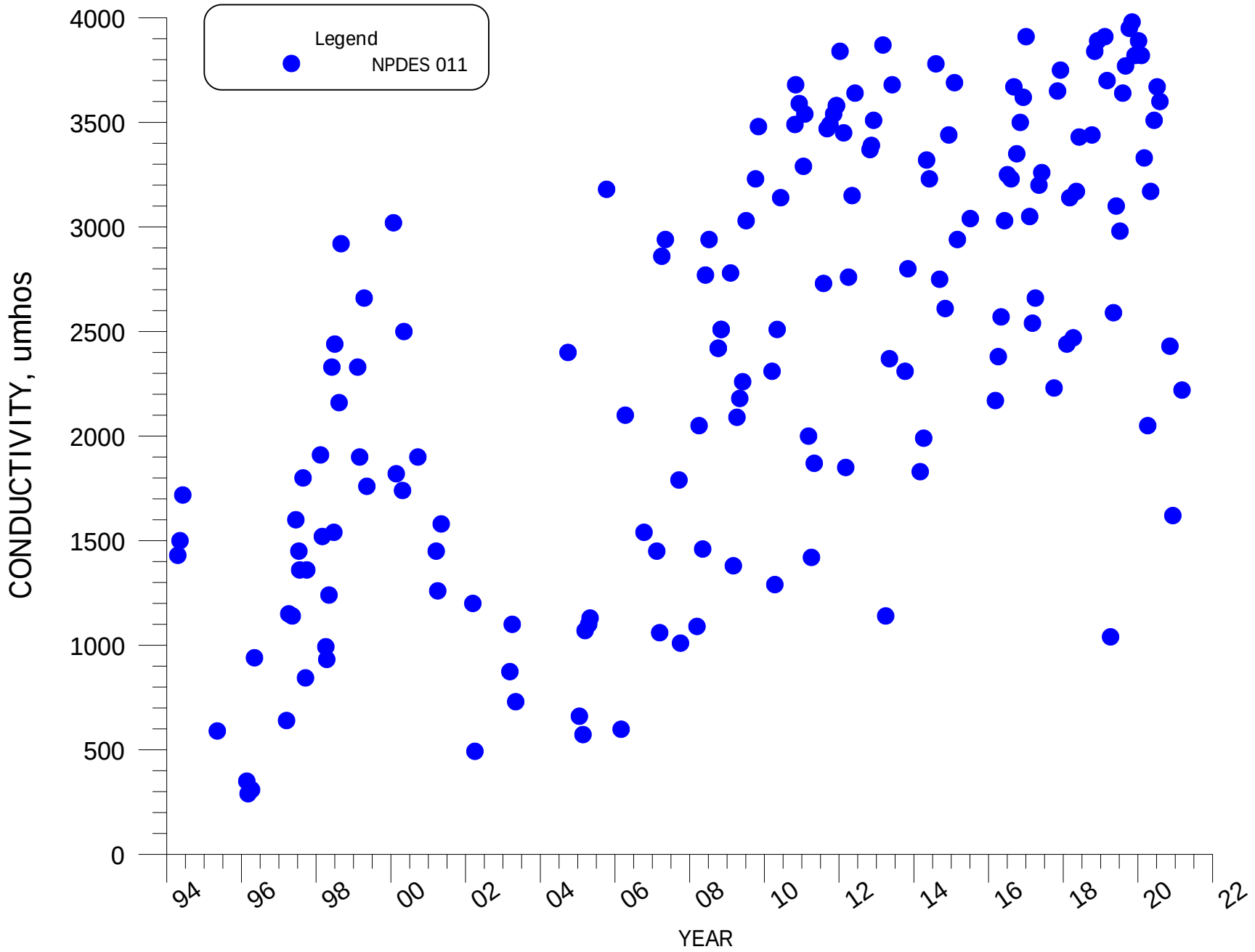

FIGURE C-18. LAB CONDUCTIVITY VERSUS TIME FOR NPDES SITES 011.

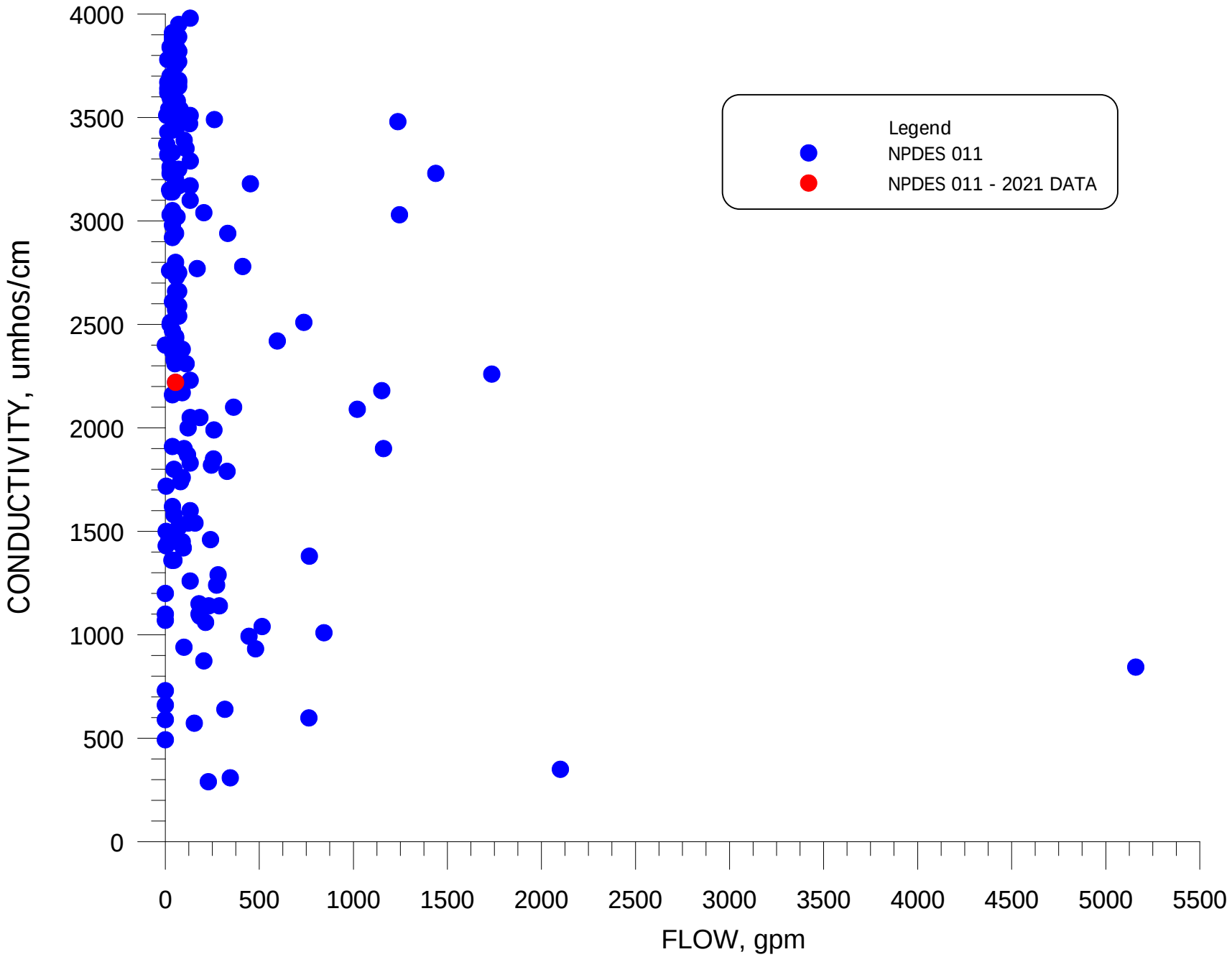

FIGURE C-19. FLOW VERSUS LAB CONDUCTIVITY FOR NPDES SITES 011.

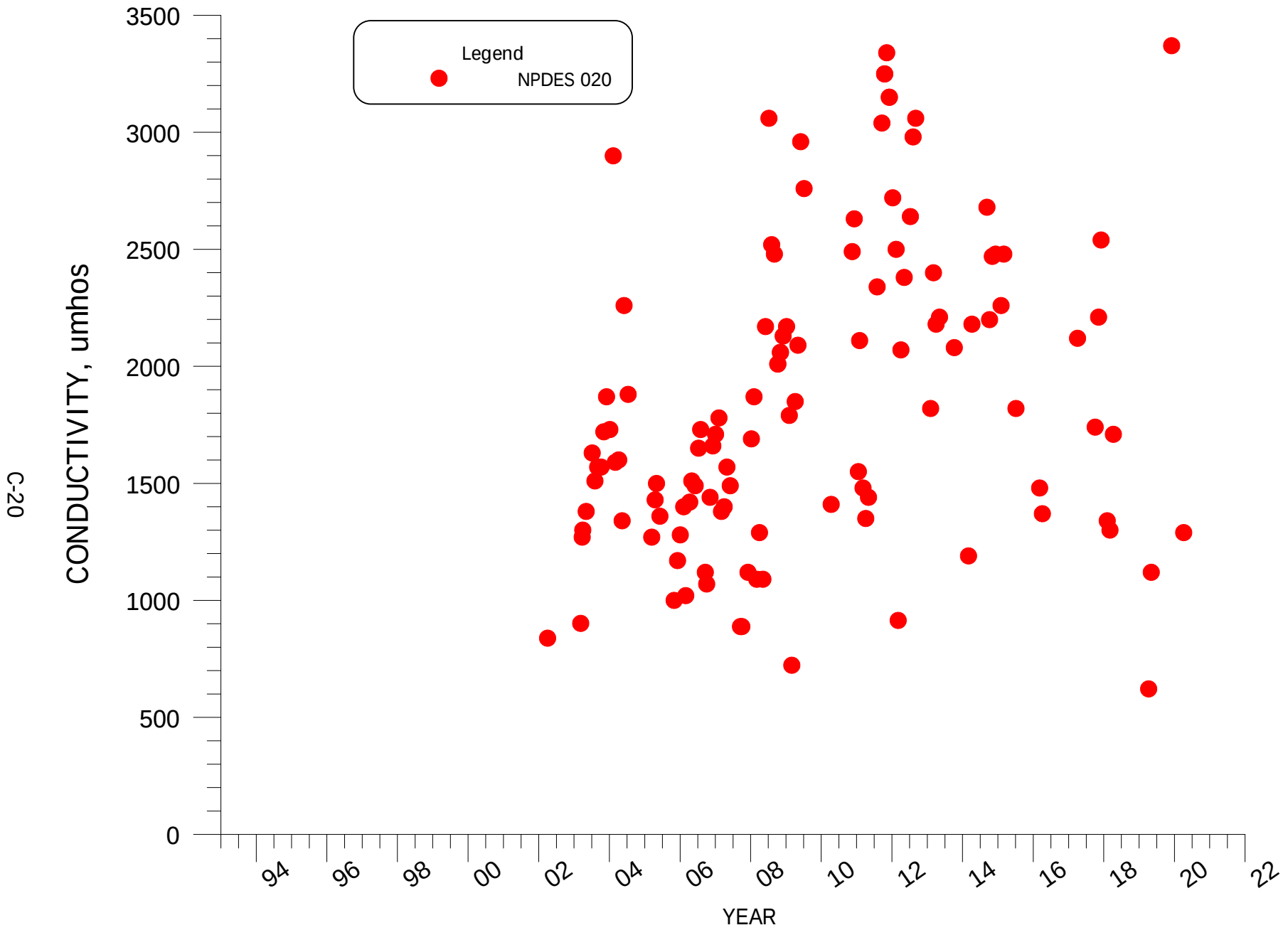

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FIGURE C-20. LAB CONDUCTIVITY VERSUS TIME FOR NPDES SITE 020.

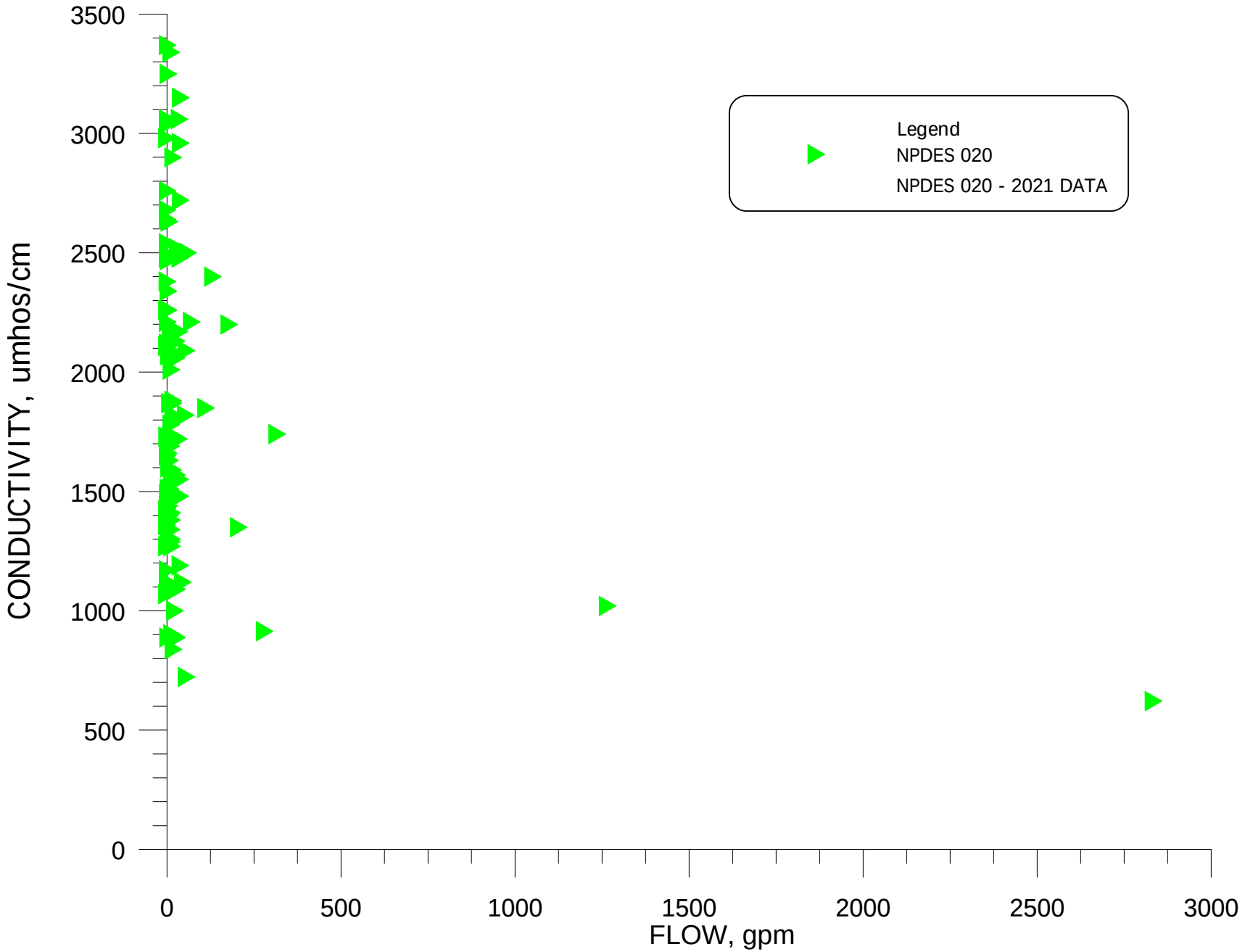

FIGURE C-21. FLOW VERSUS LAB CONDUCTIVITY FOR NPDES SITE 020.

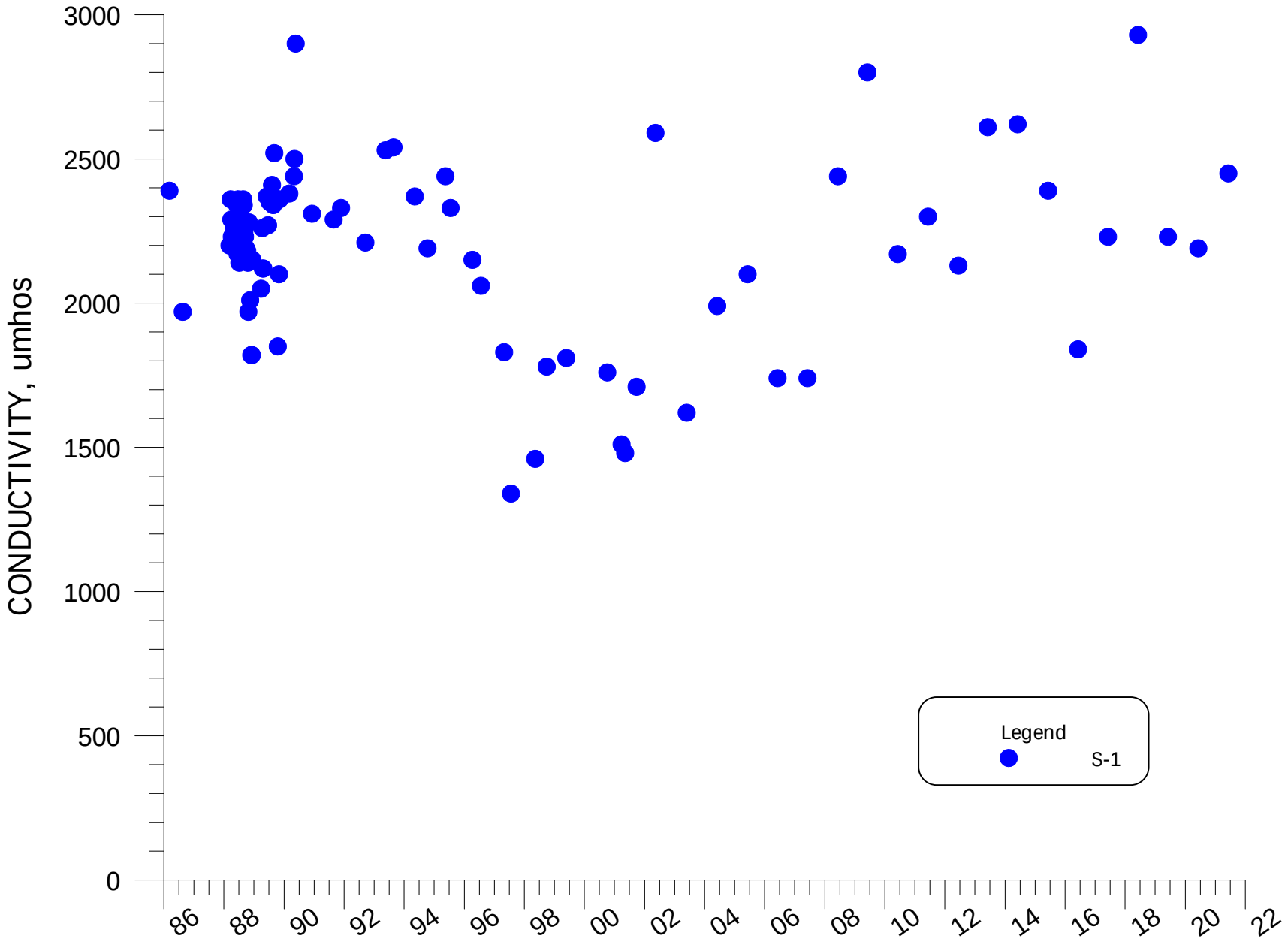

FIGURE C-22. LAB CONDUCTIVITY VERSUS TIME FOR SITE S-1 (FLUME GULCH).

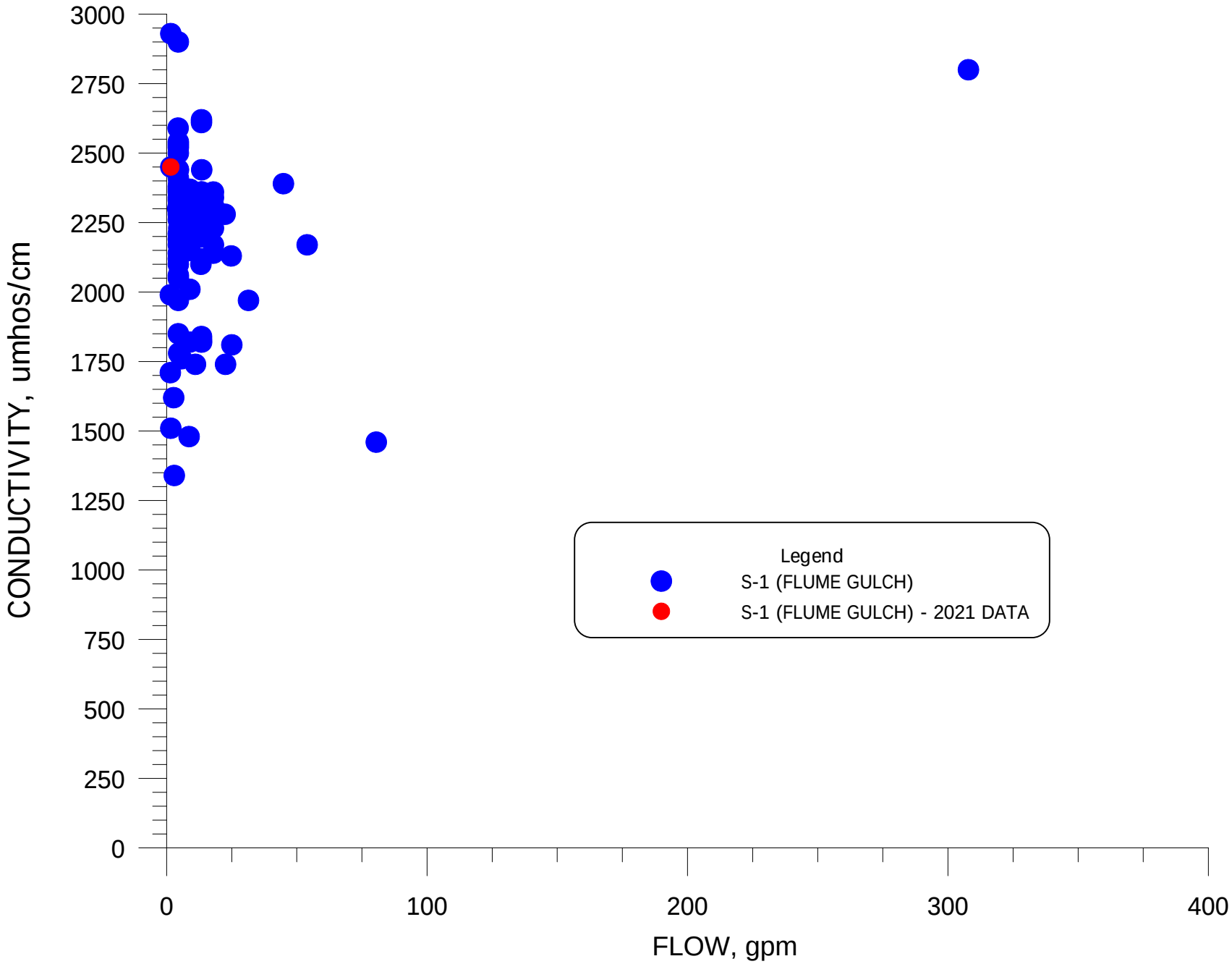

FIGURE C-23. FLOW VERSUS LAB CONDUCTIVITY FOR SITE S-1 (FLUME GULCH).

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA.

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 001	1/3/2012	4.0	54.0	8.30	4120	---	---	---	---	---	---	---
	1/10/2012	3.0	38.4	8.60	4340	4070	5	< 0.1	3770	< 0.04	0.13	0.07
	1/17/2012	1.0	38.4	8.60	4430	---	---	---	---	---	---	---
	1/24/2012	2.0	54.0	8.70	3910	---	---	---	---	---	---	---
	1/31/2012	3.0	38.4	8.50	4050	---	---	---	---	---	---	---
	2/7/2012	2.0	38.4	8.60	4180	---	---	---	---	---	---	---
	2/14/2012	2.0	54.0	8.70	3810	3350	9	< 0.1	---	---	0.29	---
	2/21/2012	1.0	38.4	8.80	3880	---	---	---	---	---	---	---
	2/28/2012	1.0	204.5	8.70	2030	---	---	---	---	---	---	---
	3/6/2012	3.0	1687.1	8.30	1590	1520	490	0.1	---	---	18.30	---
	3/13/2012	7.0	179.2	7.90	1740	---	---	---	---	---	---	---
	3/19/2012	5.0	71.2	8.40	2470	---	---	---	---	---	---	---
	3/27/2012	12.0	38.4	8.40	3100	---	---	---	---	---	---	---
	4/3/2012	11.0	38.4	8.30	3450	3290	7	< 0.1	2880	---	0.23	---
	4/10/2012	18.0	38.4	8.40	3640	---	---	---	---	---	---	---
	4/17/2012	11.0	38.4	8.50	3770	---	---	---	---	---	---	---
	4/24/2012	20.0	38.4	8.40	3840	---	---	---	---	---	---	---
	5/1/2012	13.0	38.4	8.50	3890	---	---	---	---	---	---	---
	5/8/2012	19.0	38.4	8.60	3880	3640	7	< 0.1	---	---	0.12	---
	5/15/2012	21.0	38.4	8.70	3900	---	---	---	---	---	---	---
	5/22/2012	15.0	38.4	8.60	3930	---	---	---	---	---	---	---
	5/29/2012	11.0	31.4	8.70	3990	---	---	---	---	---	---	---
	6/5/2012	14.0	54.0	8.70	3980	3860	5	< 0.1	---	---	0.09	---
	6/12/2012	13.0	38.4	8.60	4130	---	---	---	---	---	---	---
	6/19/2012	12.0	38.4	8.60	4290	---	---	---	---	---	---	---
	7/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	7/17/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	7/24/2012	17.0	8.6	6.70	5300	4700	5	< 0.1	4310	0.10	0.60	0.50
	7/31/2012	15.0	1.6	6.50	4870	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 001	8/7/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	8/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/4/2012	24.0	13.4	8.70	4790	4570	9	< 0.1	---	---	0.10	---
	9/11/2012	17.0	13.4	8.90	4650	---	---	---	---	---	---	---
	9/18/2012	21.0	13.4	8.80	4690	---	---	---	---	---	---	---
	9/25/2012	14.0	13.4	8.60	4570	---	---	---	---	---	---	---
	10/2/2012	21.0	38.4	8.60	4480	1030	6	< 0.1	4120	---	0.13	---
	10/9/2012	14.0	24.8	8.40	4430	---	---	---	---	---	---	---
	10/16/2012	12.0	24.8	8.50	4290	---	---	---	---	---	---	---
	10/23/2012	10.0	18.8	8.50	4320	---	---	---	---	---	---	---
	10/30/2012	12.0	24.8	8.40	4210	---	---	---	---	---	---	---
	11/6/2012	11.0	24.8	8.40	4180	---	---	---	---	---	---	---
	11/13/2012	5.0	24.8	8.60	4260	3710	5	< 0.1	---	---	0.18	---
	11/20/2012	8.0	24.8	8.40	4170	---	---	---	---	---	---	---
	11/27/2012	3.0	24.8	8.40	4190	---	---	---	---	---	---	---
	12/4/2012	3.0	38.4	8.50	4160	3730	< 5	< 0.1	---	---	0.11	---
	12/11/2012	1.0	38.4	8.40	4270	---	---	---	---	---	---	---
	12/18/2012	1.0	54.0	8.30	4320	---	---	---	---	---	---	---
	12/26/2012	0.0	24.8	8.20	4450	---	---	---	---	---	---	---
	1/2/2013	0.0	24.8	8.20	4330	3940	6	< 0.1	3820	< 0.02	0.13	0.08
	1/8/2013	0.0	24.8	8.20	4280	---	---	---	---	---	---	---
	1/15/2013	0.0	24.8	8.10	4390	---	---	---	---	---	---	---
	1/22/2013	0.0	38.4	8.10	4370	---	---	---	---	---	---	---
	1/29/2013	0.0	54.0	8.10	4091	---	---	---	---	---	---	---
	2/5/2013	1.0	54.0	8.10	4200	4050	< 5	< 0.1	---	---	0.17	---
	3/6/2013	1.0	54.0	8.20	3920	3760	< 5	< 0.1	---	---	0.25	---
	4/2/2013	11.0	110.4	8.30	3610	3490	37	< 0.1	3120	---	1.09	---
	5/7/2013	17.0	54.0	8.20	3430	3360	6	< 0.1	---	---	0.23	---
	6/4/2013	24.0	38.4	8.60	3910	3820	< 5	< 0.1	---	---	0.09	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 001	7/9/2013	22.0	1.6	9.00	4670	4600	28	< 0.1	4320	---	0.30	---
	8/6/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/8/2013	13.0	38.4	8.50	4200	4230	7	< 0.1	3760	0.05	0.30	0.34
	11/5/2013	5.0	38.4	8.40	4000	3890	< 5	< 0.1	---	---	0.05	---
	12/3/2013	1.0	38.4	8.40	4070	3980	< 5	< 0.1	---	---	0.09	---
	1/8/2014	0.0	38.4	7.90	4370	4240	< 5	< 0.1	3810	< 0.02	0.14	0.11
	2/4/2014	0.0	38.4	8.00	4270	4140	< 5	< 0.1	---	---	0.10	---
	3/4/2014	5.0	71.2	8.30	2450	2370	5	< 0.1	---	---	0.15	---
	4/8/2014	13.0	38.4	8.20	3730	3710	< 5	< 0.1	3280	---	0.10	---
	5/6/2014	17.0	24.8	8.60	3970	4070	7	< 0.1	---	---	0.16	---
	6/3/2014	17.0	24.8	8.40	3800	3810	6	< 0.1	---	---	0.09	---
	7/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	8/5/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/10/2014	16.0	38.4	8.20	4500	4470	6	< 0.1	3860	< 0.02	0.09	< 0.06
	10/8/2014	19.0	38.4	8.50	3940	3910	< 5	< 0.1	3260	---	0.06	---
	11/4/2014	9.0	38.4	8.40	4070	4010	5	< 0.1	---	---	0.13	---
	12/9/2014	3.0	24.8	8.10	4170	4060	5	< 0.1	---	---	0.10	---
	1/6/2015	1.0	24.8	8.00	4380	4230	6	< 0.1	3700	< 0.04	0.20	0.19
	2/3/2015	2.0	38.4	8.30	3890	3830	6	< 0.1	---	---	0.18	---
	3/3/2015	6.0	54.0	8.10	3860	3890	9	< 0.1	---	---	0.25	---
	4/7/2015	13.0	54.0	8.30	3920	4040	< 5	< 0.1	3450	---	0.14	---
	5/5/2015	19.0	38.4	8.40	3560	3710	5	< 0.1	---	---	0.14	---
	6/9/2015	27.0	13.4	8.90	3010	3460	6	< 0.1	---	---	0.15	---
	7/7/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	8/4/2015	22.0	4.7	8.60	4400	4100	9	< 0.1	3930	< 0.04	0.09	< 0.06
	9/8/2015	20.0	4.7	8.10	4610	4200	13	< 0.1	---	---	0.50	---
	10/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/4/2015	11.0	38.4	8.70	4310	3770	11	< 0.1	3640	---	0.24	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 001	12/8/2015	5.0	24.8	8.30	4140	4340	8	< 0.1	---	---	0.18	---
	1/5/2016	2.0	24.8	8.10	4110	3300	< 5	< 0.1	3670	0.05	0.28	< 0.06
	2/9/2016	2.0	24.8	8.10	4030	3740	7	< 0.1	---	---	0.28	---
	3/8/2016	6.0	90.1	8.20	3410	3330	7	< 0.1	---	---	0.29	---
	4/6/2016	11.0	71.2	8.40	3570	3350	10	< 0.1	3180	---	0.21	---
	5/3/2016	18.0	24.8	8.30	3580	3420	< 5	< 0.1	---	---	0.11	---
	6/7/2016	26.0	13.4	8.70	3840	3720	< 5	< 0.1	---	---	0.13	---
	7/5/2016	26.0	13.4	9.00	4250	3950	7	< 0.1	3630	< 0.04	0.05	< 0.06
	8/9/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/6/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/4/2016	14.0	13.4	9.00	4440	3960	< 5	< 0.1	3810	---	0.13	---
	11/8/2016	13.0	13.4	8.90	4250	3970	9	< 0.1	---	---	0.05	---
	12/7/2016	3.0	24.8	8.30	4280	4030	< 5	< 0.1	---	---	0.06	---
	1/3/2017	2.0	71.2	8.10	4250	3990	7	< 0.1	3660	< 0.04	0.23	0.29
	2/7/2017	4.0	54.0	8.10	3670	3370	9	< 0.1	---	---	0.25	---
	3/7/2017	4.0	54.0	8.40	3500	3350	10	< 0.1	---	---	0.35	---
	4/4/2017	11.0	90.1	8.30	3750	3380	23	< 0.1	3230	---	0.51	---
	5/9/2017	24.0	38.4	8.40	3640	3610	5	< 0.1	---	---	0.07	---
	6/6/2017	30.0	38.4	8.80	3780	3520	< 5	< 0.1	---	---	0.08	---
	7/6/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/7/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/3/2017	6.0	90.1	8.50	3630	3680	11	< 0.1	3110	0.13	0.36	0.64
	11/7/2017	8.0	90.1	8.60	3800	3810	5	< 0.1	---	---	0.07	---
	12/5/2017	5.0	38.4	8.50	3840	3840	10	< 0.1	---	---	0.38	---
	1/9/2018	3.0	38.4	8.40	3840	3890	< 5	< 0.1	3640	< 0.04	0.13	< 0.06
	2/6/2018	3.0	71.2	8.40	2930	2950	8	< 0.1	---	---	0.22	---
	3/6/2018	5.0	54.0	8.40	3150	3240	8	< 0.1	---	---	0.13	---
	4/10/2018	15.0	54.0	8.50	3440	3360	15	< 0.1	3010	---	0.16	---
	5/9/2018	21.0	38.4	8.40	3610	3440	< 5	< 0.1	---	---	0.12	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 001	6/6/2018	25.0	24.8	8.50	3930	3830	45	< 0.1	---	---	1.47	---
	6/26/2018	---	---	---	---	3770	8	< 0.1	---	---	0.07	---
	7/5/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/6/2018	5.0	24.8	8.00	4460	4200	< 5	< 0.1	3700	< 0.02	< 0.04	< 0.06
	12/4/2018	5.0	38.4	7.70	4560	3990	5	< 0.1	---	---	0.11	---
	1/8/2019	5.0	24.8	7.70	4640	4040	< 5	< 0.1	3590	< 0.04	0.12	0.06
	2/12/2019	2.0	38.4	7.50	3940	3790	< 5	< 0.1	---	---	0.13	---
	3/5/2019	2.0	54.0	7.70	3820	3580	5	< 0.1	---	---	0.15	---
	4/9/2019	12.0	143.3	7.90	3140	2980	8	< 0.1	2590	---	0.22	---
	5/7/2019	19.0	54.0	8.30	2960	2800	8	< 0.1	---	---	0.22	---
	6/4/2019	25.0	38.4	8.60	3630	3430	9	< 0.1	---	---	0.14	---
	7/10/2019	28.0	13.4	9.00	3990	3700	8	< 0.1	3300	< 0.06	0.14	0.20
	8/6/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/8/2019	13.0	4.7	8.90	4650	4600	6	< 0.1	3920	---	0.09	---
	11/5/2019	5.0	38.4	7.70	4290	4220	9	< 0.1	---	---	0.13	---
	12/3/2019	5.0	38.4	7.90	4500	4150	< 5	< 0.1	---	---	0.11	---
	1/7/2020	4.0	38.4	7.90	4380	3900	< 5	< 0.1	3530	< 0.06	0.20	< 0.10
	2/4/2020	1.0	38.4	7.80	4160	3970	6	< 0.1	---	---	0.19	---
	3/3/2020	2.0	71.2	7.70	4040	3900	10	< 0.1	---	---	0.36	---
	4/7/2020	15.0	110.4	8.20	3370	3380	18	< 0.1	2990	---	0.50	---
	5/5/2020	19.0	54.0	8.20	3680	3670	12	< 0.1	---	---	0.40	---
	6/9/2020	20.0	38.4	9.00	3920	3920	< 5	< 0.1	---	---	1.70	---
	7/7/2020	23.0	4.7	8.70	4410	4460	11	< 0.1	3980	< 0.10	0.30	0.10
	8/4/2020	22.0	13.4	9.00	4530	4480	7	< 0.1	---	---	< 0.10	---
	9/16/2020	18.0	13.4	9.00	4710	---	< 5	< 0.1	4040	---	0.02	0.01
	10/14/2020	14.0	38.4	8.90	4780	---	8	< 0.1	4140	---	0.06	0.04
	11/10/2020	4.0	38.4	8.10	4490	3190	12	< 0.1	---	---	0.12	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 001	12/8/2020	3.0	38.4	7.70	4830	2020	12	< 0.1	---	---	0.16	---
	1/12/2021	1.0	38.4	7.60	4170	---	< 5	< 0.1	3690	---	0.17	0.09
	2/9/2021	1.0	54.0	8.00	4040	3890	< 5	< 0.1	---	---	< 0.12	---
	3/9/2021	7.0	38.4	7.60	3580	3490	5	< 0.1	---	---	0.19	---
	4/7/2021	15.0	38.4	7.90	4090	---	8	< 0.1	3630	---	0.16	0.11
	5/4/2021	15.0	24.8	8.20	4330	4390	11	< 0.1	---	---	0.16	---
	6/9/2021	26.0	24.8	9.00	4560	4580	11	< 0.1	---	---	0.12	---
	7/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/5/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/16/2021	9.0	24.8	8.10	5050	---	6	< 0.1	4320	---	0.18	0.13
	12/7/2021	5.0	@ 38.4	8.00	4100	3840	< 5	< 0.1	---	---	< 0.12	---
NPDES 002	1/3/2012	3.0	110.4	8.50	2900	---	---	---	---	---	---	---
	1/10/2012	2.0	110.4	8.50	3030	2710	6	< 0.1	2390	0.03	0.12	0.08
	1/17/2012	1.0	110.4	8.40	3030	---	---	---	---	---	---	---
	1/24/2012	2.0	110.4	8.50	2180	---	---	---	---	---	---	---
	1/31/2012	3.0	132.0	8.30	2630	---	---	---	---	---	---	---
	2/7/2012	3.0	132.0	8.50	2810	---	---	---	---	---	---	---
	2/14/2012	1.0	155.0	8.60	2720	2370	5	< 0.1	---	---	0.24	---
	2/21/2012	1.0	110.4	8.80	2790	---	---	---	---	---	---	---
	2/28/2012	2.0	132.0	8.50	3450	---	---	---	---	---	---	---
	3/6/2012	3.0	287.3	7.60	1810	1750	18	---	---	---	1.21	---
	3/13/2012	6.0	411.7	7.40	540	---	---	---	---	---	---	---
	3/19/2012	4.0	132.0	8.30	1150	---	---	---	---	---	---	---
	3/27/2012	12.0	71.2	8.30	1720	---	---	---	---	---	---	---
	4/3/2012	11.0	132.0	8.30	1890	1780	7	< 0.1	1380	---	0.41	---
	4/10/2012	17.0	132.0	8.30	1910	---	---	---	---	---	---	---
	4/17/2012	11.0	132.0	8.50	2250	---	---	---	---	---	---	---
	4/24/2012	18.0	132.0	8.30	2340	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 002	5/1/2012	13.0	110.4	8.40	2390	---	---	---	---	---	---	---
	5/8/2012	12.0	110.4	8.30	2440	2230	8	< 0.1	---	---	0.26	---
	5/15/2012	15.0	90.1	8.20	2460	---	---	---	---	---	---	---
	5/22/2012	16.0	90.1	8.10	2510	---	---	---	---	---	---	---
	5/29/2012	13.0	90.1	8.30	2580	---	---	---	---	---	---	---
	6/5/2012	17.0	90.1	8.10	2600	2480	7	< 0.1	---	---	0.18	---
	6/12/2012	15.0	71.2	8.30	2660	---	---	---	---	---	---	---
	6/19/2012	16.0	46.0	8.30	2710	---	---	---	---	---	---	---
	6/26/2012	19.0	46.0	8.40	2740	---	---	---	---	---	---	---
	7/3/2012	18.0	31.4	8.40	2770	---	---	---	---	---	---	---
	7/10/2012	19.0	8.6	8.40	2880	2550	9	< 0.1	2430	---	0.26	---
	7/17/2012	18.0	38.4	8.50	2890	---	---	---	---	---	---	---
	7/24/2012	20.0	31.4	8.40	2880	---	---	---	---	---	---	---
	7/31/2012	19.0	8.6	8.30	2950	---	---	---	---	---	---	---
	8/7/2012	18.0	4.7	8.40	2920	2740	17	< 0.1	---	---	0.45	---
	8/14/2012	16.0	13.4	8.40	2840	---	---	---	---	---	---	---
	8/21/2012	19.0	54.0	8.40	2980	---	---	---	---	---	---	---
	8/28/2012	24.0	54.0	8.20	2980	---	---	---	---	---	---	---
	9/4/2012	22.0	90.1	8.20	2940	2790	11	< 0.1	---	---	0.30	---
	9/11/2012	16.0	90.1	8.50	2840	---	---	---	---	---	---	---
	9/18/2012	18.0	90.1	8.50	2820	---	---	---	---	---	---	---
	9/25/2012	14.0	90.1	8.30	2890	---	---	---	---	---	---	---
	10/2/2012	18.0	90.1	8.10	2740	2670	8	< 0.1	2340	0.03	0.26	0.19
	10/9/2012	12.0	90.1	8.20	2770	---	---	---	---	---	---	---
	10/16/2012	11.0	90.1	8.20	2700	---	---	---	---	---	---	---
	10/23/2012	9.0	90.1	8.30	2660	---	---	---	---	---	---	---
	10/30/2012	8.0	132.0	8.30	2710	---	---	---	---	---	---	---
	11/6/2012	6.0	90.1	8.30	2510	---	---	---	---	---	---	---
	11/13/2012	5.0	90.1	8.40	2330	2360	10	< 0.1	---	---	0.26	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 002	11/20/2012	6.0	90.1	8.30	2700	---	---	---	---	---	---	---
	11/27/2012	5.0	90.1	8.30	2730	---	---	---	---	---	---	---
	12/4/2012	4.0	90.1	8.40	2700	2390	< 5	< 0.1	---	---	0.20	---
	12/11/2012	3.0	90.1	8.30	2780	---	---	---	---	---	---	---
	12/18/2012	2.0	90.1	8.30	2850	---	---	---	---	---	---	---
	12/26/2012	1.0	132.0	8.20	3050	---	---	---	---	---	---	---
	1/2/2013	0.0	132.0	8.20	3020	2750	< 5	< 0.1	2520	< 0.02	0.20	0.11
	1/8/2013	1.0	132.0	8.20	2970	---	---	---	---	---	---	---
	1/15/2013	0.0	132.0	7.80	2960	---	---	---	---	---	---	---
	1/22/2013	1.0	132.0	8.50	2950	---	---	---	---	---	---	---
	1/29/2013	1.0	132.0	8.30	2700	---	---	---	---	---	---	---
	2/5/2013	1.0	90.1	8.10	2880	2760	5	< 0.1	---	---	0.12	---
	3/6/2013	1.0	90.1	8.10	2860	2710	< 5	< 0.1	---	---	0.13	---
	4/2/2013	6.0	316.9	8.30	1280	1220	33	< 0.1	870	---	1.20	---
	5/7/2013	15.0	132.0	8.20	1630	1600	5	< 0.1	---	---	0.26	---
	6/4/2013	21.0	110.4	8.00	2190	2200	13	< 0.1	---	---	0.49	---
	7/9/2013	27.0	38.4	8.10	2900	2760	9	< 0.1	2600	---	0.36	---
	8/6/2013	25.0	54.0	8.40	2980	2960	14	< 0.1	---	---	0.40	---
	9/3/2013	24.0	38.4	8.50	3100	3050	13	< 0.1	---	---	0.29	---
	10/8/2013	8.0	90.1	8.30	2450	2410	7	< 0.1	2010	0.05	0.30	0.30
	11/5/2013	5.0	110.4	8.30	2440	2330	8	< 0.1	---	---	0.21	---
	12/3/2013	2.0	90.1	8.20	2670	2530	5	< 0.1	---	---	0.27	---
	1/8/2014	1.0	90.1	8.20	2870	2880	< 5	< 0.1	2610	0.03	0.18	0.07
	2/4/2014	0.0	90.1	7.80	2890	2890	< 5	< 0.1	---	---	0.14	---
	3/4/2014	4.0	110.4	8.30	1650	1600	< 5	< 0.1	---	---	0.10	---
	4/8/2014	10.0	110.4	8.30	2250	2160	5	< 0.1	1760	---	0.20	---
	5/6/2014	13.0	110.4	8.40	2550	2560	7	< 0.1	---	---	0.14	---
	6/3/2014	21.0	54.0	8.50	2370	2330	6	< 0.1	---	---	0.41	---
	7/8/2014	21.0	38.4	8.40	2700	2620	5	< 0.1	2240	< 0.02	0.16	0.06

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 002	8/5/2014	20.0	38.4	8.30	2920	2840	11	< 0.1	---	---	0.27	---
	9/10/2014	15.0	54.0	8.40	2230	2140	16	< 0.1	---	---	0.29	---
	10/8/2014	10.0	4.7	8.50	2370	2350	8	< 0.1	1860	---	0.22	---
	11/4/2014	10.0	13.4	8.20	1220	2320	11	< 0.1	---	---	0.23	---
	12/9/2014	5.0	38.4	7.50	2590	2430	7	< 0.1	---	---	0.14	---
	1/6/2015	1.0	54.0	8.30	2740	2580	< 5	< 0.1	2120	< 0.04	0.14	0.06
	2/3/2015	3.0	71.2	8.20	2680	2510	40	< 0.1	---	---	1.35	---
	3/3/2015	3.0	132.0	8.20	2550	2460	< 5	< 0.1	---	---	0.12	---
	4/7/2015	13.0	54.0	8.20	2420	2500	10	< 0.1	2010	---	0.24	---
	5/5/2015	18.0	54.0	8.20	2540	2410	< 5	< 0.1	---	---	0.18	---
	6/9/2015	26.0	38.4	8.30	2430	2240	6	< 0.1	---	---	0.37	---
	7/7/2015	21.0	54.0	8.40	2600	2500	6	< 0.1	2030	< 0.04	0.37	0.26
	8/4/2015	26.0	24.8	8.30	2680	2470	25	< 0.1	---	---	0.65	---
	9/8/2015	24.0	54.0	8.30	2770	2600	25	< 0.1	---	---	0.68	---
	10/6/2015	17.0	54.0	8.40	2840	2410	14	< 0.1	2360	---	0.49	---
	11/4/2015	11.0	54.0	8.50	2650	2410	9	< 0.1	---	---	0.22	---
	12/8/2015	3.0	54.0	7.80	2850	2920	6	< 0.1	---	---	0.17	---
	1/5/2016	1.0	90.1	8.30	2940	2310	< 5	< 0.1	2570	0.08	0.25	0.04
	2/9/2016	5.0	90.1	8.30	2900	2740	6	< 0.1	---	---	0.04	---
	3/8/2016	2.0	287.3	8.40	1760	1720	10	< 0.1	---	---	0.20	---
	4/6/2016	12.0	316.9	8.40	1980	1910	9	< 0.1	1680	---	0.12	---
	5/3/2016	20.0	110.4	8.30	1980	1850	6	< 0.1	---	---	0.16	---
	6/7/2016	22.0	54.0	8.20	2180	2130	6	< 0.1	---	---	0.37	---
	7/5/2016	26.0	90.1	8.30	2420	2250	8	< 0.1	2000	< 0.02	0.26	0.12
	8/9/2016	25.0	54.0	8.40	2670	2290	29	< 0.1	---	---	0.93	---
	9/6/2016	22.0	90.1	8.40	2740	2630	11	< 0.1	---	---	0.38	---
	10/4/2016	12.0	90.1	8.20	2820	2430	7	< 0.1	2310	---	0.31	---
	11/8/2016	12.0	90.1	8.30	2720	2520	10	< 0.1	---	---	0.24	---
	12/7/2016	2.0	24.8	8.20	2930	2670	6	< 0.1	---	---	0.27	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 002	1/3/2017	1.0	71.2	8.30	3020	2790	5	< 0.1	2480	< 0.04	0.15	0.16
	2/7/2017	3.0	71.2	8.30	2580	2340	7	< 0.1	---	---	0.15	---
	3/7/2017	6.0	287.3	8.30	1950	1950	7	< 0.1	---	---	0.27	---
	4/4/2017	10.0	90.1	8.30	2560	2280	7	< 0.1	2090	---	0.19	---
	5/9/2017	19.0	90.1	8.20	2460	2310	< 5	< 0.1	---	---	0.21	---
	6/6/2017	27.0	90.1	8.40	2350	2210	6	< 0.1	---	---	0.21	---
	7/6/2017	29.0	24.8	8.70	2600	2160	8	< 0.1	2100	0.11	0.32	0.20
	8/8/2017	25.0	24.8	8.50	2800	2840	14	< 0.1	---	---	0.27	---
	9/7/2017	23.0	24.8	8.50	2920	2870	9	< 0.1	---	---	0.34	---
	10/3/2017	6.0	204.5	8.50	1990	2000	5	< 0.1	1580	---	0.20	---
	11/7/2017	7.0	62.4	8.60	2430	2420	< 5	< 0.1	---	---	0.17	---
	12/5/2017	4.0	71.2	8.50	2540	2520	< 5	< 0.1	---	---	0.14	---
	1/9/2018	2.0	54.0	8.30	2660	2580	< 5	< 0.1	2360	< 0.04	0.16	< 0.06
	2/6/2018	3.0	302.0	8.40	1900	1890	15	< 0.1	---	---	0.78	---
	3/6/2018	4.0	258.6	8.40	1820	1840	11	< 0.1	---	---	0.41	---
	4/10/2018	15.0	316.9	8.50	2160	2070	10	< 0.1	1780	---	0.15	---
	5/9/2018	21.0	132.0	8.30	2330	2180	6	< 0.1	---	---	0.28	---
	6/6/2018	23.0	54.0	8.70	2150	2310	10	< 0.1	---	---	0.27	---
	7/5/2018	27.0	18.8	9.00	2570	2340	< 5	< 0.1	2160	---	0.09	---
	8/7/2018	20.0	38.4	8.20	2970	2580	10	< 0.1	---	---	0.20	---
	9/4/2018	21.0	38.4	8.10	3050	3070	25	< 0.1	---	---	0.59	---
	10/9/2018	10.0	71.2	7.70	2860	2690	14	< 0.1	2250	< 0.04	0.49	0.40
	11/6/2018	5.0	90.1	7.90	2880	2700	< 5	< 0.1	---	---	0.15	---
	12/4/2018	2.0	54.0	7.60	2990	2780	< 5	< 0.1	---	---	0.10	---
	1/8/2019	3.0	24.8	7.30	3080	2730	7	< 0.1	2290	< 0.04	0.41	< 0.06
	2/12/2019	1.0	24.8	7.60	3040	2840	5	< 0.1	---	---	0.24	---
	3/5/2019	1.0	71.2	7.60	2820	2630	< 5	< 0.1	---	---	0.11	---
	4/9/2019	9.0	532.5	7.90	1040	959	24	< 0.1	716	---	1.43	---
	5/7/2019	19.0	90.1	8.10	2230	2070	< 5	< 0.1	---	---	0.15	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 002	6/4/2019	24.0	132.0	8.10	2530	2380	7	< 0.1	---	---	0.19	---
	7/10/2019	27.0	90.1	8.60	2250	2030	< 5	< 0.1	1760	0.04	0.12	< 0.05
	8/6/2019	26.0	90.1	8.20	2530	2350	9	< 0.1	---	---	0.12	---
	9/3/2019	23.0	54.0	7.80	2690	2480	12	< 0.1	---	---	0.22	---
	10/8/2019	13.0	132.0	8.00	2710	2620	14	< 0.1	2210	---	0.22	---
	11/5/2019	6.0	132.0	8.10	2750	2640	11	< 0.1	---	---	0.23	---
	12/3/2019	5.0	132.0	8.10	2940	2620	< 5	< 0.1	---	---	0.20	---
	1/7/2020	3.0	132.0	7.80	3130	2650	6	< 0.1	2300	< 0.06	0.39	0.10
	2/4/2020	1.0	132.0	8.10	2910	2680	< 5	< 0.1	---	---	0.08	---
	3/3/2020	4.0	132.0	7.50	2940	2610	6	< 0.1	---	---	0.17	---
	4/7/2020	14.0	347.6	8.20	1950	1940	6	< 0.1	1580	---	0.14	---
	5/5/2020	19.0	179.2	8.20	2240	2190	< 5	< 0.1	---	---	0.18	---
	6/9/2020	19.0	155.0	8.50	2360	2310	< 5	< 0.1	---	---	0.19	---
	7/7/2020	24.0	90.1	8.50	2440	2400	< 5	< 0.1	2050	< 0.06	0.10	< 0.10
	8/4/2020	27.0	132.0	8.20	2560	2480	6	< 0.1	---	---	0.16	---
	9/16/2020	19.0	132.0	8.00	2620	---	8	< 0.1	2310	---	0.19	0.08
	10/14/2020	13.0	132.0	8.20	2660	---	8	< 0.1	2390	---	0.19	0.11
	11/10/2020	5.0	132.0	7.90	2680	1780	10	< 0.1	---	---	0.17	---
	12/8/2020	2.0	110.4	7.80	2970	1210	6	< 0.1	---	---	0.10	---
	1/12/2021	1.0	110.4	7.70	2930	---	< 5	< 0.1	2570	---	0.14	0.05
	2/9/2021	1.0	110.4	7.90	2860	2730	< 5	< 0.1	---	---	0.12	---
	3/9/2021	3.0	179.2	7.90	2000	1950	< 5	< 0.1	---	---	0.21	---
	4/7/2021	14.0	132.0	7.90	2540	---	17	< 0.1	2210	---	0.43	0.31
	5/4/2021	14.0	132.0	8.10	2550	2610	5	< 0.1	---	---	0.21	---
	6/9/2021	26.0	54.0	8.50	2600	2560	< 5	< 0.1	---	---	0.12	---
	7/7/2021	30.0	24.8	9.30	2730	---	< 5	< 0.1	2350	---	0.04	0.01
	8/10/2021	20.0	38.4	7.50	3100	2840	5	< 0.1	---	---	0.15	---
	9/14/2021	18.0	90.1	7.90	3250	3180	10	< 0.1	---	---	0.21	---
	10/5/2021	17.0	179.2	8.00	3210	---	11	< 0.1	2700	---	0.18	0.06

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 002	11/16/2021	8.0	179.2	8.10	2980	2880	< 5	< 0.1	---	---	0.16	---
	12/7/2021	6.0	179.2	8.00	3030	2900	< 5	< 0.1	---	---	< 0.06	---
NPDES 005	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/13/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/19/2012	3.0	4.7	7.90	920	831	22	< 0.1	559	0.03	2.13	2.54
	3/27/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/14/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 008	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/10/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 009	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 009	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/9/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 011	1/3/2012	7.0	39.9	8.10	4100	---	---	---	---	---	---	---
	1/10/2012	5.0	58.7	8.20	4170	3840	< 5	< 0.1	3670	< 0.04	0.11	< 0.01
	1/17/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/24/2012	4.0	58.7	8.20	3250	---	---	---	---	---	---	---
	1/31/2012	5.0	58.7	8.10	3080	---	---	---	---	---	---	---
	2/7/2012	5.0	39.9	8.20	4100	---	---	---	---	---	---	---
	2/14/2012	3.0	58.7	8.50	3920	3450	12	< 0.1	---	---	0.24	---
	2/21/2012	4.0	7.1	8.10	3940	---	---	---	---	---	---	---
	2/28/2012	1.0	232.5	8.70	2610	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 011	3/6/2012	4.0	255.9	7.80	1920	1850	43	< 0.1	---	---	1.94	---
	3/13/2012	4.0	285.6	8.20	1010	---	---	---	---	---	---	---
	3/19/2012	3.0	79.0	8.20	1800	---	---	---	---	---	---	---
	3/27/2012	12.0	58.7	7.90	2740	---	---	---	---	---	---	---
	4/3/2012	9.0	22.6	7.90	2920	2760	5	< 0.1	2390	---	0.12	---
	4/10/2012	14.0	22.6	7.70	3130	---	---	---	---	---	---	---
	4/17/2012	10.0	22.6	7.90	3060	---	---	---	---	---	---	---
	4/24/2012	13.0	39.9	7.70	3320	---	---	---	---	---	---	---
	5/1/2012	11.0	39.9	7.70	3530	---	---	---	---	---	---	---
	5/8/2012	12.0	22.6	7.70	3450	3150	5	< 0.1	---	---	0.12	---
	5/15/2012	12.0	7.1	7.60	3610	---	---	---	---	---	---	---
	5/22/2012	9.0	22.6	7.60	3700	---	---	---	---	---	---	---
	5/29/2012	7.0	19.5	7.50	3830	---	---	---	---	---	---	---
	6/5/2012	10.0	32.7	7.60	3800	3640	< 5	< 0.1	---	---	0.10	---
	6/12/2012	7.0	30.3	7.40	3980	---	---	---	---	---	---	---
	6/19/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/23/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/30/2012	15.0	7.1	7.60	3950	3370	8	< 0.1	3650	< 0.02	0.17	0.12
	11/6/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/13/2012	10.0	100.7	7.60	3980	3390	26	< 0.1	---	---	0.91	---
	11/20/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/27/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2012	8.0	7.1	7.70	3930	3510	< 5	< 0.1	---	---	0.04	---
	12/11/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/5/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/6/2013	8.0	38.4	7.80	3990	3870	< 5	< 0.1	3610	< 0.02	< 0.04	< 0.06
	4/2/2013	7.0	287.3	8.00	1180	1140	21	< 0.1	800	---	1.69	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 011	5/7/2013	15.0	38.4	7.60	2460	2370	< 5	< 0.1	---	---	0.08	---
	6/4/2013	18.0	71.2	7.40	4050	3680	5	< 0.1	---	---	0.09	---
	7/9/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/4/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/8/2013	9.0	110.4	7.70	2340	2310	< 5	< 0.1	1780	< 0.02	0.12	0.10
	11/5/2013	8.0	54.0	7.50	2880	2800	< 5	< 0.1	---	---	0.07	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/4/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/4/2014	3.0	132.0	7.90	1870	1830	9	< 0.1	1340	< 0.02	0.48	0.97
	4/8/2014	12.0	258.6	8.30	2040	1990	15	< 0.1	1520	---	0.30	---
	5/6/2014	12.0	13.4	7.50	3320	3320	< 5	< 0.1	---	---	0.10	---
	6/3/2014	11.0	38.4	7.50	3280	3230	< 5	< 0.1	---	---	0.04	---
	7/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	8/5/2014	14.0	13.4	7.60	3960	3780	8	< 0.1	3370	< 0.02	0.04	0.05
	9/10/2014	17.0	71.2	7.80	2900	2750	6	< 0.1	---	---	0.09	---
	10/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/4/2014	10.0	38.4	7.80	2750	2610	16	< 0.1	2040	---	0.41	---
	12/9/2014	8.0	38.4	7.60	3620	3440	97	0.1	---	---	2.80	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/3/2015	9.0	24.8	7.90	3420	3690	< 5	< 0.1	3180	0.20	0.12	0.06
	3/3/2015	4.0	54.0	8.10	2980	2940	15	< 0.1	---	---	0.24	---
	4/7/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	6/9/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	7/7/2015	21.0	204.5	8.00	3110	3040	13	< 0.1	2670	0.05	0.27	0.39
	8/4/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/9/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 011	3/8/2016	5.0	90.1	7.90	2170	2170	13	< 0.1	1780	< 0.02	0.55	0.77
	4/6/2016	11.0	90.1	8.00	2520	2380	14	< 0.1	2140	---	0.25	---
	5/3/2016	15.0	54.0	7.80	2740	2570	< 5	< 0.1	---	---	0.09	---
	6/7/2016	21.0	24.8	7.70	3040	3030	< 5	< 0.1	---	---	0.07	---
	7/5/2016	17.0	71.2	7.90	3370	3250	5	< 0.1	3100	< 0.04	0.07	< 0.06
	8/9/2016	18.0	24.8	7.60	3700	3230	< 5	< 0.1	---	---	< 0.04	---
	9/6/2016	17.0	71.2	7.60	3760	3670	< 5	< 0.1	---	---	< 0.02	---
	10/4/2016	15.0	110.4	7.90	3560	3350	5	< 0.1	3280	---	0.07	---
	11/8/2016	13.0	110.4	7.60	3840	3500	16	< 0.1	---	---	0.49	---
	12/7/2016	6.0	13.4	7.70	3940	3620	6	< 0.1	---	---	0.18	---
	1/3/2017	7.0	38.4	8.00	4100	3910	8	< 0.1	3640	< 0.04	0.12	0.12
	2/7/2017	5.0	38.4	8.00	3460	3050	6	< 0.1	---	---	0.17	---
	3/7/2017	7.0	71.2	7.90	2600	2540	61	< 0.1	---	---	2.05	---
	4/4/2017	11.0	54.0	7.80	2960	2660	< 5	< 0.1	2530	---	0.08	---
	5/9/2017	17.0	54.0	7.70	3360	3200	< 5	< 0.1	---	---	0.05	---
	6/6/2017	19.0	24.8	7.70	3450	3260	< 5	< 0.1	---	---	0.04	---
	7/6/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/7/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/3/2017	15.0	132.0	7.90	2260	2230	16	< 0.1	1720	0.27	0.25	0.22
	11/7/2017	10.0	71.2	7.80	3620	3650	5	< 0.1	---	---	0.08	---
	12/5/2017	8.0	54.0	7.80	3730	3750	< 5	< 0.1	---	---	0.05	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/6/2018	4.0	54.0	8.20	2440	2440	13	< 0.1	2020	< 0.04	0.52	0.84
	3/6/2018	8.0	38.4	7.80	3110	3140	6	< 0.1	---	---	0.07	---
	4/10/2018	12.0	38.4	7.80	2520	2470	6	< 0.1	2130	---	0.10	---
	5/9/2018	15.0	71.2	7.60	3240	3170	< 5	< 0.1	---	---	0.10	---
	6/6/2018	19.0	13.4	7.80	3600	3430	6	< 0.1	---	---	0.05	---
	7/5/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 011	10/9/2018	9.0	38.4	7.20	3610	3440	5	< 0.1	2940	< 0.04	0.19	0.34
	11/6/2018	8.0	24.8	7.20	4060	3840	< 5	< 0.1	---	---	< 0.04	---
	12/4/2018	8.0	38.4	7.60	4310	3890	< 5	< 0.1	---	---	0.05	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/12/2019	4.0	13.4	7.90	4090	3910	7	< 0.1	3430	< 0.04	0.17	0.13
	3/5/2019	8.0	24.8	7.40	3880	3700	< 5	< 0.1	---	---	0.09	---
	4/9/2019	11.0	514.6	7.60	1110	1040	82	< 0.1	832	---	3.80	---
	5/7/2019	15.0	71.2	7.30	2780	2590	5	< 0.1	---	---	0.07	---
	6/4/2019	21.0	132.0	7.40	3220	3100	< 5	< 0.1	---	---	0.12	---
	7/10/2019	23.0	38.4	7.80	3350	2980	< 5	< 0.1	2760	< 0.06	0.09	< 0.10
	8/6/2019	21.0	13.4	7.90	3490	3640	5	< 0.1	---	---	< 0.03	---
	9/3/2019	19.0	71.2	7.50	4000	3770	< 5	< 0.1	---	---	< 0.06	---
	10/8/2019	16.0	71.2	7.90	4220	3950	8	< 0.1	3530	---	0.15	---
	11/5/2019	9.0	132.0	7.60	4030	3980	< 5	< 0.1	---	---	< 0.06	---
	12/3/2019	8.0	71.2	7.60	4200	3820	9	< 0.1	---	---	0.06	---
	1/7/2020	5.0	71.2	7.60	4150	3890	< 5	< 0.1	3520	< 0.06	0.11	< 0.10
	2/4/2020	3.0	71.2	7.80	4070	3820	19	< 0.1	---	---	0.35	---
	3/3/2020	3.0	38.4	7.60	3460	3330	10	< 0.1	---	---	0.26	---
	4/7/2020	15.0	132.0	8.20	2040	2050	11	< 0.1	1640	---	0.41	---
	5/5/2020	18.0	132.0	8.10	3200	3170	< 5	< 0.1	---	---	< 0.10	---
	6/9/2020	18.0	132.0	8.30	3520	3510	5	< 0.1	---	---	< 0.10	---
	7/7/2020	23.0	13.4	8.30	3660	3670	6	< 0.1	3340	< 0.10	< 0.10	< 0.10
	8/4/2020	18.0	24.8	7.50	3660	3600	5	< 0.1	---	---	< 0.10	---
	9/16/2020	19.0	132.0	7.50	3820	---	< 5	< 0.1	3500	---	0.04	0.01
	10/14/2020	15.0	71.2	7.80	4030	---	< 5	< 0.1	3650	---	0.04	< 0.01
	11/10/2020	5.0	54.0	7.90	3870	2430	5	< 0.1	---	---	< 0.06	---
	12/8/2020	5.0	38.4	7.50	4120	1620	7	< 0.1	---	---	< 0.06	---
	1/12/2021	6.0	38.4	7.30	3950	---	< 5	< 0.1	3600	---	0.04	0.01
	2/9/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 011	3/9/2021	7.0	54.0	7.30	2260	2220	< 5	< 0.1	---	---	0.26	---
	4/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	5/4/2021	12.0	38.4	7.30	3950	---	8	< 0.1	3610	---	0.03	< 0.01
	6/9/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 012	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 013	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/6/2012	3.0	38.4	8.20	730	741	51	< 0.1	560	0.06	3.26	5.08
	3/13/2012	155.0	18.8	0.00	0	---	---	---	---	---	---	---
	3/19/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 014	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/6/2012	2.0	38.4	7.60	70	131	10	< 0.1	84	0.04	0.23	0.25
	3/13/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 015	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/6/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/13/2012	2.0	54.0	8.20	570	607	72	< 0.1	410	0.07	4.15	3.54
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 016	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 017	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 017	3/6/2012	2.0	287.3	8.00	390	443	150	< 0.1	290	< 0.02	5.75	12.50
	3/13/2012	1.0	38.4	8.50	270	---	---	---	---	---	---	---
	3/19/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/4/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/8/2013	8.0	4.7	8.10	1130	1130	6	< 0.1	724	0.11	0.20	0.36
	11/5/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/4/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/4/2014	1.0	13.4	8.60	730	715	5	< 0.1	430	< 0.02	0.71	1.67
	4/8/2014	12.0	4.7	8.60	1010	984	22	< 0.1	600	---	0.55	---
	5/6/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/10/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 018	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/13/2012	1.0	13.4	7.80	380	398	50	< 0.1	280	---	5.16	5.60
	3/19/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/6/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	4/2/2013	10.0	1.6	8.00	250	243	14	< 0.1	170	0.14	2.41	3.60
	5/7/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/4/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	4/10/2014	11.0	71.2	8.30	320	324	114	0.4	240	< 0.02	6.49	6.59
	5/6/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/10/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 018	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 019	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/9/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 020	1/3/2012	7.0	60.8	8.70	2830	---	---	---	---	---	---	---
	1/10/2012	4.0	39.7	8.80	2910	2720	17	< 0.1	2020	< 0.02	0.19	0.30
	1/17/2012	2.0	56.3	8.70	3040	---	---	---	---	---	---	---
	1/24/2012	2.0	51.8	8.70	2790	---	---	---	---	---	---	---
	1/31/2012	4.0	60.8	8.50	2830	---	---	---	---	---	---	---
	2/7/2012	4.0	51.8	8.50	2920	---	---	---	---	---	---	---
	2/14/2012	3.0	60.8	8.70	2770	2500	13	< 0.1	---	---	0.28	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 020	2/21/2012	2.0	51.8	8.80	2820	---	---	---	---	---	---	---
	2/28/2012	2.0	36.0	8.80	2120	---	---	---	---	---	---	---
	3/6/2012	2.0	280.6	8.30	940	914	123	< 0.1	---	---	4.03	---
	3/13/2012	8.0	56.3	8.00	1120	---	---	---	---	---	---	---
	3/19/2012	5.0	36.0	8.50	1780	---	---	---	---	---	---	---
	3/27/2012	12.0	5.8	8.50	2040	---	---	---	---	---	---	---
	4/3/2012	11.0	5.1	8.50	2160	2070	11	< 0.1	1450	---	0.16	---
	4/10/2012	23.0	1.1	8.40	2300	---	---	---	---	---	---	---
	4/17/2012	10.0	2.3	8.20	2390	---	---	---	---	---	---	---
	4/24/2012	22.0	4.4	8.60	2450	---	---	---	---	---	---	---
	5/1/2012	16.0	0.4	8.70	2530	---	---	---	---	---	---	---
	5/8/2012	16.0	1.1	8.60	2650	2380	< 5	< 0.1	---	---	0.06	---
	5/15/2012	21.0	0.0	8.10	2860	---	---	---	---	---	---	---
	5/22/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	7/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	7/10/2012	19.0	1.4	8.00	3030	2640	5	< 0.1	2450	---	0.09	---
	7/17/2012	17.0	0.0	8.20	3200	---	---	---	---	---	---	---
	7/24/2012	18.0	1.4	8.00	2980	---	---	---	---	---	---	---
	7/31/2012	16.0	0.0	7.70	3280	---	---	---	---	---	---	---
	8/7/2012	18.0	0.0	7.80	3270	2980	10	< 0.1	---	---	0.52	---
	8/14/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	8/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/4/2012	21.0	1.4	7.80	3250	3060	5	< 0.1	---	---	0.16	---
	9/11/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/29/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/5/2013	0.0	18.8	8.10	1900	1820	6	< 0.1	1460	0.03	0.22	0.48
	3/6/2013	2.0	132.0	7.60	2570	2400	< 5	< 0.1	---	---	0.14	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 020	4/2/2013	10.0	18.8	8.30	2310	2180	6	< 0.1	1800	---	0.06	---
	5/7/2013	20.0	1.6	8.40	2290	2210	< 5	< 0.1	---	---	0.08	---
	6/4/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/8/2013	11.0	24.8	8.00	2110	2080	21	< 0.1	1500	< 0.02	1.04	1.76
	11/5/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/4/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/4/2014	4.0	38.4	8.30	1230	1190	7	< 0.1	810	0.17	0.37	0.88
	4/8/2014	11.0	13.4	8.40	2230	2180	5	< 0.1	1630	---	0.19	---
	5/6/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	8/5/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/10/2014	21.0	1.6	8.40	2750	2680	< 5	< 0.1	2060	< 0.02	0.13	0.15
	10/8/2014	12.0	179.2	8.50	2250	2200	< 5	< 0.1	1480	---	0.17	---
	11/4/2014	9.0	4.7	8.60	2610	2470	< 5	< 0.1	---	---	0.11	---
	12/9/2014	3.0	1.6	8.40	2260	2480	7	< 0.1	---	---	0.23	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/3/2015	4.0	4.7	8.30	2370	2260	< 5	< 0.1	1640	< 0.02	0.04	0.07
	3/3/2015	3.0	38.4	8.20	2530	2480	6	< 0.1	---	---	0.21	---
	4/7/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	6/9/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	7/7/2015	19.0	54.0	8.30	1850	1820	34	< 0.1	1230	0.08	0.98	2.20
	8/4/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/9/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/8/2016	8.0	38.4	8.60	1420	1480	5	< 0.1	1060	< 0.02	0.06	0.09
	4/6/2016	11.0	1.6	8.60	1430	1370	11	< 0.1	1050	---	0.22	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 020	5/3/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/7/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	4/4/2017	8.0	1.6	8.70	2390	2120	9	< 0.1	1780	< 0.02	0.04	0.06
	5/9/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/7/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/3/2017	5.0	316.9	8.30	1650	1740	271	< 0.1	1250	0.03	3.79	3.60
	11/7/2017	6.0	71.2	8.50	2240	2210	8	< 0.1	---	---	0.30	---
	12/5/2017	3.0	1.6	8.80	2520	2540	7	< 0.1	---	---	0.09	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/6/2018	2.0	13.4	7.80	1340	1340	9	< 0.1	976	< 0.02	0.49	0.57
	3/6/2018	2.0	4.7	7.60	1223	1300	< 5	< 0.1	---	---	0.05	---
	4/10/2018	6.0	13.4	8.50	1660	1710	193	< 0.1	1370	---	6.02	---
	5/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/5/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	4/9/2019	7.0	2834.5	7.70	660	622	380	< 0.1	750	< 0.03	17.40	14.70
	5/7/2019	17.0	1.6	8.30	1210	1120	25	< 0.1	---	---	0.35	---
	6/4/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	11/5/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	6.0	1.6	7.90	3410	3370	< 5	< 0.1	2840	< 0.06	< 0.06	< 0.10
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	4/7/2020	11.0	13.4	8.00	1290	1290	26	< 0.1	904	< 0.06	0.93	1.79
	5/5/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 020	3/16/2021	6.0	4.7	7.70	2270	---	< 5	< 0.1	1200	---	0.13	0.16
	4/7/2021	13.0	1.6	8.20	2410	---	7	< 0.1	1870	---	0.13	0.16
	5/4/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 021	1/3/2012	4.0	179.2	8.70	2400	---	---	---	---	---	---	---
	1/10/2012	3.0	4.7	8.70	2650	2430	10	< 0.1	2070	< 0.02	0.07	0.13
	1/17/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/28/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/6/2012	2.0	2309.5	7.60	2490	2300	387	< 0.1	---	---	10.60	---
	3/13/2012	5.0	155.0	7.80	1310	---	---	---	---	---	---	---
	3/19/2012	5.0	1.6	8.20	1550	---	---	---	---	---	---	---
	3/27/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/9/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	2/9/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	3/8/2016	8.0	1.6	8.30	1300	1190	< 5	< 0.1	880	< 0.02	0.03	0.04
	4/6/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 021	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 022	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/9/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	9/7/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	10/3/2017	8.0	100.0	8.40	440	492	18	< 0.1	332	< 0.02	0.83	1.13
	11/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 022	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 023	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/9/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 024	1/3/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/26/2012	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/2/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2013	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/9/2014	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/6/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
NPDES 024	12/8/2015	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/5/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2016	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/3/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/5/2017	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/9/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/4/2018	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/8/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2019	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/3/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 025	7/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 026	7/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
NPDES 027	7/7/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/8/2020	---	@ 0.0	---	---	---	---	---	---	---	---	---
	1/12/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
	12/7/2021	---	@ 0.0	---	---	---	---	---	---	---	---	---
S-1	6/13/2012	7.0	24.8	8.40	2550	2130	< 5	< 0.1	1910	0.05	1.45	1.39
	9/4/2012	13.0	3.2	8.20	2580	---	---	---	1990	---	---	---
	6/4/2013	15.0	13.4	8.20	2740	2610	< 5	< 0.1	2080	0.06	0.05	0.04
	9/3/2013	16.0	4.7	8.40	2700	---	---	---	2100	---	---	---
	6/3/2014	15.0	13.4	8.40	2670	2620	5	< 0.1	2030	< 0.02	0.04	0.04

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Temp (deg. C)	Flow (gpm)	pH(f) (std. units)	Cond(f) (µmhos)	Cond (µmhos)	TSS (mg/l)	SEDSOL (ml/l/hr)	TDS (mg/l)	Fe (mg/l)	Fe(t) (mg/l)	Al(t) (mg/l)
S-1	9/10/2014	13.0	23.2	8.40	2750	---	---	---	2020	---	---	---
	6/9/2015	22.0	4.7	8.30	3410	2390	< 5	< 0.1	1980	< 0.02	0.04	0.04
	9/8/2015	15.0	1.6	8.20	2510	---	---	---	1790	---	---	---
	6/7/2016	16.0	13.4	8.60	1900	1840	< 5	< 0.1	1410	< 0.02	0.08	0.09
	9/6/2016	18.0	4.7	8.40	2130	---	---	---	1690	---	---	---
	6/6/2017	15.0	4.7	8.50	2290	2230	< 5	< 0.1	1760	< 0.02	0.04	0.04
	9/7/2017	13.0	4.7	8.50	2400	---	---	---	1850	---	---	---
	6/6/2018	14.0	1.6	8.60	2930	2930	37	< 0.1	2480	< 0.04	0.46	0.38
	8/15/2018	15.0	1.6	8.10	2510	---	---	---	1760	---	---	---
	6/4/2019	14.0	13.4	8.10	2400	2230	6	< 0.1	1700	< 0.03	0.12	0.09
	9/3/2019	13.0	4.7	7.90	2370	---	---	---	1690	---	---	---
	6/9/2020	15.0	4.7	8.30	2220	2190	18	< 0.1	1680	< 0.06	0.16	0.13
	9/29/2020	13.0	4.7	8.30	2220	---	---	---	1630	---	---	---
	6/9/2021	17.0	1.6	8.00	2470	2450	11	< 0.1	1930	< 0.06	0.12	0.10
	9/14/2021	17.0	1.6	8.10	2550	---	---	---	1820	---	---	---

@ = No flow period

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	As(t) (mg/l)	HCO3 (mg/l)	Ba(t) (mg/l)	B (mg/l)	Ca (mg/l)	Cd(t) (mg/l)	Cr(t) (mg/l)	Cu(t) (mg/l)	F (mg/l)	Mg (mg/l)
NPDES 001	1/10/2012	< 0.010	498	0.036	2.55	281.0	< 0.010	< 0.02	< 0.02	0.3	248.0
	7/24/2012	< 0.010	159	0.050	2.75	125.0	< 0.010	< 0.02	< 0.02	0.2	342.0
	1/2/2013	0.001	504	0.027	2.67	280.0	< 0.010	< 0.02	< 0.02	0.3	244.0
	10/8/2013	0.002	253	0.026	2.95	193.0	< 0.010	< 0.02	< 0.02	0.1	248.0
	1/8/2014	0.001	505	0.027	2.55	271.0	< 0.010	< 0.01	< 0.01	0.4	246.0
	9/10/2014	0.002	231	0.021	2.93	191.0	< 0.010	< 0.01	< 0.01	0.4	290.0
	1/6/2015	0.001	513	0.024	1.97	249.0	< 0.010	< 0.02	< 0.02	0.3	255.0
	8/4/2015	0.002	149	0.019	2.60	152.0	< 0.010	< 0.02	< 0.02	0.3	280.0
	1/5/2016	0.001	412	0.029	2.18	247.0	< 0.010	< 0.02	< 0.02	0.3	250.0
	7/5/2016	0.002	86	0.022	2.60	136.0	< 0.010	< 0.02	< 0.02	0.2	269.0
	1/3/2017	0.001	408	0.025	2.47	234.0	< 0.010	< 0.02	< 0.02	0.3	233.0
	10/3/2017	0.001	194	0.042	2.73	167.0	< 0.010	< 0.02	< 0.02	0.2	203.0
	1/9/2018	0.001	447	0.023	2.84	257.0	< 0.010	0.01	< 0.01	0.3	228.0
	11/6/2018	0.001	283	0.017	2.98	206.0	< 0.010	< 0.02	< 0.02	0.3	282.0
	1/8/2019	0.001	444	0.024	2.54	242.0	< 0.010	< 0.02	< 0.02	0.3	240.0
	7/10/2019	0.002	36	0.020	2.92	126.0	< 0.020	< 0.02	< 0.02	0.2	246.0
	1/7/2020	0.001	431	0.020	2.65	254.0	< 0.020	< 0.02	< 0.02	0.3	234.0
	7/7/2020	0.001	100	0.020	3.57	138.0	< 0.020	< 0.02	< 0.02	0.3	301.0
	9/16/2020	0.002	108	0.011	3.40	153.0	< 0.000	< 0.00	0.00	0.2	336.0
	10/14/2020	0.001	144	0.016	3.60	175.0	< 0.000	< 0.00	< 0.00	0.3	344.0
	1/12/2021	0.001	433	0.024	2.49	270.0	< 0.000	< 0.00	0.00	0.3	268.0
	4/7/2021	0.001	414	0.026	2.21	233.0	< 0.000	< 0.00	< 0.00	0.3	272.0
	11/16/2021	0.001	324	0.019	3.25	239.0	< 0.000	< 0.00	< 0.00	0.4	337.0
NPDES 002	1/10/2012	< 0.010	628	0.038	0.30	255.0	< 0.010	< 0.02	< 0.02	0.2	215.0
	10/2/2012	0.002	342	0.036	0.32	145.0	< 0.005	< 0.01	< 0.01	0.1	253.0
	1/2/2013	0.001	568	0.043	0.30	245.0	< 0.010	< 0.02	< 0.02	0.1	232.0
	10/8/2013	0.002	318	0.066	0.27	143.0	< 0.010	< 0.02	< 0.02	0.2	190.0
	1/8/2014	0.001	640	0.041	0.27	253.0	< 0.010	< 0.01	< 0.01	0.2	219.0

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	As(t) (mg/l)	HCO3 (mg/l)	Ba(t) (mg/l)	B (mg/l)	Ca (mg/l)	Cd(t) (mg/l)	Cr(t) (mg/l)	Cu(t) (mg/l)	F (mg/l)	Mg (mg/l)
NPDES 002	7/8/2014	0.002	199	0.021	0.30	97.2	< 0.010	< 0.01	< 0.01	0.1	228.0
	1/6/2015	0.001	515	0.046	0.25	201.0	< 0.010	< 0.02	< 0.02	0.2	195.0
	7/7/2015	0.004	377	0.037	0.30	134.0	< 0.005	< 0.01	< 0.01	0.1	215.0
	1/5/2016	0.001	439	0.034	0.30	193.0	< 0.005	< 0.01	< 0.01	0.1	231.0
	7/5/2016	0.003	265	0.032	0.26	130.0	< 0.010	< 0.02	< 0.02	0.2	206.0
	1/3/2017	0.001	482	0.026	0.31	196.0	< 0.010	< 0.02	< 0.02	0.1	232.0
	7/6/2017	0.003	176	0.024	0.29	102.0	< 0.010	< 0.02	< 0.02	0.2	220.0
	1/9/2018	0.001	459	0.047	0.29	204.0	< 0.005	0.01	< 0.01	0.6	227.0
	10/9/2018	0.002	268	0.049	0.33	116.0	< 0.010	< 0.02	< 0.02	0.1	245.0
	1/8/2019	0.001	461	0.037	0.26	192.0	< 0.010	< 0.02	< 0.02	0.2	213.0
	7/10/2019	0.002	157	0.023	0.28	97.9	< 0.008	< 0.01	< 0.01	0.2	187.0
	1/7/2020	0.001	513	0.050	0.27	232.0	< 0.008	< 0.01	< 0.01	0.1	213.0
	7/7/2020	0.002	243	0.020	0.29	122.0	< 0.020	< 0.02	< 0.02	0.1	223.0
	9/16/2020	0.003	311	0.046	0.29	140.0	< 0.000	< 0.00	< 0.00	< 0.1	236.0
	10/14/2020	0.002	349	0.039	0.28	165.0	< 0.000	< 0.00	< 0.00	0.1	252.0
	1/12/2021	0.001	595	0.037	0.27	269.0	0.000	< 0.00	0.00	< 0.1	239.0
	4/7/2021	0.001	475	0.038	0.22	202.0	< 0.000	0.00	< 0.00	< 0.2	212.0
	7/7/2021	0.002	46	0.017	0.28	80.6	< 0.000	< 0.00	< 0.00	< 0.2	286.0
	10/5/2021	0.002	263	0.036	0.34	139.0	< 0.000	< 0.00	< 0.00	< 0.2	294.0
NPDES 005	3/19/2012	0.002	208	0.076	0.08	62.1	< 0.010	< 0.02	< 0.02	0.1	61.7
NPDES 011	1/10/2012	< 0.010	698	0.036	0.42	333.0	< 0.010	< 0.02	0.02	0.2	316.0
	10/30/2012	0.001	548	0.042	0.48	327.0	< 0.010	< 0.02	< 0.02	0.3	330.0
	3/6/2013	0.001	616	0.033	0.37	329.0	< 0.010	< 0.02	< 0.02	0.2	315.0
	10/8/2013	0.001	276	0.086	0.38	154.0	< 0.010	< 0.02	< 0.02	0.3	136.0
	3/4/2014	0.001	300	0.047	0.19	130.0	< 0.010	< 0.01	< 0.01	0.2	107.0
	8/5/2014	0.001	607	0.036	0.36	318.0	< 0.010	< 0.01	< 0.01	0.2	292.0
	2/3/2015	0.001	618	0.033	0.36	310.0	< 0.010	< 0.02	< 0.02	0.2	283.0
	7/7/2015	0.002	229	0.080	0.56	177.0	< 0.010	< 0.02	< 0.02	0.2	233.0

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	As(t) (mg/l)	HCO3 (mg/l)	Ba(t) (mg/l)	B (mg/l)	Ca (mg/l)	Cd(t) (mg/l)	Cr(t) (mg/l)	Cu(t) (mg/l)	F (mg/l)	Mg (mg/l)
NPDES 011	3/8/2016	0.001	346	0.048	0.21	169.0	< 0.005	< 0.01	< 0.01	0.3	142.0
	7/5/2016	0.001	381	0.027	0.36	209.0	< 0.010	< 0.02	< 0.02	0.2	271.0
	1/3/2017	0.001	603	0.027	0.44	269.0	< 0.010	< 0.02	< 0.02	0.2	314.0
	10/3/2017	0.001	257	0.045	0.31	150.0	< 0.005	< 0.01	< 0.01	0.2	144.0
	2/6/2018	0.001	410	0.038	0.28	183.0	< 0.010	< 0.02	< 0.02	0.2	166.0
	10/9/2018	0.001	407	0.049	0.45	212.0	< 0.010	< 0.02	< 0.02	0.2	270.0
	2/12/2019	0.001	656	0.028	0.39	307.0	< 0.010	< 0.02	< 0.02	0.2	298.0
	7/10/2019	0.002	393	0.030	0.50	195.0	< 0.020	< 0.02	< 0.02	0.2	244.0
	1/7/2020	0.001	661	0.020	0.43	292.0	< 0.020	< 0.02	< 0.02	0.2	291.0
	7/7/2020	0.002	299	< 0.010	0.49	121.0	< 0.020	< 0.02	< 0.02	0.1	297.0
	9/16/2020	0.001	399	0.024	0.45	180.0	< 0.000	< 0.00	< 0.00	< 0.1	307.0
	10/14/2020	0.001	450	0.024	0.42	213.0	< 0.000	< 0.00	< 0.00	0.2	323.0
	1/12/2021	0.001	642	0.024	0.38	357.0	0.000	< 0.00	0.00	0.2	324.0
	5/4/2021	< 0.000	638	0.025	0.29	323.0	< 0.000	< 0.00	< 0.00	0.3	315.0
NPDES 013	3/6/2012	0.004	82	0.104	0.31	81.7	< 0.010	< 0.02	< 0.02	0.2	34.6
NPDES 014	3/6/2012	0.002	55	0.045	0.03	16.7	< 0.010	< 0.02	< 0.02	< 0.1	3.5
NPDES 015	3/13/2012	0.003	98	0.075	0.06	53.2	< 0.010	< 0.02	< 0.02	< 0.1	30.9
NPDES 017	3/6/2012	0.004	77	0.112	0.08	31.8	< 0.010	< 0.02	< 0.02	0.1	17.4
	10/8/2013	0.002	66	0.095	0.31	79.9	< 0.010	< 0.02	< 0.02	0.4	49.3
	3/4/2014	0.001	104	0.058	0.12	51.9	< 0.010	< 0.01	< 0.01	0.3	29.1
NPDES 018	3/13/2012	0.004	70	0.097	0.03	36.3	< 0.010	< 0.02	0.01	0.2	18.9
	4/2/2013	0.002	49	0.076	0.02	23.1	< 0.010	< 0.02	< 0.02	< 0.1	7.8
	4/10/2014	0.003	96	0.111	0.03	33.2	< 0.010	< 0.01	< 0.01	0.1	11.6
NPDES 020	1/10/2012	< 0.010	718	0.033	0.33	108.0	< 0.010	< 0.02	< 0.02	0.3	90.6
	2/5/2013	0.001	196	0.044	0.20	145.0	< 0.010	< 0.02	< 0.02	0.3	103.0
	10/8/2013	0.002	134	0.093	0.31	133.0	< 0.010	< 0.02	< 0.02	0.6	91.1
	3/4/2014	0.001	173	0.053	0.11	68.6	< 0.010	< 0.01	< 0.01	0.3	40.6

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	As(t) (mg/l)	HCO3 (mg/l)	Ba(t) (mg/l)	B (mg/l)	Ca (mg/l)	Cd(t) (mg/l)	Cr(t) (mg/l)	Cu(t) (mg/l)	F (mg/l)	Mg (mg/l)
NPDES 020	9/10/2014	0.002	169	0.085	0.52	171.0	< 0.010	< 0.01	< 0.01	0.8	134.0
	2/3/2015	0.001	284	0.050	0.23	130.0	< 0.005	< 0.01	< 0.01	0.4	99.9
	7/7/2015	0.002	112	0.102	0.50	102.0	< 0.005	< 0.01	< 0.01	0.8	66.8
	3/8/2016	0.001	202	0.058	0.16	86.5	< 0.005	< 0.01	< 0.01	0.5	51.9
	4/4/2017	0.001	298	0.072	0.21	134.0	< 0.005	< 0.01	< 0.01	0.5	90.6
	10/3/2017	0.004	83	0.063	0.16	147.0	< 0.005	< 0.01	0.01	0.4	69.2
	2/6/2018	0.001	135	0.038	0.14	98.1	< 0.005	< 0.01	< 0.01	0.2	63.1
	4/9/2019	0.008	90	0.168	0.04	64.1	< 0.008	0.01	0.03	0.2	22.4
	12/3/2019	0.001	243	0.070	0.67	257.0	< 0.020	< 0.02	< 0.02	0.4	213.0
	4/7/2020	0.001	200	0.079	0.14	83.3	< 0.008	< 0.01	< 0.01	0.3	45.9
	3/16/2021	0.001	139	0.061	0.23	102.0	< 0.000	< 0.00	0.00	0.3	96.3
	4/7/2021	0.001	263	0.121	0.33	153.0	0.000	< 0.00	0.00	0.3	140.0
NPDES 021	1/10/2012	< 0.010	397	0.061	0.23	198.0	< 0.010	< 0.02	< 0.02	0.2	130.0
	3/8/2016	0.001	123	0.036	0.13	108.0	< 0.005	< 0.01	< 0.01	0.2	66.1
NPDES 022	10/3/2017	0.002	67	0.064	0.02	50.0	< 0.005	< 0.01	< 0.01	0.3	15.7
S-1	6/13/2012	< 0.010	395	0.068	0.37	150.0	< 0.010	< 0.02	< 0.02	0.3	155.0
	6/4/2013	0.001	371	0.054	0.39	161.0	< 0.010	< 0.02	< 0.02	0.3	160.0
	6/3/2014	0.001	405	0.051	0.35	155.0	< 0.010	< 0.01	< 0.01	0.3	145.0
	6/9/2015	0.000	343	0.049	0.36	150.0	< 0.005	< 0.01	< 0.01	0.4	139.0
	6/7/2016	0.001	283	0.035	0.25	110.0	< 0.005	< 0.01	< 0.01	0.3	91.9
	6/6/2017	0.001	280	0.045	0.32	147.0	< 0.005	< 0.01	< 0.01	0.4	124.0
	6/6/2018	0.001	361	0.045	0.43	169.0	< 0.010	< 0.02	< 0.02	0.3	200.0
	6/4/2019	0.000	300	0.050	0.31	151.0	< 0.008	< 0.01	< 0.01	0.4	129.0
	6/9/2020	0.001	336	0.053	0.35	153.0	< 0.008	< 0.01	< 0.01	0.2	132.0
	6/9/2021	0.000	313	0.054	0.42	180.0	< 0.008	< 0.02	< 0.01	0.4	164.0

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Pb(t) (mg/l)	Mn (mg/l)	Mn(t) (mg/l)	Mo(t) (mg/l)	Ni (mg/l)	Na (mg/l)	NO3 (mg/l)	SAR (ratio)	Se(t) (mg/l)	SO4 (mg/l)	Zn(t) (mg/l)
NPDES 001	1/10/2012	< 0.08	0.300	0.320	< 0.02	< 0.02	502.0	0.18	5.33	< 0.001	2050	---
	7/24/2012	< 0.08	0.260	0.270	< 0.02	< 0.02	590.0	0.27	6.27	< 0.001	2540	---
	1/2/2013	0.11	0.280	0.280	< 0.04	< 0.01	481.0	0.20	5.13	< 0.001	1940	< 0.0200
	10/8/2013	< 0.04	0.030	0.060	< 0.04	< 0.01	460.0	< 0.02	5.23	< 0.001	1950	< 0.0200
	1/8/2014	< 0.04	0.530	0.540	< 0.02	< 0.01	482.0	0.09	5.16	< 0.001	2000	< 0.0200
	9/10/2014	< 0.04	0.050	0.120	< 0.02	< 0.01	494.0	< 0.02	5.30	0.002	2060	< 0.0200
	1/6/2015	< 0.06	0.550	0.580	< 0.04	< 0.02	436.0	< 0.02	4.70	< 0.005	1900	< 0.0200
	8/4/2015	< 0.06	0.020	0.030	< 0.04	< 0.02	489.0	< 0.02	5.50	0.001	2090	< 0.0200
	1/5/2016	< 0.06	0.340	0.350	< 0.04	0.02	434.0	< 0.02	4.70	< 0.001	1870	< 0.0200
	7/5/2016	< 0.06	< 0.010	0.020	< 0.04	< 0.02	457.0	< 0.02	5.30	0.001	2030	0.0900
	1/3/2017	< 0.06	0.150	0.170	< 0.04	< 0.02	434.0	< 0.02	4.90	< 0.001	1950	< 0.0200
	10/3/2017	< 0.06	0.010	0.050	< 0.04	< 0.02	433.0	0.10	5.40	< 0.001	1650	< 0.0200
	1/9/2018	< 0.03	0.340	0.348	< 0.04	< 0.02	462.0	< 0.02	5.10	< 0.001	1900	< 0.0100
	11/6/2018	< 0.06	0.008	0.010	< 0.04	0.01	500.0	< 0.02	5.40	< 0.001	1910	< 0.0200
	1/8/2019	< 0.06	0.190	0.230	< 0.04	< 0.02	437.0	< 0.02	4.80	< 0.001	1860	< 0.0200
	7/10/2019	< 0.06	< 0.020	< 0.020	< 0.04	< 0.02	462.0	< 0.02	5.60	< 0.001	1900	< 0.0200
	1/7/2020	< 0.06	0.340	0.340	< 0.04	< 0.02	436.0	< 0.02	4.80	< 0.001	1850	< 0.0200
	7/7/2020	< 0.06	0.030	0.060	< 0.04	< 0.02	526.0	< 0.02	5.80	< 0.002	2190	< 0.0400
	9/16/2020	< 0.00	0.009	0.014	0.00	0.00	567.0	< 0.02	5.90	0.000	2270	< 0.0060
	10/14/2020	< 0.00	0.002	0.005	0.00	0.00	565.0	< 0.02	5.80	< 0.001	2050	< 0.0300
	1/12/2021	< 0.00	0.487	0.507	0.00	0.00	447.0	0.29	4.70	0.000	1830	0.0076
	4/7/2021	0.00	0.075	0.080	0.00	0.00	445.0	0.02	4.80	< 0.000	1980	< 0.0060
	11/16/2021	0.00	0.064	0.061	0.00	< 0.04	539.0	< 0.02	5.30	0.000	2370	< 0.0060
NPDES 002	1/10/2012	< 0.08	0.105	0.120	< 0.02	< 0.02	164.0	0.75	1.85	< 0.001	1140	---
	10/2/2012	< 0.04	0.010	0.176	< 0.02	< 0.01	202.0	0.06	2.38	< 0.001	1260	< 0.0100
	1/2/2013	0.11	0.180	0.190	< 0.04	< 0.01	181.0	0.30	2.01	< 0.001	1190	< 0.0200
	10/8/2013	< 0.04	0.021	0.171	< 0.04	< 0.01	152.0	0.11	1.98	< 0.001	1050	< 0.0200
	1/8/2014	< 0.04	0.157	0.166	< 0.02	< 0.01	169.0	0.79	1.90	< 0.001	1270	< 0.0200

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Pb(t) (mg/l)	Mn (mg/l)	Mn(t) (mg/l)	Mo(t) (mg/l)	Ni (mg/l)	Na (mg/l)	NO3 (mg/l)	SAR (ratio)	Se(t) (mg/l)	SO4 (mg/l)	Zn(t) (mg/l)
NPDES 002	7/8/2014	< 0.04	0.040	0.070	< 0.02	< 0.01	176.0	< 0.02	2.30	< 0.001	1370	< 0.0200
	1/6/2015	< 0.06	0.090	0.100	< 0.04	< 0.02	148.0	0.31	1.80	< 0.001	1090	< 0.0200
	7/7/2015	< 0.03	0.090	0.442	< 0.02	< 0.02	163.0	< 0.02	2.10	< 0.001	1030	< 0.0100
	1/5/2016	< 0.03	0.080	0.082	< 0.02	< 0.02	189.0	0.10	2.20	< 0.001	1320	< 0.0100
	7/5/2016	< 0.06	0.022	0.090	< 0.04	< 0.01	147.0	< 0.02	1.90	0.001	1140	0.0200
	1/3/2017	< 0.06	0.040	0.060	< 0.04	< 0.02	176.0	0.20	2.00	< 0.001	1340	< 0.0200
	7/6/2017	< 0.06	0.050	0.060	< 0.04	< 0.02	167.0	< 0.02	2.20	< 0.001	1260	< 0.0200
	1/9/2018	< 0.03	0.060	0.071	< 0.04	< 0.02	176.0	0.03	2.00	< 0.001	1190	< 0.0100
	10/9/2018	< 0.06	< 0.010	0.070	< 0.04	< 0.02	195.0	< 0.02	2.40	< 0.001	1350	0.0300
	1/8/2019	< 0.06	0.400	0.480	< 0.04	< 0.02	166.0	< 0.02	2.00	< 0.001	1150	< 0.0200
	7/10/2019	< 0.03	0.010	0.040	< 0.02	< 0.01	140.0	< 0.02	1.90	< 0.001	1050	< 0.0100
	1/7/2020	< 0.03	0.090	0.100	< 0.02	< 0.02	148.0	0.30	1.70	< 0.001	1160	< 0.0100
	7/7/2020	< 0.06	< 0.010	0.040	< 0.04	< 0.01	142.0	< 0.02	1.80	< 0.002	1220	< 0.0400
	9/16/2020	0.00	0.022	0.083	0.00	0.00	155.0	< 0.02	---	0.000	1200	< 0.0060
	10/14/2020	0.00	0.015	0.085	0.00	0.00	162.0	< 0.02	1.90	0.000	1080	< 0.0120
	1/12/2021	< 0.00	0.179	0.186	0.00	0.00	157.0	0.44	1.70	0.000	1140	< 0.0060
	4/7/2021	0.00	0.078	0.105	0.00	0.00	146.0	< 0.02	1.70	0.000	1150	< 0.0060
	7/7/2021	< 0.00	0.003	0.018	0.00	0.00	202.0	< 0.02	2.40	0.000	1500	< 0.0060
	10/5/2021	< 0.00	0.023	0.124	0.00	< 0.01	218.0	< 0.02	2.40	< 0.000	1570	< 0.0060
NPDES 005	3/19/2012	< 0.08	0.312	0.351	< 0.02	< 0.02	36.4	0.11	0.79	< 0.001	250	0.0500
NPDES 011	1/10/2012	< 0.08	0.160	0.190	0.02	< 0.02	300.0	0.56	2.86	< 0.001	1930	---
	10/30/2012	< 0.04	0.130	0.130	< 0.04	< 0.01	273.0	0.25	2.58	< 0.001	2100	< 0.0200
	3/6/2013	< 0.04	0.110	0.130	< 0.04	< 0.01	265.0	0.22	2.54	< 0.001	1870	< 0.0200
	10/8/2013	< 0.04	0.014	0.054	< 0.04	< 0.01	122.0	0.87	1.75	0.001	760	< 0.0200
	3/4/2014	< 0.04	0.068	0.088	< 0.02	< 0.01	110.0	1.45	1.75	< 0.001	680	< 0.0200
	8/5/2014	< 0.04	0.070	0.077	< 0.02	< 0.01	246.0	0.23	2.40	< 0.001	1500	< 0.0200
	2/3/2015	< 0.06	0.210	0.230	< 0.02	< 0.02	239.0	0.41	2.40	< 0.001	1690	0.0300
	7/7/2015	< 0.06	0.030	0.070	< 0.04	< 0.02	220.0	0.55	2.60	0.007	1250	< 0.0200

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Pb(t) (mg/l)	Mn (mg/l)	Mn(t) (mg/l)	Mo(t) (mg/l)	Ni (mg/l)	Na (mg/l)	NO3 (mg/l)	SAR (ratio)	Se(t) (mg/l)	SO4 (mg/l)	Zn(t) (mg/l)
NPDES 011	3/8/2016	< 0.03	0.133	0.145	< 0.02	< 0.01	127.0	0.58	1.80	< 0.001	870	< 0.0100
	7/5/2016	< 0.06	0.080	0.080	< 0.04	< 0.02	254.0	0.05	2.80	0.000	1720	< 0.0200
	1/3/2017	< 0.06	0.150	0.240	< 0.04	< 0.02	315.0	0.22	3.10	< 0.001	1920	< 0.0200
	10/3/2017	< 0.03	0.017	0.104	< 0.02	< 0.01	144.0	0.54	2.00	< 0.001	840	< 0.0100
	2/6/2018	< 0.06	0.040	0.270	< 0.04	0.02	164.0	0.58	2.10	< 0.001	980	< 0.0200
	10/9/2018	< 0.06	< 0.010	0.110	< 0.04	< 0.02	279.0	0.28	3.00	< 0.001	1660	0.300
	2/12/2019	< 0.06	0.200	0.210	< 0.04	< 0.02	310.0	0.65	3.10	0.001	1820	< 0.0200
	7/10/2019	< 0.06	0.050	0.140	< 0.04	< 0.02	261.0	0.03	3.00	< 0.001	1460	< 0.0200
	1/7/2020	< 0.06	0.260	0.280	< 0.04	< 0.02	341.0	0.56	3.40	< 0.001	1800	< 0.0200
	7/7/2020	< 0.06	< 0.020	0.050	< 0.04	< 0.02	384.0	0.03	4.30	< 0.002	1910	< 0.0400
	9/16/2020	< 0.00	0.008	0.024	0.00	0.00	358.0	< 0.02	3.80	0.001	1880	< 0.0060
	10/14/2020	< 0.00	0.009	0.023	0.00	0.00	360.0	0.15	3.70	0.000	1780	< 0.0060
	1/12/2021	< 0.00	0.216	0.232	0.00	0.00	288.0	0.76	2.70	0.000	1770	< 0.0060
	5/4/2021	< 0.00	0.249	0.258	0.00	0.00	264.0	0.63	2.50	0.000	1940	< 0.0120
NPDES 013	3/6/2012	< 0.08	0.305	0.373	< 0.02	< 0.02	14.9	0.20	0.35	0.001	210	---
NPDES 014	3/6/2012	< 0.08	0.029	0.036	< 0.02	< 0.02	0.7	< 0.10	0.04	< 0.001	20	---
NPDES 015	3/13/2012	< 0.08	0.057	0.113	< 0.02	< 0.02	22.7	0.09	0.62	< 0.001	200	0.0200
NPDES 017	3/6/2012	< 0.08	0.029	0.129	< 0.02	< 0.02	24.7	0.70	0.89	0.001	90	0.0200
	10/8/2013	< 0.04	0.005	0.009	< 0.04	< 0.01	43.9	1.09	0.96	0.002	200	< 0.0200
	3/4/2014	< 0.04	< 0.005	0.008	< 0.02	< 0.01	38.4	1.61	1.07	0.002	170	< 0.0200
NPDES 018	3/13/2012	< 0.08	0.044	0.126	< 0.02	< 0.02	8.6	1.09	0.29	< 0.001	120	0.0300
	4/2/2013	< 0.04	0.006	0.042	< 0.04	< 0.01	8.1	1.94	0.38	< 0.001	80	0.0200
	4/10/2014	< 0.04	< 0.005	0.106	< 0.02	< 0.01	8.1	1.48	0.31	< 0.001	80	0.0300
NPDES 020	1/10/2012	< 0.08	0.040	0.060	< 0.02	< 0.02	470.0	0.46	8.17	< 0.001	860	---
	2/5/2013	< 0.04	0.071	0.074	< 0.04	< 0.01	146.0	2.75	2.29	0.007	740	0.0100
	10/8/2013	< 0.04	0.088	0.197	< 0.04	< 0.01	144.0	2.91	2.38	0.012	620	< 0.0200
	3/4/2014	< 0.04	0.054	0.062	< 0.02	< 0.01	120.0	9.60	2.87	0.005	370	0.0100

C-1. TRAPPER MINING COMPANY SURFACE-WATER QUALITY DATA. (cont'd.)

Sample Point Name	Date	Pb(t) (mg/l)	Mn (mg/l)	Mn(t) (mg/l)	Mo(t) (mg/l)	Ni (mg/l)	Na (mg/l)	NO3 (mg/l)	SAR (ratio)	Se(t) (mg/l)	SO4 (mg/l)	Zn(t) (mg/l)
NPDES 020	9/10/2014	< 0.04	< 0.005	0.020	< 0.02	< 0.01	242.0	2.54	3.40	0.008	1020	< 0.0200
	2/3/2015	< 0.03	0.005	0.019	< 0.02	< 0.01	229.0	4.76	3.70	0.007	830	< 0.0100
	7/7/2015	< 0.03	0.015	0.089	< 0.02	< 0.01	171.0	2.35	3.30	0.008	510	< 0.0100
	3/8/2016	< 0.03	0.022	0.020	< 0.02	< 0.01	147.0	3.83	3.10	0.006	490	< 0.0100
	4/4/2017	< 0.03	0.059	0.069	< 0.02	< 0.01	271.0	3.80	4.50	0.008	920	< 0.0100
	10/3/2017	< 0.03	0.026	0.141	< 0.02	< 0.01	117.0	3.03	2.00	0.009	680	0.0300
	2/6/2018	< 0.03	0.009	0.024	< 0.02	< 0.01	90.0	3.74	1.80	0.004	500	< 0.0100
	4/9/2019	0.04	< 0.010	0.240	< 0.02	0.01	28.2	3.33	0.78	0.003	200	0.0700
	12/3/2019	< 0.06	0.040	0.040	< 0.04	< 0.02	236.0	0.06	2.70	0.002	1400	< 0.0200
	4/7/2020	< 0.03	0.020	0.030	< 0.02	< 0.01	115.0	1.67	2.50	0.003	390	< 0.0200
	3/16/2021	0.00	0.018	0.035	0.00	0.00	135.0	0.80	2.30	0.005	828	< 0.0060
	4/7/2021	0.00	0.018	0.027	0.00	0.00	189.0	0.98	2.70	0.004	920	< 0.0060
NPDES 021	1/10/2012	< 0.08	0.029	0.040	< 0.02	< 0.02	245.0	0.62	3.36	< 0.001	1050	---
	3/8/2016	< 0.03	< 0.005	< 0.005	< 0.02	< 0.01	42.3	0.17	0.80	0.001	450	< 0.0100
NPDES 022	10/3/2017	< 0.03	< 0.005	0.063	< 0.02	< 0.01	17.3	0.67	0.55	0.002	170	< 0.0100
S-1	6/13/2012	< 0.08	< 0.010	0.050	< 0.02	< 0.02	235.0	0.59	3.25	< 0.001	940	---
	6/4/2013	< 0.04	< 0.005	< 0.010	< 0.04	< 0.01	245.0	0.22	3.31	0.002	1010	< 0.0200
	6/3/2014	< 0.04	< 0.005	< 0.005	< 0.02	< 0.01	245.0	6.18	3.44	0.003	910	< 0.0200
	6/9/2015	< 0.03	< 0.005	< 0.005	< 0.02	< 0.01	237.0	0.66	3.40	< 0.001	800	< 0.0100
	6/7/2016	< 0.03	< 0.005	< 0.005	< 0.02	< 0.01	168.0	1.71	2.90	0.004	630	< 0.0100
	6/6/2017	< 0.03	0.007	0.006	< 0.02	< 0.01	221.0	1.59	3.30	0.004	850	< 0.0100
	6/6/2018	< 0.06	0.030	0.030	< 0.04	< 0.02	238.0	0.66	3.00	0.008	1200	< 0.0200
	6/4/2019	< 0.03	0.020	0.030	< 0.02	< 0.01	181.0	0.46	2.60	0.004	760	< 0.0100
	6/9/2020	< 0.03	0.010	< 0.010	< 0.02	< 0.01	169.0	0.53	2.40	0.004	730	< 0.0200
	6/9/2021	< 0.03	0.010	< 0.010	< 0.02	< 0.01	187.0	0.09	2.50	0.005	862	< 0.0200