



February 9, 2022

Alaska Department of Environmental Conservation  
Division of Water  
P.O. Box 111800  
Juneau, AK 99811-1800

**Re: Kensington Gold Mine Waste Management Permit No. 2013DB0005**

Dear Sir and/or Madam:

Waste Management Permit No. 2013DB0002 was issued on September 20, 2013 and became effective on September 20, 2013. Attached please find the fourth quarter 2021 report and the 2021 annual report.

Based on information and belief formed after reasonable inquiry, I certify that the information in this document is true, accurate, and complete.

If you have any questions or require additional information, please contact Kevin Eppers at (907) 523-3328 or by email [keppers@coeur.com](mailto:keppers@coeur.com).

Sincerely,

A handwritten signature in blue ink that reads "Mark Kiessling".

Mark Kiessling  
General Manager

XC: Matthew Reece – Forest Service\_ electronic copy  
Sylvia Kreel – ADNR\_ electronic copy  
David Khan – ADEC\_ electronic copy

**Coeur Alaska - Kensington Gold Mine  
Waste Management Permit No. 2013DB0002  
4th Quarter 2021 Report**

**Section 1.7.2**

See attached tables for Monthly Receiving Water Monitoring Results for reporting period

**Section 1.7.3 (Table 1-1)**

Requirement Number	Monitoring Site	Water Quality Analysis Results	Mean Flow/Quantity Results	Frequency
1	Dam Seepage Sump	See Attached Table 1 for Results	See Attached Table 4 for results	(Monthly)
2	TTF Pond	See Attached Table 1 for Results	N/A	Quarterly
3	Upper Slate Lake/(USL) TTF bypass pipe	N/A	See Attached Table 5 for results	Weekly
4	USL to TTF	N/A	No events occurred during the reporting period.	N/A
5	Rainfall	N/A	See Attached Table 6 for results	Monthly
6	Snow	N/A	See Attached Table 6 for results	Cumulative Monthly
7	Graphitic phyllite seeps on the East & West embankments below the dam	See Attached Table 1 for Results	N/A	When Observed (no more frequently than annually)
8	Graphitic phyllite seeps at the Northwest end of the TTF	No seeps observed during the reporting period.	N/A	Quarterly when accessible
9	GPPTP effluent	See table 1 for fourth quarter 2021 results for the GPPTP effluent.	N/A	Monthly
10	GPPTP effluent	N/A	See attached Table 7	Monthly Mean - gpm
11	Mine Drainage to WTP	See Attached Table 1 for results	See Attached Table 8 for results	Monthly
12	Mine Sump Sediments	See Attached Table 1 for Results	N/A	Quarterly; Can be reduced to annually after 8 quarterly samples show no significant increase in constituents.
13	Pit 3 standing seep water	No standing seep water identified during the reporting period	N/A	Quarterly
14	Tailings as required by POO	See Attached Table 3 for results	N/A	Quarterly
15	Development Rock as required by POO	See Attached Table 3 for results	N/A	Quarterly

**Section 1.7.4.1**

Requirement Number	Monitoring Site	Visual Monitoring Conducted on Following Date (s)	Issues Identified related to damage or potential damage from settlement, ponding, leakage, frost action, erosion, or operations	Frequency
16	TTF dam	Every Day during reporting period of 10-1-21 thru 12-31-21; Inspection forms can be provided upon request.	None	Weekly
17	Tailings Pipeline	Once a week during reporting period of 10-1-21 thru 12-31-21; Inspection forms can be provided upon request.	None	Weekly



Table 1		Dissolved Copper	Dissolved Lead	Dissolved Manganese	Dissolved Nickel	Dissolved Selenium	Dissolved Silver	Dissolved Zinc
Station Name	Collect Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Mine Drainage to WTP	9/25/13	<1.0	<0.16	2.1	<1.0	2.2	<0.1	<2.5
Mine Drainage to WTP	10/23/13	2.9	0.2	21	1.9	1.8	<0.1	5.1
Mine Drainage to WTP	11/7/13	<1.0	<0.16	16.5	<1.0	1.8	<0.1	<2.5
Mine Drainage to WTP	12/10/13	<1.0	<0.16	15	<1.0	1.8	<0.1	<2.5
Mine Drainage to WTP	1/6/14	1.9	<0.16	192	<1.0	1.2	<0.1	4.3
Mine Drainage to WTP	2/10/14	<1.0	<0.16	92	<1.0	1.6	<0.1	<2.5
Mine Drainage to WTP	3/13/14	<1.0	<0.16	54.3	<1.0	1.7	<0.1	<2.5
Mine Drainage to WTP	4/9/14	1.2	<0.16	71.1	<1.0	<1.0	<0.1	<2.5
Mine Drainage to WTP	5/19/14	<1.0	<0.16	42.5	<1.0	1.5	<0.1	<2.5
Mine Drainage to WTP	6/9/14	<1.0	<0.16	34.8	<1.0	1.9	<0.1	<2.5
Mine Drainage to WTP	7/24/14	1.2	<0.16	44.9	2.5	1.5	<0.1	<2.5
Mine Drainage to WTP	8/7/14	<1.0	<0.16	47.5	<1.0	2.3	<0.1	<2.5
Mine Drainage to WTP	9/3/14	<1.0	<0.16	124	14.1	2.6	<0.1	8.3
Mine Drainage to WTP	10/23/14	<1.0	<0.16	51.5	<1.0	2.4	<0.1	<2.5
Mine Drainage to WTP	11/6/14	<1.0	<0.16	24	<1.0	2.1	<0.1	<2.5
Mine Drainage to WTP	12/3/14	<1.0	<0.16	41.5	<1.0	2.5	<0.1	<2.5
Mine Drainage to WTP	1/15/15	<1.0	<0.16	26.3	<1.0	2.2	<0.1	<2.5
Mine Drainage to WTP	2/11/15	<1.0	<0.16	64.9	<1.0	2.3	<0.1	3.1
Mine Drainage to WTP	3/12/15	<1.0	<0.16	50.7	<1.0	2.6	<0.1	<2.5
Mine Drainage to WTP	4/2/15	<1.0	<0.16	107	<1.0	1.4	0.2	<2.5
Mine Drainage to WTP	5/19/15	<1.0	<0.16	36.2	<1.0	1.7	<0.1	<2.5
Mine Drainage to WTP	6/8/15	<1.0	<0.2	45	<1.0	2.8	<0.1	<2.5
Mine Drainage to WTP	7/7/15	1.5	<0.16	43	1.1	2.5	<0.1	<2.5
Mine Drainage to WTP	8/10/15	2	<0.16	79.6	2.4	2	0.39	<2.5
Mine Drainage to WTP	9/1/15	<1.0	<0.16	26.2	<1.0	2.3	<0.1	2.6
Mine Drainage to WTP	10/13/15	<1.0	<0.16	20.1	<1.0	2.2	<0.1	<2.5
Mine Drainage to WTP	11/10/15	<1.0	<0.16	36.4	<1.0	2	<0.10	<2.5
Mine Drainage to WTP	12/14/15	<1.0	<0.16	11.2	<1.0	2.2	<0.10	<2.5
Mine Drainage to WTP	1/21/16	<1.0	<0.16	33	1.5	2.4	<0.10	<2.5
Mine Drainage to WTP	2/11/16	<1.0	<0.16	45.7	<1.0	1.4	0.27	<2.5
Mine Drainage to WTP	3/17/16	<1.0	<0.16	3	<1.0	1.6	<0.10	<2.5
Mine Drainage to WTP	4/7/16	<1.0	<0.16	4.5	<1.0	1.4	<0.10	<2.5
Mine Drainage to WTP	5/17/16	1.1	<0.16	35.9	1.3	1.7	<0.10	<2.5
Mine Drainage to WTP	6/23/16	<1.0	<0.16	4.9	<1.0	1.8	<0.10	<2.5
Mine Drainage to WTP	7/19/16	2.9	0.24	20.4	1.1	1.9	<0.10	3.1
Mine Drainage to WTP	8/23/16	1.1	<0.16	31	<1.0	1.6	<0.10	3.2
Mine Drainage to WTP	9/22/16	<1.0	<0.16	16.8	<1.0	1.7	<0.10	<2.5
Mine Drainage to WTP	10/5/16	1.5	<0.16	48.6	1.4	1.8	0.43	2.5
Mine Drainage to WTP	11/17/16	<1.0	<0.16	18.9	<1.0	1.5	<0.10	<2.5
Mine Drainage to WTP	12/21/16	<1.0	<0.16	28.8	1.7	1.9	<0.10	<2.5
Mine Drainage to WTP	1/11/17	<1.0	<0.16	70.3	<1.0	1.8	<0.10	<2.5
Mine Drainage to WTP	2/9/17	<1.0	<0.16	28.7	<2.0	1.5	<0.10	<2.5
Mine Drainage to WTP	3/20/17	<1.0	<0.16	<1.0	<1.0	1.8	<0.10	<2.5
Mine Drainage to WTP	4/18/17	<1.0	<0.16	36.4	<1.0	1.3	<0.10	<2.5
Mine Drainage to WTP	5/16/17	<1.0	<0.16	15.5	<1.0	1.6	<0.10	2.8
Mine Drainage to WTP	6/22/17	1.6	<0.16	19.8	<1.0	1.9	<0.10	<2.5
Mine Drainage to WTP	7/26/17	<1.0	<0.16	<1.0	<1.0	2	<0.10	<2.5
Mine Drainage to WTP	8/21/17	<1.0	<0.16	13.6	<1.0	1.6	<0.10	3.6
Mine Drainage to WTP	9/25/17	1.5	<0.16	3	<1.0	1.5	<0.10	3
Mine Drainage to WTP	10/17/17	1.3	<0.16	4.7	<1.0	1.6	<0.10	2.7
Mine Drainage to WTP	11/9/17	<1.0	<0.16	96.7	<1.0	1.6	<0.10	4.1
Mine Drainage to WTP	12/14/17	<1.0	<0.16	16.9	<1.0	1.8	<0.10	3.9
Mine Drainage to WTP	1/16/18	8.8	0.49	5.9	<1.0	2	<0.10	7
Mine Drainage to WTP	2/8/18	<1.0	<0.16	45.6	<1.0	1.6	<0.10	<2.5
Mine Drainage to WTP	3/27/18	<1.0	<0.16	40.4	<1.0	1.6	<0.10	<2.5
Mine Drainage to WTP	4/16/18	<1.0	<0.16	19	<1.0	1.4	<0.10	<2.5
Mine Drainage to WTP	5/24/18	<1.0	<0.16	18.2	<1.0	1.7	<0.10	<2.5
Mine Drainage to WTP	6/25/18	<1.0	<0.16	25.9	<1.0	2.1	<0.10	<2.5
Mine Drainage to WTP	7/18/18	1.1	<0.16	6.4	<1.0	1.5	<0.10	4.6
Mine Drainage to WTP	8/13/18	<1.0	<0.16	14.4	<1.0	1.6	<0.10	2.6
Mine Drainage to WTP	9/20/18	1.2	<0.16	18.4	<1.0	1.5	<0.10	3.6
Mine Drainage to WTP	10/11/18	1.8	<0.16	10.2	<1.0	1.3	<0.10	5.4
Mine Drainage to WTP	11/13/18	1	<0.16	7.4	<1.0	1.6	<0.10	3.6
Mine Drainage to WTP	12/6/18	1.4	<0.16	6.6	<1.0	1.6	<0.10	5.9
Mine Drainage to WTP	1/24/19	<1.0	<0.16	10.4	<1.0	1.1	<0.10	4.1
Mine Drainage to WTP	2/26/19	1.62	<0.14	6.72	<0.5	1.2	<0.061	2.8
Mine Drainage to WTP	3/14/19	1.32	<0.14	6.75	<0.5	1	<0.061	2.9
Mine Drainage to WTP	4/11/19	1.17	<0.14	14.7	<0.5	1.2	<0.061	8.3
Mine Drainage to WTP	5/7/19	1.74	<0.14	5.31	<0.5	1.2	<0.061	4.2
Mine Drainage to WTP	6/18/19	0.98	<0.14	8.07	<0.5	1.1	<0.061	3.1
Mine Drainage to WTP	7/17/19	1.2	<0.14	7.56	<0.5	1.1	<0.061	3.3
Mine Drainage to WTP	8/15/19	0.95	<0.14	10.5	<0.5	1.1	<0.061	3.4
Mine Drainage to WTP	9/17/19	1.59	<0.14	10.8	<0.5	1	<0.061	3.3
Mine Drainage to WTP	10/9/19	0.98	<0.14	10.7	<0.5	0.9	<0.061	2.5
Mine Drainage to WTP	11/7/19	1.75	<0.14	6.8	<0.5	1.3	<0.061	4.8
Mine Drainage to WTP	12/11/19	1.88	<0.14	12.9	<0.5	1.7	<0.061	3.3
Mine Drainage to WTP	1/9/20	1.8	<0.14	9.65	<0.5	1.2	<0.061	3.1
Mine Drainage to WTP	2/10/20	1.93	<0.14	10.4	<0.5	1.1	<0.061	2.5
Mine Drainage to WTP	3/4/20	2.14	<0.14	8.12	<0.5	1.2	<0.061	3.2
Mine Drainage to WTP	4/8/20	1.51	<0.14	12.8	<0.5	1.1	<0.061	2.4
Mine Drainage to WTP	5/7/20	1.5	<0.14	5.2	<0.5	1.21	<0.06	3.1
Mine Drainage to WTP	6/18/20	1.3	<0.14	7.4	<0.5	1.32	<0.06	3.9
Mine Drainage to WTP	7/8/20	1.6	<0.14	22.1	<0.5	1.51	<0.06	13.4
Mine Drainage to WTP	8/4/20	1.2	<0.14	11.5	<0.5	1.29	<0.06	3.2
Mine Drainage to WTP	9/3/20	1.04	<0.14	17.3	<0.50	1.25	<0.061	3.9
Mine Drainage to WTP	10/15/20	1.58	<0.14	5.8	<0.50	0.99	<0.061	3.3
Mine Drainage to WTP	11/3/20	1.26	<0.14	13.9	<0.50	1	<0.061	3.5
Mine Drainage to WTP	12/1/20	1.4	<0.14	115	0.74	1.62	<0.061	89.2
Mine Drainage to WTP	1/12/21	1.17	<0.14	36.8	<0.50	1.64	<0.061	11.4
Mine Drainage to WTP	2/17/21	<0.36	<0.14	13.4	<0.50	1.92	<0.061	6.2
Mine Drainage to WTP	3/22/21	1.28	<0.14	45.9	<0.50	1.18	<0.061	8
Mine Drainage to WTP	4/6/21	0.53	<0.14	87.5	1.55	0.94	<0.061	4.6
Mine Drainage to WTP	5/5/21	1.32	<0.14	5.99	<0.50	1.39	<0.061	3.9



Table 1		Dissolved Copper	Dissolved Lead	Dissolved Manganese	Dissolved Nickel	Dissolved Selenium	Dissolved Silver	Dissolved Zinc
Station Name	Collect Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Mine Drainage to WTP	6/1/21	1.38	<0.14	8.54	<0.50	1.39	<0.061	<2.0
Mine Drainage to WTP	7/6/21	<0.36	<0.14	24.9	0.18	1.46	<0.061	<2.0
Mine Drainage to WTP	8/3/21	0.62	<0.14	15	0.13	1.47	<0.061	5.5
Mine Drainage to WTP	9/2/21	0.46	<0.14	26.5	0.21	1.28	<0.061	3.7
Mine Drainage to WTP	10/14/21	0.82	<0.14	58.9	0.51	1.17	<0.061	10
Mine Drainage to WTP	11/2/21	<0.36	<0.14	41.8	0.17	1.49	<0.061	2.2
Mine Drainage to WTP	12/1/21	<0.36	<0.14	52.5	0.17	1.33	<0.061	3.3
Dam Seepage Sump	9/25/13	4	<0.16	119	46.1	2.1	<0.1	447
Dam Seepage Sump	10/23/13	7.3	<0.16	343	67.3	1.1	<0.1	740
Dam Seepage Sump	11/11/13	4.6	<0.16	723	56.1	2.1	<0.1	281
Dam Seepage Sump	12/11/13	3.2	<0.16	53.6	34.5	2.8	<0.1	312
Dam Seepage Sump	1/6/14	3.6	<0.16	513	24.2	2.9	<0.1	107
Dam Seepage Sump	2/10/14	3.1	<0.16	329	29.2	1.4	<0.1	204
Dam Seepage Sump	3/12/14	3.5	<0.16	135	11.3	1.3	<0.1	54.6
Dam Seepage Sump	4/9/14	1.9	<0.16	244	12.1	<1.0	<0.1	117
Dam Seepage Sump	5/19/14	3.8	<0.16	161	22.5	1.7	<0.1	119
Dam Seepage Sump	6/9/14	4.5	<0.16	421	63.7	1.3	<0.1	880
Dam Seepage Sump	7/24/14	3	<0.16	279	26.7	1.3	<0.1	298
Dam Seepage Sump	8/7/14	2.9	<0.16	236	25.1	1.1	<0.1	311
Dam Seepage Sump	9/3/14	3.1	<0.16	309	25.3	1.4	<0.1	305
Dam Seepage Sump	10/23/14	2.4	<0.16	185	18.4	<1.0	<0.1	199
Dam Seepage Sump	11/6/14	1.7	<0.16	350	15.2	1.1	<0.1	167
Dam Seepage Sump	12/3/14	1.7	<0.16	366	14.4	1.3	<0.1	164
Dam Seepage Sump	1/15/15	1.3	<0.16	321	7.8	<1.0	<0.1	72.9
Dam Seepage Sump	2/11/15	1.4	<0.16	558	11.2	<1.0	<0.1	122
Dam Seepage Sump	3/12/15	1.3	<0.16	751	11.6	<1.0	<0.1	119
Dam Seepage Sump	4/2/15	1.2	<0.16	680	11.1	<1.0	<0.1	124
Dam Seepage Sump	5/19/15	2	<0.16	534	14.4	<1.0	<0.1	197
Dam Seepage Sump	6/8/15	1.7	<0.16	770	19.7	1.5	<0.1	235
Dam Seepage Sump	7/7/15	2	<0.16	586	22.8	1	<0.1	280
Dam Seepage Sump	8/10/15	2	<0.16	388	21.2	1.4	<0.10	265
Dam Seepage Sump	9/1/15	2.6	<0.16	295	18.9	1.6	<0.1	265
Dam Seepage Sump	10/13/15	1.9	<0.16	214	9.4	<1.0	<0.10	75.3
Dam Seepage Sump	11/10/15	2.2	<0.16	69.1	8.5	1	<0.10	88.6
Dam Seepage Sump	12/14/15	1.7	<0.16	260	8.5	1.1	<0.10	110
Dam Seepage Sump	1/21/16	1.6	<0.16	480	7.5	1.1	<0.10	88
Dam Seepage Sump	2/11/16	1.6	<0.16	239	6.8	<1.0	<0.10	74.2
Dam Seepage Sump	3/17/16	1.2	<0.16	301	8.2	1	<0.10	88.9
Dam Seepage Sump	4/7/16	1.6	<0.16	434	8.3	1.2	<0.10	93
Dam Seepage Sump	5/17/16	1.8	<0.16	248	11.9	1.4	<0.10	106
Dam Seepage Sump	6/23/16	2.1	<0.16	297	14.3	1.4	<0.10	181
Dam Seepage Sump	7/18/16	2.2	<0.16	241	13.8	1.8	<0.10	174
Dam Seepage Sump	8/23/16	2.1	<0.16	282	15.5	2.2	<0.10	193
Dam Seepage Sump	9/22/16	2.2	<0.16	276	10	1.3	<0.10	114
Dam Seepage Sump	10/5/16	2.1	<0.16	409	11.8	1.8	<0.10	144
Dam Seepage Sump	11/17/16	1.3	<0.16	259	6.9	1.6	<0.10	72.8
Dam Seepage Sump	12/21/16	2.5	<0.16	441	21	<1.0	<0.10	305
Dam Seepage Sump	1/12/17	2.1	<0.16	262	25.2	<1.0	<0.10	334
Dam Seepage Sump	2/9/17	1.1	<0.16	340	5	1.2	<0.10	52.7
Dam Seepage Sump	3/20/17	1.5	<0.16	635	5.6	<1.0	<0.10	115
Dam Seepage Sump	4/18/17	1.8	<0.16	140	16.3	<1.0	<0.10	181
Dam Seepage Sump	5/16/17	1.5	<0.16	267	7.6	<1.0	<0.10	95
Dam Seepage Sump	6/22/17	2.2	<0.16	457	13.5	1.3	<0.10	124
Dam Seepage Sump	7/26/17	1.4	<0.16	361	13.1	2.2	<0.10	151
Dam Seepage Sump	8/21/17	15	<0.16	689	103	1.4	<0.10	1840
Dam Seepage Sump	9/25/17	1.9	<0.16	299	10.8	2.4	<0.10	145
Dam Seepage Sump	10/17/17	1.6	<0.16	279	7	2.2	<0.10	83
Dam Seepage Sump	11/9/17	1.6	<0.16	297	7	1.7	<0.10	92.5
Dam Seepage Sump	12/14/17	6.4	<0.16	188	35.8	<1.0	<0.10	534
Dam Seepage Sump	1/16/18	1.9	<0.16	215	2.9	<1.0	<0.10	30.3
Dam Seepage Sump	2/8/18	1.1	<0.16	330	3.7	<1.0	<0.10	77.3
Dam Seepage Sump	3/27/18	<1.0	<0.16	297	3.5	1.2	<0.10	42.7
Dam Seepage Sump	4/16/18	1.4	<0.16	148	20.2	<1.0	<0.10	228
Dam Seepage Sump	5/24/18	2.2	<0.16	180	10.3	12.6	<0.10	3.9
Dam Seepage Sump	6/25/18	2.7	<0.16	325	8.1	3.8	<0.10	103
Dam Seepage Sump	7/18/18	2.4	<0.16	349	11	3.6	<0.10	126
Dam Seepage Sump	8/13/18	21.9	<0.16	255	76	9.1	<0.10	76.4
Dam Seepage Sump	9/20/18	15.7	<0.16	<1.0	3.4	3.9	<0.10	2.6
Dam Seepage Sump	10/11/18	4.8	<0.16	197	15	3.3	<0.10	203
Dam Seepage Sump	11/13/18	2.3	<0.16	293	9.7	1.9	<0.10	131
Dam Seepage Sump	12/6/18	2	<0.16	199	9.3	1.4	<0.10	108
Dam Seepage Sump	1/24/19	1.4	<0.16	367	6.3	1.9	<0.10	76.5
Dam Seepage Sump	2/26/19	1.37	<0.14	437	6.2	2.4	<0.061	83.1
Dam Seepage Sump	3/14/19	1.16	<0.14	448	5	1.8	<0.061	48.9
Dam Seepage Sump	4/11/19	1.23	<0.14	392	6	2.5	<0.061	75.1
Dam Seepage Sump	5/7/19	1.61	<0.14	377	6.3	2.3	<0.061	92.4
Dam Seepage Sump	6/18/19	1.78	<0.14	353	8.5	2	<0.061	122
Dam Seepage Sump	7/17/19	1.99	<0.14	474	10.8	4.1	<0.061	170
Dam Seepage Sump	8/15/19	1.93	<0.14	335	11.6	1.8	<0.061	169
Dam Seepage Sump	9/17/19	2.15	<0.14	434	11.9	3.1	<0.061	175
Dam Seepage Sump	10/9/19	2.48	<0.14	308	12.4	2.7	<0.061	169
Dam Seepage Sump	11/7/19	1.92	<0.14	306	7.6	2.4	<0.061	91
Dam Seepage Sump	12/11/19	1.71	<0.14	288	6.3	2.3	<0.061	80.4
Dam Seepage Sump	1/9/20	1.52	<0.14	305	4.6	1.2	<0.061	209
Dam Seepage Sump	2/13/20	1.14	<0.14	526	6.8	1.4	<0.061	77.5
Dam Seepage Sump	3/4/20	1.42	<0.14	296	5.9	2.3	<0.061	77.9
Dam Seepage Sump	4/14/20	1.58	<0.14	438	8.7	2.2	<0.061	91
Dam Seepage Sump	5/7/20	1.3	<0.14	230	4.5	1.49	<0.06	54.6
Dam Seepage Sump	6/16/20	1.4	<0.14	356	7.6	2.9	<0.06	102
Dam Seepage Sump	7/8/20	1.9	<0.14	359	9.8	2.34	<0.06	123
Dam Seepage Sump	8/4/20	1.9	<0.14	334	11.2	2.8	<0.06	140
Dam Seepage Sump	9/3/20	2.29	<0.14	274	11.9	3.13	<0.061	151
Dam Seepage Sump	10/15/20	2.25	<0.14	281	10.2	3.06	<0.061	130
Dam Seepage Sump	11/3/20	1.71	<0.14	282	7.57	3.29	<0.061	95.5



Table 1		Dissolved Copper	Dissolved Lead	Dissolved Manganese	Dissolved Nickel	Dissolved Selenium	Dissolved Silver	Dissolved Zinc
Station Name	Collect Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dam Seepage Sump	12/3/20	2.42	<0.14	20.4	2.96	2.73	<0.061	33.1
Dam Seepage Sump	1/12/21	1.41	<0.14	270	4.67	2.25	<0.061	55.2
Dam Seepage Sump	2/17/21							
Dam Seepage Sump	3/22/21	1.7	<0.14	245	6.26	2.44	<0.061	83.5
Dam Seepage Sump	4/6/21	2.06	<0.14	316	7.45	2.32	<0.061	97.5
Dam Seepage Sump	5/5/21	1.33	<0.14	181	3.4	1.95	<0.061	37.8
Dam Seepage Sump	6/1/21	1.44	<0.14	218	4.07	2.37	<0.061	46.8
Dam Seepage Sump	7/6/21	2.02	<0.14	235	6.49	2.51	<0.061	81.2
Dam Seepage Sump	8/3/21	1.57	<0.14	288	7.89	2.78	<0.061	103
Dam Seepage Sump	9/2/21	2.04	<0.14	289	9.38	3.25	<0.061	120
Dam Seepage Sump	10/14/21	1.42	<0.14	198	4.96	2.31	<0.061	60.8
Dam Seepage Sump	11/2/21	1.39	<0.14	311	6.33	2.68	<0.061	84.1
Dam Seepage Sump	12/1/21	1.14	<0.14	331	5.56	2.98	<0.061	71.7
GPPTP	9/30/13	1.4	<0.16	808	5	2.9	<0.1	8
GPPTP	10/23/13	1.4	<0.16	43.3	5.1	1.3	<0.1	3.8
GPPTP	11/11/13	1.5	<0.16	187	9.9	1.7	<0.1	9.5
GPPTP	4/22/14	2.1	<0.16	84.7	15.1	1.7	<0.1	189
GPPTP	6/4/14	3.9	<0.16	57.2	11.1	1.1	<0.1	109
GPPTP	7/24/14	3.2	<0.16	171	5.8	2.1	<0.1	24.4
GPPTP	8/11/14	<1.0	<0.16	564	6.2	1.8	<0.1	5.8
GPPTP	9/18/14	1.7	<0.16	6.4	<1.0	1.3	<0.1	<2.5
GPPTP	10/27/14	2.5	<0.16	10	1.9	<1.0	<0.1	6.3
GPPTP	1/26/15	1.5	<0.16	121	18.1	<1.0	<0.1	150
GPPTP	3/16/15	1.1	<0.16	149	12.1	<1.0	<0.1	123
GPPTP	4/13/15	1.6	<0.16	42.7	4.2	<1.0	<0.1	62
GPPTP	5/18/15	2.2	<0.16	176	4.4	1.3	<0.1	21.4
GPPTP	6/4/15	3	<0.16	147	5.1	1.1	<0.1	36.7
GPPTP	7/13/15	3.1	<0.16	208	10.8	1.4	<0.1	51.6
GPPTP	8/17/15	2.3	<0.16	58.6	5.4	<1.0	<0.10	80
GPPTP	9/1/15	1.9	<0.16	73.3	21.5	1.8	<0.1	23.4
GPPTP	10/12/15	6.6	<0.16	185	23.8	<1.0	<0.10	456
GPPTP	11/4/15	2.8	<0.16	251	33	<1.0	<0.10	565
GPPTP	12/15/15	3	<0.16	572	29.4	1.1	<0.1	211
GPPTP	1/21/16	2.1	<0.16	209	12.3	<1.0	<0.10	55.8
GPPTP	2/18/16	1.6	<0.16	695	8.5	<1.0	<0.10	24.9
GPPTP	3/24/16	<1.0	<0.16	182	3	<1.0	<0.10	13.4
GPPTP	4/7/16	1.8	<0.16	108	3.8	1	<0.10	26.8
GPPTP	5/19/16	2.9	<0.16	67.1	2.2	1.1	<0.10	11.6
GPPTP	6/16/16	2	<0.16	20.5	14.7	<1.0	<0.10	15.4
GPPTP	7/21/16	3	<0.16	43.1	4	1.2	<0.10	15.6
GPPTP	8/9/16	3	<0.16	9.1	2	<1.0	<0.10	9.9
GPPTP	9/20/16	3.1	<0.16	53.1	5.1	<1.0	<0.10	38.5
GPPTP	10/6/16	1.9	<0.16	29	4.5	1.1	<0.10	31.5
GPPTP	11/29/16	2.3	<0.16	238	16.5	<1.0	<0.10	166
GPPTP	12/28/16	3.2	<0.16	276	15	<1.0	<0.10	288
GPPTP	1/25/17	<1.0	<0.16	151	1.4	<1.0	<0.10	<2.5
GPPTP	4/18/17	7.6	<0.16	20.5	10.6	1.6	<0.10	10
GPPTP	5/16/17	2.1	<0.16	100	4.6	<1.0	<0.10	32.4
GPPTP	6/22/17	2.5	<0.16	7.3	15.8	<1.0	<0.10	5.3
GPPTP	7/26/17	2	<0.16	300	33	<1.0	<0.10	40.2
GPPTP	8/28/17	1.4	<0.16	168	4.7	<1.0	<0.10	15.8
GPPTP	9/25/17	2.3	<0.16	30.3	5	<1.0	<0.10	159
GPPTP	10/26/17	1.4	<0.16	123	4.7	<1.0	<0.10	45.5
GPPTP	11/9/17	1.8	<0.16	31.3	2.3	<1.0	<0.10	25.9
GPPTP	12/19/17	1.2	<0.16	101	7.7	<1.0	<0.10	73
GPPTP	4/16/18	<1.0	<0.16	149	4.6	<1.0	<0.10	14.1
GPPTP	6/25/18	2.7	<0.16	172	17.9	3.1	<0.10	216
GPPTP	7/18/18	8	<0.16	20.5	5.3	5.9	<0.10	14.7
GPPTP	8/13/18	<1.0	<0.16	24	1.2	1.5	<0.10	14.1
GPPTP	9/17/18	1.4	<0.16	19.7	4.8	<1.0	<0.10	8.2
GPPTP	10/15/18	<1.0	<0.16	15.4	<1.0	1.5	<0.10	6
GPPTP	11/13/18	1.6	<0.16	26.3	5	<1.0	<0.10	11.4
GPPTP	12/6/18	<1.0	<0.16	1700	12.2	1.6	<0.10	27.8
GPPTP	4/1/19	1.03	<0.14	7470	91.2	1.1	<0.061	351
GPPTP	5/7/19	<0.36	<0.14	63.3	2.7	0.3	<0.061	19.3
GPPTP	6/18/19	3.53	<0.14	54.7	10.4	0.3	<0.061	64.7
GPPTP	7/17/19	0.87	<0.14	20.1	2.4	0.5	<0.061	34.2
GPPTP	8/15/19	<0.36	<0.14	54	3.4	0.2	<0.061	36.2
GPPTP	9/17/19	0.48	<0.14	367	4.2	0.3	<0.061	33
GPPTP	10/9/19	4.01	<0.14	0.668	1.2	2.1	<0.061	4
GPPTP	11/7/19	2.34	<0.14	51.9	6	1.1	<0.061	92.2
GPPTP	12/5/19	1.83	<0.14	16.6	2.5	1.2	<0.061	20.6
GPPTP	1/27/20	<0.36	<0.14	1010	1.8	<0.2	<0.061	7
GPPTP	2/10/20	1.14	<0.14	30.8	14.7	0.5	<0.061	47.8
GPPTP	3/4/20	1.36	<0.14	23.2	2	0.7	<0.061	19.9
GPPTP	4/13/20	1.76	<0.14	11.4	3.5	0.6	<0.061	24
GPPTP	5/6/20	1.8	<0.14	47.1	8.7	0.86	<0.06	206
GPPTP	6/16/20	1.4	<0.14	53.5	6.4	0.78	<0.06	66.5
GPPTP	7/13/20	1.7	<0.14	37.6	5	0.67	<0.06	37.5
GPPTP	8/4/20	5	<0.14	96.7	23.2	0.79	<0.06	334
GPPTP	9/3/20	2.85	<0.14	38.6	7.26	0.95	<0.061	310
GPPTP	10/15/20	1.81	<0.14	32.6	6.63	0.86	<0.061	145
GPPTP	11/3/20	2.46	<0.14	27.9	4.28	0.68	<0.061	16.2
GPPTP	12/1/20	2.49	<0.14	80	11.3	0.58	<0.061	227
GPPTP	1/12/21	1.22	<0.14	27.1	4.6	0.54	<0.061	75.7
GPPTP	2/17/21	1.32	<0.14	51.4	5.07	0.33	<0.061	76.6
GPPTP	3/22/21	0.99	<0.14	72.5	4.05	<0.24	<0.061	31.9
GPPTP	4/6/21	0.8	<0.14	49.7	2.27	0.43	<0.061	12.1
GPPTP	5/5/21	1.25	<0.14	39.2	3.96	0.76	<0.061	74.3
GPPTP	6/1/21	1.06	<0.14	42.1	4.32	0.54	<0.061	65.3
GPPTP	7/6/21	1.21	<0.14	6.28	1.12	0.58	<0.061	<2.0
GPPTP	8/3/21	0.83	<0.14	28.1	1.54	0.34	<0.061	24.6
GPPTP	9/2/21	1.67	<0.14	11.3	3.21	1.24	<0.061	32.3
GPPTP	10/14/21	2.32	<0.14	2.19	1.94	2.12	<0.061	19.7





Table 1		Dissolved Copper	Dissolved Lead	Dissolved Manganese	Dissolved Nickel	Dissolved Selenium	Dissolved Silver	Dissolved Zinc
Station Name	Collect Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
GPPTP	11/4/21	1.04	<0.14	6.19	0.58	0.61	<0.061	14.3
GPPTP	12/31/21							
GP Western Seep	9/30/13	72.2	<0.16	6580	721	3.4	<0.1	17000
GP Eastern Seep	9/30/13	158	0.91	1030	197	1.5	<0.1	1780
GP Western Seep	9/3/14	12.7	<0.16	3340	391	1.5	<0.1	6570
GP Eastern Seep	9/3/14	3.6	<0.16	221	42.8	<1.0	<0.1	213
GP Western Seep	9/1/15	4.3	<0.16	1090	197	1.2	<0.1	2830
GP Eastern Seep	9/1/15	208	0.53	1040	202	3.3	<0.1	1490
GP Western Seep	9/22/16	55	0.22	800	134	<1.0	<0.10	3150
GP Eastern Seep	9/22/16	7	<0.16	97.1	23.9	<1.0	<0.10	106
GP Western Seep	9/25/17	6.1	<0.16	646	102	1.1	<0.10	1880
GP Eastern Seep	9/25/17	10.5	<0.16	212	54.8	1.2	<0.10	338
GP Western Seep	9/26/19	366	0.38	1970	558	12.1	<0.061	14600
GP Eastern Seep	9/3/20	40	<0.14	485	117	1.8	<0.061	2850
GP Western Seep	9/3/20	25	<0.14	226	55.5	1.46	<0.061	364
GP Western Seep	9/2/21	231	0.31	721	257	2.88	<0.061	5160
GP Eastern Seep	9/8/21	7.59	<0.14	94.6	28.9	1.9	<0.061	149
TTF Pond	9/25/13	<1.0	<0.16	225	3.9	<1.0	<0.1	4.1
TTF Pond	10/23/13	1.1	<0.16	187	3.7	<1.0	<0.1	2.6
TTF Pond	12/10/13	1.1	<0.16	132	2.3	<1.0	<0.1	3.1
TTF Pond	1/6/14	<1.0	<0.16	121	1.4	<1.0	<0.1	23.8
TTF Pond	2/10/14	<1.0	<0.16	141	1.7	<1.0	<0.1	3.3
TTF Pond	3/12/14	<1.0	<0.16	164	1.5	<1.0	<0.1	<2.5
TTF Pond	4/9/14	<1.0	<0.16	187	1.3	<1.0	<0.1	<2.5
TTF Pond	5/19/14	<1.0	<0.16	190	1.8	<1.0	<0.1	4.2
TTF Pond	6/9/14	<1.0	<0.16	185	1.8	<1.0	<0.1	3.3
TTF Pond	7/24/14	1.5	<0.16	108	2.7	<1.0	<0.1	4
TTF Pond	10/23/14	<1.0	<0.16	255	1.7	<1.0	<0.1	<2.5
TTF Pond	1/15/15	1.3	<0.16	241	<1.0	<1.0	<0.1	3.1
TTF Pond	4/2/15	<1.0	<0.16	170	1.1	<1.0	<0.1	<2.5
TTF Pond	7/7/15	<1.0	<0.16	128	1.1	<1.0	<0.1	2.5
TTF Pond	10/13/15	1.4	<0.16	119	3.6	<1.0	<0.10	<2.5
TTF Pond	1/21/16	<1.0	<0.16	114	1.1	<1.0	<0.10	<2.5
TTF Pond	4/7/16	<1.0	<0.16	135	<1.0	<1.0	<0.10	<2.5
TTF Pond	7/18/16	1	<0.16	120	1.1	<1.0	<0.10	<2.5
TTF Pond	10/5/16	1.1	<0.16	180	1.4	<1.0	<0.10	2.7
TTF Pond	1/11/17	<1.0	<0.16	133	1.1	<1.0	<0.10	<2.5
TTF Pond	4/18/17	<1.0	<0.16	161	1.1	<1.0	<0.10	<2.5
TTF Pond	7/26/17	<1.0	<0.16	99.7	<1.0	<1.0	<0.10	3.4
TTF Pond	10/17/17	<1.0	<0.16	186	1.4	<1.0	<0.10	3
TTF Pond	1/16/18	<1.0	<0.16	169	1.3	<1.0	<0.10	<2.5
TTF Pond	4/16/18	<1.0	<0.16	179	1.1	<1.0	<0.10	<2.5
TTF Pond	7/18/18	<1.0	<0.16	109	1	<1.0	<0.10	6.3
TTF Pond	10/11/18	3.4	0.18	149	1.1	<1.0	<0.10	6.5
TTF Pond	1/24/19	<1.0	<0.16	215	1.5	<1.0	<0.10	3.6
TTF Pond	4/11/19	<0.36	<0.14	231	1.5	0.3	<0.061	4.3
TTF Pond	7/17/19	0.82	<0.14	113	1.4	0.6	<0.061	5
TTF Pond	10/9/19	0.6	<0.14	136	1.2	0.5	<0.061	<2.0
TTF Pond	1/9/20	0.67	<0.14	176	1.4	0.5	<0.061	2.3
TTF Pond	4/9/20	1.18	<0.14	233	1.7	0.4	<0.061	5.8
TTF Pond	7/8/20	0.5	<0.14	139	1.2	0.45	<0.06	2.3
TTF Pond	10/15/20	0.84	<0.14	153	0.93	0.38	<0.061	9.7
TTF Pond	1/12/21	0.71	<0.14	178	0.89	0.56	<0.061	<2.0
TTF Pond	4/6/21	0.61	<0.14	197	1.12	<0.24	<0.061	5.4
TTF Pond	7/6/21	0.67	<0.14	101	0.67	0.42	<0.061	<2.0
TTF Pond	10/14/21	0.9	<0.14	166	0.7	0.37	<0.061	2.8
ARD-SUMP	9/24/13	12.8	<0.16	26000	600	3.3	<0.1	7710
ARD-SUMP	10/1/13	6.8	<0.16	25200	446	2.6	<0.1	5630
ARD-SUMP	10/8/13	5.7	<0.16	26900	202	2.3	<0.1	2410
ARD-SUMP	10/15/13	5.4	<0.16	22400	237	2.7	<0.1	1820
ARD-SUMP	10/22/13	3.6	<0.16	24600	189	2	<0.1	2070
ARD-SUMP	10/29/13	4.7	<0.16	17400	166	1.1	<0.1	1200
ARD-SUMP	11/5/13	4.9	<0.16	8600	122	1.9	<0.1	1610
ARD-SUMP	11/12/13	5.8	<0.16	21600	143	<1.0	<0.1	1730
ARD-SUMP	5/22/14	3.2	<0.2	10400	73.4	2.6	<0.1	175
ARD-SUMP	6/3/14	2.9	<0.16	7180	21.2	1.6	<0.1	75.5
ARD-SUMP	6/10/14	2.1	<0.16	22400	65.5	2.2	<0.1	211
ARD-SUMP	6/17/14	1.8	<0.16	4720	11.9	1.1	<0.1	36.8
ARD-SUMP	6/23/14	1.3	<0.16	7990	36	3.3	<0.1	141
ARD-SUMP	7/1/14	1.7	<0.16	20500	52.1	1.7	<0.1	124
ARD-SUMP	7/8/14	3.1	<0.16	6500	32.8	4.4	<0.1	104
ARD-SUMP	7/15/14	2	<0.16	16700	55.6	1.4	<0.1	120
ARD-SUMP	7/22/14	1.8	<0.16	25300	63.1	2.3	<0.1	118
ARD-SUMP	7/29/14	1.7	<0.16	2960	8.4	1.2	<0.1	17.7
ARD-SUMP	8/5/14	1.1	<0.16	27500	25.6	2.1	<0.1	16.8
ARD-SUMP	8/12/14	1.8	<0.2	13900	29.9	2	<0.1	95
ARD-SUMP	8/19/14	1.7	<0.16	18300	22.4	1.6	<0.1	39.8
ARD-SUMP	8/26/14	1.7	<0.16	8670	12.3	1.5	<0.1	21.7
ARD-SUMP	9/2/14	1.4	<0.16	19900	24.9	1.7	<0.1	49.8
ARD-SUMP	9/9/14	1.2	<0.16	20100	25.1	1.2	<0.1	61.1
ARD-SUMP	9/16/14	1	<0.16	12900	13.6	1.4	<0.1	29.8
ARD-SUMP	9/23/14	1.2	<0.16	11800	18.3	1.9	<0.1	42.1
ARD-SUMP	9/30/14	1.5	<0.16	4060	12	<1.0	<0.1	36.6
ARD-SUMP	10/7/14	1.3	<0.16	9410	22	1.5	0.2	74.2
ARD-SUMP	10/13/14	1.2	<0.16	10500	21.6	1.4	<0.1	72.6
ARD-SUMP	10/21/14	1.5	<0.16	13300	27.7	1.2	<0.1	87.4
ARD-SUMP	10/28/14	1.3	<0.2	20700	27.8	1.8	0.1	71.3
ARD-SUMP	11/4/14	<1.0	<0.16	6110	10.9	<1.0	<0.1	39
ARD-SUMP	11/11/14	1.1	<0.16	18500	29.2	2	0.2	76.7
ARD-SUMP	11/18/14	1.4	<0.2	23500	36	1.8	0.2	126
ARD-SUMP	12/16/14	1.2	<0.16	10400	21.7	1.3	<0.1	81
ARD-SUMP	12/22/14	1.3	<0.16	13600	24	1.2	<0.1	78.9
ARD-SUMP	3/31/15	<1.0	<0.16	18800	24.1	2.2	<0.1	63.9
ARD-SUMP	4/7/15	1.3	<0.16	20200	24.3	1.6	<0.1	53.2



Table 1		Dissolved Copper	Dissolved Lead	Dissolved Manganese	Dissolved Nickel	Dissolved Selenium	Dissolved Silver	Dissolved Zinc
Station Name	Collect Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ARD-SUMP	4/13/15	1.2	<0.16	7130	14.9	1.2	<0.1	51
ARD-SUMP	4/20/15	1.1	<0.2	8290	17.1	1.3	<0.1	57.3
ARD-SUMP	4/27/15	1.3	<0.16	13200	19.8	1.3	<0.1	39.5
ARD-SUMP	5/4/15	1.3	<0.16	19100	22.7	1.8	0.2	24
ARD-SUMP	5/11/15	1.3	<0.16	14100	17.2	1.6	<0.1	25
ARD-SUMP	5/18/15	1.3	<0.16	20300	18.9	2.3	<0.1	14.9
ARD-SUMP	5/26/15	1.3	<0.16	23400	19.5	2.3	<0.1	14.2
ARD-SUMP	6/1/15	1.3	<0.16	22900	16.6	1.8	<0.1	4.5
ARD-SUMP	6/8/15	2.5	<0.16	15400	17.1	1.7	<0.1	30.5
ARD-SUMP	6/15/15	<1.0	<0.16	22900	15.6	1.5	<0.1	6.4
ARD-SUMP	6/22/15	<1.0	<0.16	27800	16.1	1.4	<0.1	9.8
ARD-SUMP	6/29/15	2	<0.16	7130	7.1	2.7	<0.1	6.4
ARD-SUMP	7/6/15	<1.0	<0.2	25000	12.8	1.7	<0.1	3.6
ARD-SUMP	7/13/15	1.2	<0.16	6600	7.1	1	<0.1	7.5
ARD-SUMP	7/20/15	<1.0	<0.16	12600	11.8	1.1	<0.1	11
ARD-SUMP	7/27/15	1.4	<0.16	4520	7.5	<1.0	<0.10	12.3
ARD-SUMP	8/3/15	1.1	0.28	18400	18.5	1.2	<0.1	9.3
ARD-SUMP	8/10/15	<1.0	<0.16	21400	16	1	<0.10	7.6
ARD-SUMP	8/17/15	1.5	<0.16	6780	9.4	1.1	<0.10	10.9
ARD-SUMP	8/24/15	1.5	<0.16	11700	25.1	1.7	<0.10	57.9
ARD-SUMP	8/31/15	1	<0.16	3840	11.9	1.2	<0.1	37.2
ARD-SUMP	9/8/15	1.8	<0.16	15400	21.1	1.4	<0.1	16.5
ARD-SUMP	9/14/15	2.1	<0.16	15100	18	1.2	<0.1	27.1
ARD-SUMP	9/21/15	1.5	<0.16	2620	5.5	<1.0	<0.10	15
ARD-SUMP	9/28/15	1.4	<0.16	4770	9.1	<1.0	<0.10	32.3
ARD-SUMP	10/5/15	2.3	<0.16	17400	18.5	1.6	<0.10	23.9
ARD-SUMP	10/12/15	1.9	<0.16	7150	18.6	2.3	<0.10	65.1
ARD-SUMP	10/19/15	6.2	<0.16	7680	14.5	1.6	<0.10	21.9
ARD-SUMP	10/26/15	2.3	<0.16	17900	14.8	2	<0.1	17.3
ARD-SUMP	11/2/15	3.9	<0.16	15600	13.6	1.2	<0.10	15.5
ARD-SUMP	11/9/15	4.2	<0.16	7220	9.9	1	<0.10	10.6
ARD-SUMP	11/16/15	1.7	<0.16	12100	11.4	<1.0	<0.040	7
ARD-SUMP	11/30/15	5.1	<0.16	4080	8.9	1.5	<0.1	17.9
ARD-SUMP	12/8/15	2.1	<0.16	12100	16.2	1.4	<0.10	21.3
ARD-SUMP	1/19/16	1.1	<0.16	15300	16.5	1.2	<0.10	19.3
ARD-SUMP	1/25/16	1.7	<0.16	4050	10.1	1.4	<0.10	46.8
ARD-SUMP	2/2/16	1.2	<0.16	14300	13.9	<1.0	<0.10	29.4
ARD-SUMP	2/8/16	1.2	<0.16	13400	13.3	<1.0	<0.10	23.5
ARD-SUMP	2/15/16	1.5	<0.16	9170	10.8	<1.0	<0.10	26.2
ARD-SUMP	2/22/16	1.2	<0.16	14600	13	<1.0	<0.10	20.4
ARD-SUMP	2/29/16	1.3	<0.16	7410	9.6	<1.0	<0.10	16.1
ARD-SUMP	3/7/16	1.2	<0.16	12600	10.9	1.6	<0.10	11.7
ARD-SUMP	3/14/16	1.7	<0.16	12800	11.1	1.2	<0.10	21.1
ARD-SUMP	3/21/16	1.4	<0.16	17400	11.6	<1.0	<0.10	11.5
ARD-SUMP	3/28/16	<1.0	<0.16	17000	11.9	<1.0	<0.10	12.7
ARD-SUMP	4/4/16	<1.0	<0.16	21100	10.8	1.4	<0.10	10.7
ARD-SUMP	4/11/16	1.6	<0.16	12500	8.5	1.2	<0.10	12.1
ARD-SUMP	4/18/16	1.3	<0.16	14900	11.7	1.3	<0.10	16
ARD-SUMP	4/25/16	<1.0	<0.16	15800	9	1.1	<0.10	7
ARD-SUMP	5/2/16	1.4	<0.16	3990	13	2.1	<0.10	59.6
ARD-SUMP	5/9/16	<1.0	<0.16	12300	10.3	1.1	<0.10	9.7
ARD-SUMP	5/16/16	2.8	<0.16	9290	10.5	2.4	<0.10	3
ARD-SUMP	5/23/16	<1.0	<0.16	18600	9.5	1.4	<0.10	6.1
ARD-SUMP	5/31/16	<1.0	<0.16	20400	7.5	1.8	<0.10	2.7
ARD-SUMP	6/6/16	1.1	<0.16	10900	8.5	<1.0	<0.10	6.4
ARD-SUMP	6/13/16	1.2	<0.16	13500	7	<1.0	<0.10	2.5
ARD-SUMP	6/20/16	1	<0.16	22100	7.9	1.4	<0.10	4.7
ARD-SUMP	6/27/16	1.3	<0.16	14300	5.8	2.1	<0.10	2.9
ARD-SUMP	7/5/16	1.2	<0.16	14100	5.9	2.1	<0.10	<2.5
ARD-SUMP	7/11/16	1.4	<0.16	17100	6.4	2.5	<0.10	<2.5
ARD-SUMP	7/18/16	1.5	<0.16	14700	5	2.3	<0.10	2.6
ARD-SUMP	7/25/16	1.4	<0.16	13100	5.9	2	<0.10	3.2
ARD-SUMP	8/1/16	1.2	<0.16	16700	8.8	1.8	<0.10	6.8
ARD-SUMP	8/8/16	1.3	<0.16	11100	6.1	1.8	<0.10	4
ARD-SUMP	8/15/16	4.6	<0.16	5690	7.6	1.8	<0.10	9.4
ARD-SUMP	8/22/16	1.6	<0.16	14800	7.8	1.8	<0.10	8.2
ARD-SUMP	8/29/16	1.5	<0.16	15800	9.6	1.6	<0.10	7.7
ARD-SUMP	9/6/16	2.1	<0.16	11300	6.6	2.4	<0.10	4
ARD-SUMP	9/12/16	1.9	<0.16	11800	8.3	1.8	<0.10	8.5
ARD-SUMP	9/19/16	1.2	<0.16	9610	10.1	1.5	<0.10	9.1
ARD-SUMP	9/26/16	1.1	<0.16	12200	10.3	1.7	<0.10	10.6
ARD-SUMP	10/3/16	1.1	<0.16	18000	8.5	2	<0.10	9.3
ARD-SUMP	10/10/16	1.4	<0.16	18100	11.7	2.2	<0.10	22.6
ARD-SUMP	10/17/16	2.1	<0.16	2230	2.7	1.3	<0.10	8.1
ARD-SUMP	10/24/16	<1.0	<0.16	11900	7.5	1.5	<0.10	6.3
ARD-SUMP	10/31/16	1	<0.16	13300	8.3	1.8	<0.10	10.4
ARD-SUMP	11/7/16	1.1	<0.16	5620	4.4	<1.0	<0.10	4.5
ARD-SUMP	11/14/16	1.2	<0.16	6530	7.6	1.2	<0.10	18
ARD-SUMP	11/21/16	<1.0	<0.16	15200	9.5	1.6	<0.10	24.4
ARD-SUMP	11/28/16	<1.0	<0.16	14200	9.9	1.6	<0.10	25.6
ARD-SUMP	1/30/17	2.4	<0.16	7360	8	1.3	<0.10	21.2
ARD-SUMP	4/17/17	1.1	<0.16	1810	2.5	<1.0	<0.10	7.5
ARD-SUMP	4/24/17	1	<0.16	13900	11.2	1.6	<0.10	24
ARD-SUMP	5/1/17	1.6	<0.16	2530	4.6	<1.0	<0.10	10.1
ARD-SUMP	5/8/17	1.3	<0.16	710	1.7	1.4	<0.10	6.3
ARD-SUMP	5/15/17	1.2	<0.16	3230	3.6	<1.0	<0.10	5.2
ARD-SUMP	5/22/17	1.3	<0.16	7890	9.8	2.2	<0.10	32.7
ARD-SUMP	5/30/17	<1.0	<0.16	16700	9.4	1.9	<0.10	8.5
ARD-SUMP	6/5/17	1.5	<0.16	12800	6.2	<1.0	<0.10	7.6
ARD-SUMP	6/15/17	1.8	<0.16	13700	5.5	<1.0	<0.10	6.1
ARD-SUMP	6/20/17	<1.0	<0.16	8470	4.4	<1.0	<0.10	7.4
ARD-SUMP	6/26/17	3.3	<0.16	14000	8.9	<1.0	<0.10	16.5
ARD-SUMP	7/5/17	<1.0	<0.16	11000	7.5	1.5	<0.10	10.7
ARD-SUMP	7/10/17	<1.0	<0.16	11500	6.1	<1.0	<0.10	6.5



Table 1		Dissolved Copper	Dissolved Lead	Dissolved Manganese	Dissolved Nickel	Dissolved Selenium	Dissolved Silver	Dissolved Zinc
Station Name	Collect Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ARD-SUMP	7/17/17	<1.0	<0.16	13100	9.7	<1.0	<0.10	10.3
ARD-SUMP	7/24/17	<1.0	<0.16	12100	6	<1.0	<0.10	5.3
ARD-SUMP	7/31/17	<1.0	<0.16	15700	7.8	1.5	<0.10	7.3
ARD-SUMP	8/7/17	<1.0	<0.16	17900	8.3	1.2	<0.10	8.6
ARD-SUMP	8/14/17	<1.0	<0.16	8260	3.9	1.3	<0.10	5.8
ARD-SUMP	8/21/17	<1.0	<0.16	8120	10.3	1.9	<0.10	37.9
ARD-SUMP	8/28/17	<1.0	<0.16	9690	10.1	<1.0	<0.10	19.2
ARD-SUMP	9/5/17	<1.0	<0.16	6730	10.6	1.7	<0.10	28.8
ARD-SUMP	9/11/17	<1.0	<0.16	7580	12	1.1	<0.10	32.7
ARD-SUMP	9/18/17	<1.0	<0.16	10700	6.5	1.5	<0.10	7.9
ARD-SUMP	9/25/17	<1.0	<0.16	8980	9.5	1.3	<0.10	22.9
ARD-SUMP	10/2/17	<1.0	<0.16	5400	6.1	1.5	<0.10	20.5
ARD-SUMP	10/9/17	<1.0	<0.16	2450	5.2	1.1	<0.10	22.4
ARD-SUMP	10/16/17	1	<0.16	490	1.8	<1.0	<0.10	7.1
ARD-SUMP	10/23/17	<1.0	<0.16	5430	7.5	1.1	<0.10	33.8
ARD-SUMP	10/31/17	2.6	<0.16	2510	8.7	2.1	<0.10	41.2
ARD-SUMP	11/6/17	6.5	<0.16	3060	8.8	2.1	<0.10	18.9
ARD-SUMP	12/14/17	1.1	<0.16	326	3.1	1.2	<0.10	25.4
ARD-SUMP	12/18/17	1	<0.16	388	3.1	1.3	<0.10	17
ARD-SUMP	1/8/18	2.1	<0.16	51.7	<1.0	<1.0	<0.10	7.8
ARD-SUMP	1/16/18	4	0.24	67.2	1	<1.0	<0.10	10.4
ARD-SUMP	4/19/18	<1.0	<0.16	110	<1.0	<1.0	<0.10	3.2
ARD-SUMP	4/23/18	<1.0	<0.16	253	<1.0	<1.0	<0.10	6.1
ARD-SUMP	4/30/18	9.2	0.52	704	2.5	<1.0	<0.10	15.1
ARD-SUMP	5/7/18	1.8	<0.16	1790	5.3	<1.0	<0.10	17.8
ARD-SUMP	5/14/18	2.8	<0.16	5000	15.2	<1.0	<0.10	39
ARD-SUMP	5/21/18	3.1	<0.16	6170	17.2	<1.0	<0.10	32.6
ARD-SUMP	5/29/18	1.8	<0.16	3360	10.5	<1.0	<0.10	31.9
ARD-SUMP	6/7/18	1.8	<0.16	3150	9.1	<1.0	<0.10	21.1
ARD-SUMP	6/11/18	2.3	<0.16	3500	10.9	<1.0	<0.10	24.5
ARD-SUMP	6/18/18	2.2	<0.16	2860	9.2	<1.0	<0.10	16.8
ARD-SUMP	6/25/18	3.1	<0.16	4330	12.3	<1.0	<0.10	23.2
ARD-SUMP	7/2/18	3.6	<0.16	4180	11.9	<1.0	<0.10	16.9
ARD-SUMP	7/9/18	3.4	<0.16	3970	10.4	<1.0	<0.10	11.8
ARD-SUMP	7/16/18	3.7	<0.16	4130	9.5	<1.0	<0.10	11.1
ARD-SUMP	7/23/18	4.3	<0.16	3670	9	<1.0	<0.10	8.8
ARD-SUMP	7/30/18	4.3	<0.16	4240	10.1	<1.0	<0.10	11.7
ARD-SUMP	8/6/18	4.4	<0.16	4320	10.2	<1.0	<0.10	9.4
ARD-SUMP	8/13/18	3	<0.16	3270	6.5	<1.0	<0.10	8.1
ARD-SUMP	9/4/18	<1.0	<0.16	52.3	<1.0	<1.0	<0.10	196
ARD-SUMP	9/10/18	<1.0	<0.16	82.1	<1.0	<1.0	<0.10	271
ARD-SUMP	9/17/18	<1.0	<0.16	123	<1.0	<1.0	<0.10	392
ARD-SUMP	9/24/18	<1.0	<0.16	82.6	<1.0	<1.0	<0.10	388
ARD-SUMP	10/1/18	<1.0	<0.16	54.3	<1.0	<1.0	<0.10	237
ARD-SUMP	10/8/18	<1.0	<0.16	29.5	<1.0	<1.0	<0.10	131
ARD-SUMP	10/15/18	<1.0	<0.16	14.9	<1.0	<1.0	<0.10	22.3
ARD-SUMP	10/22/18	<1.0	<0.16	15.2	<1.0	<1.0	<0.10	24.8
ARD-SUMP	10/29/18	<1.0	<0.16	19.5	<1.0	<1.0	<0.10	29.1
ARD-SUMP	11/12/18	<1.0	<0.16	9.3	<1.0	<1.0	<0.10	16.6
ARD-SUMP	11/19/18	<1.0	<0.16	11.2	<1.0	<1.0	<0.10	15.2
ARD-SUMP	11/26/18	<1.0	<0.16	11.4	<1.0	<1.0	<0.10	12.3
ARD-SUMP	4/8/19	0.48	<0.14	17	<0.5	<0.2	<0.061	25.1
ARD-SUMP	4/15/19	0.79	<0.14	35.6	<0.5	<0.2	<0.061	27.3
ARD-SUMP	4/23/19	0.76	<0.14	29.4	<0.5	<0.2	<0.061	25.1
ARD-SUMP	4/29/19	0.82	<0.14	39	<0.5	<0.2	<0.061	26.3
ARD-SUMP	5/6/19	1.83	<0.14	37	<0.5	<0.2	<0.061	48.1
ARD-SUMP	5/13/19	1.45	<0.14	22.6	<0.5	<0.2	<0.061	33
ARD-SUMP	5/20/19	1.46	<0.14	12.7	<0.5	<0.2	<0.061	44.4
ARD-SUMP	5/28/19	2.44	<0.14	8.93	<0.5	<0.2	<0.061	45.7
ARD-SUMP	6/3/19	2.9	<0.14	3.53	0.5	<0.2	<0.061	33.6
ARD-SUMP	6/10/19	3.19	<0.14	1.84	0.6	0.2	<0.061	20.6
ARD-SUMP	6/17/19	1.41	<0.14	2.97	<0.5	<0.2	<0.061	23.4
ARD-SUMP	6/24/19	1.65	<0.14	2.26	<0.5	<0.2	<0.061	19.9
ARD-SUMP	7/1/19	2.25	<0.14	3.16	<0.5	<0.2	<0.061	13.4
ARD-SUMP	7/8/19	3.14	<0.14	6.71	0.6	<0.2	<0.061	25.5
ARD-SUMP	7/15/19	3.55	<0.14	6.41	0.7	0.3	<0.061	43.6
ARD-SUMP	7/22/19	2.69	<0.14	14.1	0.7	0.2	<0.061	48.9
ARD-SUMP	7/29/19	2.39	<0.14	6.77	0.8	0.2	<0.061	40.4
ARD-SUMP	8/5/19	2.32	<0.14	3.65	0.6	0.2	<0.061	33.2
ARD-SUMP	8/12/19	2.96	<0.14	2.07	0.7	0.2	<0.061	28.4
ARD-SUMP	8/19/19	2.53	<0.14	17.1	0.6	<0.2	<0.061	46.7
ARD-SUMP	8/26/19	1.22	<0.14	10.1	<0.5	<0.2	<0.061	39.3
ARD-SUMP	9/3/19	1.38	<0.14	10.4	<0.5	<0.2	<0.061	57.9
ARD-SUMP	9/9/19	1.28	<0.14	9.67	<0.5	<0.2	<0.061	65.5
ARD-SUMP	9/16/19	0.94	<0.14	6.59	<0.5	<0.2	<0.061	52.7
ARD-SUMP	9/23/19	<0.36	<0.14	3.27	<0.5	<0.2	<0.061	26.8
ARD-SUMP	9/30/19	0.52	<0.14	7.8	<0.5	<0.2	<0.061	50.3
ARD-SUMP	10/7/19	<0.36	<0.14	6.03	<0.5	<0.2	<0.061	22.8
ARD-SUMP	10/14/19	<0.36	<0.14	9.08	<0.5	<0.2	<0.061	18.6
ARD-SUMP	10/21/19	<0.36	<0.14	10.7	<0.5	<0.2	<0.061	19.4
ARD-SUMP	10/28/19	<0.36	<0.14	8.63	<0.5	<0.2	<0.061	16
ARD-SUMP	11/4/19	<0.36	<0.14	6.53	<0.5	<0.2	<0.061	15.6
ARD-SUMP	11/18/19	<0.36	<0.14	4.87	<0.5	<0.2	<0.061	8.4

**Table 2 - Annual Mine Sump Sediments  
Waste Management Permit - Section 1.7.3**

	Station Name	Mine Sump Sediments	Mine Sump Sediments	Mine Sump Sediments	Mine Sump Sediments	Mine Sump Sediments	Mine Sump Sediments	Mine Sump Sediments	Mine Sump Sediments
	Collect Date/Time	1/19/2017	4/18/2017	7/26/2017	10/17/2017	1/16/2018	1/24/2019	1/9/2020	1/12/2021
Total Dissolved Solids	mg/L	43	6210	41.2	90	56.7	57	62	27
Ammonia as N	mg/L	0.211	<0.050	0.07	0.05	0.164	<0.050	0.29	0.118
Nitrate as N	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.250	<0.250
pH lab	pH	8.61	6.59	9.39	8.86	9.27	8.71	8.89	7.91
Sulfate	mg/L	5.6	12.2	8.97	6.04	8.01	6.1	7.74	11.1
Hardness, Total	mg/L	24.5	1250	24.5	36.2	27.1	30	32	39.4
Total Recoverable Aluminum	mg/L	0.432	<0.20	0.463	0.203	0.166	0.609	0.381	0.174
Total Recoverable Arsenic	mg/L	<0.0050	<0.010	<0.020	<0.010	<0.0050	<0.010	<0.00300	<0.00300
Total Recoverable Cadmium	mg/L	<0.00020	0.00055	<0.00040	<0.00040	<0.00020	<0.00040	<0.00020	<0.000200
Total Chromium	mg/L	<0.0020	<0.0040	<0.0040	<0.0040	<0.0020	<0.0040	<0.0015	<0.00150
Total Recoverable Copper	mg/L	0.0016	0.0029	<0.010	<0.0020	<0.0010	<0.0020	0.00131	<0.00100
Total Recoverable Iron	mg/L	0.336	0.031	<0.020	0.043	0.038	0.225	0.137	<0.015
Total Recoverable Lead	mg/L	0.00028	0.00042	<0.00040	<0.00040	<0.00020	0.00121	<0.00100	<0.00100
Total Recoverable Manganese	mg/L	<0.010	5.86	<0.010	<0.010	<0.010	<0.010	0.0124	0.0089
Mercury Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020	<0.000200
Total Recoverable Nickel	mg/L	<0.0020	0.005	<0.0040	<0.0040	<0.0020	<0.0040	<0.0010	<0.00100
Total Recoverable Selenium	mg/L	<0.010	<0.020	<0.020	<0.020	<0.010	<0.020	<0.0050	<0.00500
Total Recoverable Silver	mg/L	<0.00020	<0.00040	<0.00040	<0.00040	<0.00020	<0.00040	<0.000100	<0.000100
Total Recoverable Zinc	mg/L	<0.0050	0.022	<0.050	<0.020	<0.0050	<0.010	<0.0050	<0.0050





**Table 3**

2013-2021 Development Rock ABA Results	Sulfur				Acid		Neutralization	Acid - Base
	Sulfur Forms (Acid Extractable and Non-extractable Sulfur) 3.2.6				Potential		Potential	Accounting
	3.2.4				1.3.1		3.2.3	1.3.1
	Sulfate	Pyritic	Non-extractable		t CaCO3/1000t	t CaCO3/1000t	t CaCO3/1000t	
wt%	wt%	wt%	wt%					
2013 Development Rock 1st Quarter	0.15	ND	0.16	0.16	4.9	39.2	34.3	
2013 Development Rock 2nd Quarter	0.03	0.03	ND	ND	ND	85.9	85.9	
2013 Development Rock 3rd Quarter	0.04	0.02	0.02	ND	0.5	9.3	8.8	
2013 Development Rock 4th Quarter	0.15	0.07	0.09	ND	2.7	91.2	88.5	
2014 Development Rock 1st Quarter	0.03	0.03	ND	ND	ND	78.4	78.4	
2014 Development Rock 2nd Quarter	0.17	0.03	0.14	ND	4.4	71.1	66.7	
2014 Development Rock 3rd Quarter	0.02	0.02	ND	ND	ND	65.3	65.3	
2014 Development Rock 4th Quarter	0.07	0.04	0.03	ND	0.8	65	64.2	
2015 Development Rock 1st Quarter	0.12	0.07	0.05	ND	1.4	115	113.6	
2015 Development Rock 2nd Quarter	0.15	0.06	0.09	ND	2.9	96.1	93.2	
2015 Development Rock 3rd Quarter	0.09	0.07	0.02	ND	0.6	71.9	71.3	
2015 Development Rock 4th Quarter	0.08	0.04	0.03	ND	1.1	111	109.9	
2016 Development Rock 1st Quarter	0.08	0.02	0.06	ND	2.0	78.7	76.7	
2016 Development Rock 2nd Quarter	0.03	0.03	ND	ND	ND	89.8	89.8	
2016 Development Rock 3rd Quarter	0.04	0.01	0.03	ND	1.0	90.6	89.6	
2016 Development Rock 4th Quarter	0.08	0.03	0.04	ND	1.3	70.4	69.1	
2017 Development Rock 1st Quarter	0.09	ND	0.01	ND	3.2	77.5	74.3	
2017 Development Rock 2nd Quarter	0.09	0.04	0.04	ND	1.3	94.9	93.6	
2017 Development Rock 3rd Quarter	0.33	0.17	0.16	ND	4.9	70	65.1	
2017 Development Rock 4th Quarter	0.09	0.02	0.07	0.07	2.1	101	98.9	
2018 Development Rock 1st Quarter	0.07	0.07	ND	ND	ND	94.9	94.9	
2018 Development Rock 2nd Quarter	0.13	0.11	0.01	ND	0.4	97.9	97.5	
2018 Development Rock 3rd Quarter	0.16	0.09	0.07	ND	2.2	106	103.8	
2018 Development Rock 4th Quarter	0.05	ND	0.04	ND	1.4	47.1	45.7	
2019 Development Rock 1st Quarter	0.22	0.09	0.12	ND	3.9	115	111	
2019 Development Rock 2nd Quarter	0.16	0.09	0.06	ND	1.9	125	123	
2019 Development Rock 3rd Quarter	0.07	0.07	ND	ND	ND	115	115	
2019 Development Rock 4th Quarter	0.20	0.13	0.07	ND	2.3	79.9	77.6	
2020 Development Rock 1st Quarter	0.25	0.11	0.14	ND	4.4	88.2	83.8	
2020 Development Rock 2nd Quarter	0.06	0.03	0.03	ND	0.9	60	59.1	
2020 Development Rock 3rd Quarter	0.07	0.07	ND	ND	ND	23.8	23.8	
2020 Development Rock 4th Quarter	0.04	0.04	ND	ND	ND	67.3	67.3	
2021 Development Rock 1st Quarter	0.21	0.04	0.16	ND	5.2	43.7	38.6	
2021 Development Rock 2nd Quarter	ND	ND	ND	ND	ND	59.9	59.9	
2021 Development Rock 3rd Quarter	0.04	ND	0.04	ND	1.4	49.9	48.5	
2021 Development Rock 4th Quarter	0.04	ND	0.05	ND	1.6	59.2	57.6	

Table 3

2013-2021 Tails MWMP Results	TDS (mg/L)	pH	NH <sub>3</sub> (mg/L)	Al (ug/L)	As (ug/L)	Cd (ug/L)	Cr (ug/L)	Cu (ug/L)	Fe (ug/L)	Pb (ug/L)	Hg (ug/L)	Ni (ug/L)	Se (ug/L)	Ag (ug/L)	Zn (ug/L)	Nitrate as N (mg/L)	Sulfate as SO <sub>4</sub> (mg/L)
2013 Tails 1st Quarter	2380	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.3	ND	ND	ND	5.26	1580
2013 Tails 2nd Quarter	1720	7.84	0.52	489	ND	ND	ND	1.07	ND	ND	ND	16.2	31.8	ND	ND	ND	1240
2013 Tails 3rd Quarter	1700	7.53	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.11	1120
2013 Tails 4th Quarter	2440	7.52	0.14	ND	ND	ND	ND	ND	ND	ND	ND	16.3	ND	ND	ND	4.50	1690
2014 Tails 1st Quarter	2360	7.44	9.53	ND	ND	ND	ND	ND	ND	ND	ND	21.2	ND	ND	ND	5.47	1710
2014 Tails 2nd Quarter	316	7.92	1.16	ND	ND	ND	ND	ND	ND	ND	ND	2.46	ND	ND	ND	ND	190
2014 Tails 3rd Quarter	891	7.87	0.47	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	11.00	543
2014 Tails 4th Quarter	1240	7.72	1.72	ND	ND	ND	ND	ND	ND	ND	ND	0.81	ND	ND	ND	4.98	829
2015 Tails 1st Quarter	1160	7.78	2.67	ND	ND	ND	ND	ND	ND	ND	ND	7.00	ND	ND	ND	7.58	698
2015 Tails 2nd Quarter	1560	7.99	1.26	ND	ND	ND	ND	ND	ND	ND	ND	13.20	ND	ND	ND	3.36	1030
2015 Tails 3rd Quarter	947	7.78	2.43	ND	ND	ND	ND	ND	ND	ND	ND	6.60	ND	ND	ND	3.85	577
2015 Tails 4th Quarter	567	7.74	2.76	ND	ND	ND	2.3	ND	ND	ND	ND	3.40	ND	ND	ND	3.79	337
2016 Tails 1st Quarter	739	7.64	1.51	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	6.15	451
2016 Tails 2nd Quarter	1160	7.73	2.23	ND	ND	ND	1.79	ND	ND	ND	ND	ND	ND	ND	ND	8.09	680
2016 Tails 3rd Quarter	1020	7.94	2.51	ND	ND	ND	ND	ND	ND	ND	0.22	ND	ND	ND	ND	3.57	685
2016 Tails 4th Quarter	1110	7.60	3.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.75	684
2017 Tails 1st Quarter	1600	7.69	5.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27	1090
2017 Tails 2nd Quarter	844	8.04	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	4.74	522
2017 Tails 3rd Quarter	1630	7.59	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.31	1060
2017 Tails 4th Quarter	1200	7.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.62	792
2018 Tails 1st Quarter	2170	7.6	4.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.24	1460
2018 Tails 2nd Quarter	995	7.8	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.2	610
2018 Tails 3rd Quarter	1030	7.5	ND	ND	ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	ND	10.3	674
2018 Tails 4th Quarter	853	7.6	0.728	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.97	533
2019 Tails 1st Quarter	1210	8.0	ND	ND	9.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.0	746
2019 Tails 2nd Quarter	983	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.9	634
2019 Tails 3rd Quarter	742	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.6	454
2019 Tails 4th Quarter	773	7.7	1.55	ND	ND	ND	ND	0.00191	ND	ND	ND	ND	ND	ND	0.0041	3.8	449
2020 Tails 1st Quarter	587	8.0	0.67	ND	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.0	305
2020 Tails 2nd Quarter	617	8.1	0.079	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.60	324
2020 Tails 3rd Quarter	704	7.8	0.535	ND	ND	ND	ND	ND	116	ND	ND	ND	ND	ND	ND	9.98	407
2020 Tails 4th Quarter	465	8.0	4.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.70	242
2021 Tails 1st Quarter	460	8.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.30	235
2021 Tails 2nd Quarter	405	8.2	0.087	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.52	196
2021 Tails 3rd Quarter	651	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.10	357
2021 Tails 4th Quarter	353	8.0	3.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.71	185

**Table 3**

2013-2021 Tails ABA Results	Sulfur				Acid	Neutralization	Acid - Base
	Sulfur Forms (Acid Extractable and Non-extractable Sulfur) 3.2.6				Potential	Potential	Accounting
	3.2.4				1.3.1	3.2.3	1.3.1
	Sulfate	Pyritic	Non-extractable		t CaCO3/1000t	t CaCO3/1000t	t CaCO3/1000t
wt%	wt%	wt%	wt%				
2013 Tails 1st Quarter	0.16	0.14	0.02	0.02	0.5	110	110
2013 Tails 2nd Quarter	0.54	0.24	0.3	ND	9.3	88.9	79.7
2013 Tails 3rd Quarter	0.09	0.08	0.01	ND	0.3	115	115
2013 Tails 4th Quarter	0.22	0.18	0.03	ND	1.1	121	120
2014 Tails 1st Quarter	0.14	0.14	ND	ND	ND	120	120
2014 Tails 2nd Quarter	0.05	0.05	ND	ND	ND	93.5	93.5
2014 Tails 3rd Quarter	0.05	0.05	ND	ND	ND	116	116
2014 Tails 4th Quarter	0.18	0.11	0.07	ND	2.2	95.6	93.3
2015 Tails 1st Quarter	0.11	0.05	0.05	ND	1.7	103	101.3
2015 Tails 2nd Quarter	0.07	0.06	0.01	ND	0.4	123	122.6
2015 Tails 3rd Quarter	0.13	0.09	0.04	ND	1.3	111	109.7
2015 Tails 4th Quarter	0.26	0.09	0.17	ND	5.3	104	98.7
2016 Tails 1st Quarter	0.09	0.05	0.04	ND	1.3	127	125.7
2016 Tails 2nd Quarter	0.06	0.06	ND	ND	ND	118	118
2016 Tails 3rd Quarter	0.04	0.04	ND	ND	ND	98.1	98.1
2016 Tails 4th Quarter	0.11	0.09	0.02	ND	0.6	160	159.4
2017 Tails 1st Quarter	0.14	0.06	0.08	ND	2.4	120	117.6
2017 Tails 2nd Quarter	0.09	0.06	0.03	ND	1	128	127
2017 Tails 3rd Quarter	0.09	0.07	0.01	ND	0.3	120	119.7
2017 Tails 4th Quarter	0.17	0.1	0.07	ND	2.2	112	110
2018 Tails 1st Quarter	0.15	0.15	ND	ND	ND	155	155
2018 Tails 2nd Quarter	0.05	0.05	ND	ND	ND	118	118
2018 Tails 3rd Quarter	0.06	0.06	ND	ND	ND	125	125
2018 Tails 4th Quarter	0.05	0.05	ND	ND	ND	94	94
2019 Tails 1st Quarter	0.08	0.08	ND	ND	ND	147	147
2019 Tails 2nd Quarter	0.05	0.05	ND	ND	ND	93.7	93.7
2019 Tails 3rd Quarter	0.03	0.03	ND	ND	ND	97.2	97.2
2019 Tails 4th Quarter	0.05	0.05	ND	ND	ND	111	111
2020 Tails 1st Quarter	0.03	0.03	ND	ND	ND	98	98
2020 Tails 2nd Quarter	0.03	0.03	ND	ND	ND	96.8	96.8
2020 Tails 3rd Quarter	0.04	0.04	ND	ND	ND	71.4	71.4
2020 Tails 4th Quarter	0.03	0.03	ND	ND	ND	124	124
2021 Tails 1st Quarter	ND	235	ND	ND	ND	57.1	57.1
2021 Tails 2nd Quarter	ND	ND	ND	ND	ND	85.4	85.4
2021 Tails 3rd Quarter	0.05	ND	0.04	ND	1.3	112	111
2021 Tails 4th Quarter	0.04	ND	0.05	ND	1.4	90.1	88.7

**Table 4**  
**Dam Seepage Sump**  
**Monthly Mean Flow**

**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
9/20/13 thru 9/30/13	70
10/1/13 thru 10/31/13	62
11/1/13 thru 11/30/13	34
12/1/13 thru 12/31/13	13
1/1/14 thru 1/31/14	124
2/1/14 thru 2/28/14	60
3/1/14 thru 3/31/14	47
4/1/14 thru 4/30/14	89
5/1/14 thru 5/31/14	65
6/1/14 thru 6/30/14	54
7/1/14 thru 7/31/14	65
8/1/14 thru 8/30/14	60
9/1/14 thru 9/30/14	66
10/1/14 thru 10/31/14	70
11/1/14 thru 11/30/14	43
12/1/14 thru 12/31/14	43
1/1/15 thru 1/31/15	86
2/1/15 thru 2/28/15	45
3/1/15 thru 3/31/15	37
4/1/15 thru 4/30/15	44
5/1/15 thru 5/31/15	24
6/1/15 thru 6/30/15	26
7/1/15 thru 7/31/15	27
8/1/15 thru 8/31/15	14
9/1/15 thru 9/30/15	66
10/1/15 thru 10/31/15	60
11/1/15 thru 11/30/15	64
12/1/15 thru 12/31/15	43
1/1/16 thru 1/31/16	75
2/1/16 thru 2/29/16	53
3/1/16 thru 3/31/16	28
4/1/16 thru 4/30/16	25
5/1/16 thru 5/31/16	19
6/1/16 thru 6/30/16	18
7/1/16 thru 7/31/16	21
8/1/16 thru 8/31/16	28
9/1/16 thru 9/30/16	77
10/1/16 thru 10/31/16	30
11/1/16 thru 11/30/16	31
12/1/16 thru 12/31/16	21
1/1/17 thru 1/31/17	62

Power out from 9/24/16 thru 10/4/16

Power out from 11/6/16 thru 11/20/16

**Table 4**  
**Dam Seepage Sump**  
**Monthly Mean Flow**

**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)	
2/1/17 thru 2/28/17	46	
3/1/17 thru 3/31/17	24	
4/1/17 thru 4/30/17	60	
5/1/17 thru 5/31/17	29	
6/1/17 thru 6/30/17	20	
7/1/17 thru 7/31/17	23	
8/1/17 thru 8/31/17	36	
9/1/17 thru 9/30/17	95	Power out on 9/29/17
10/1/17 thru 10/31/17	58	
11/1/17 thru 11/30/17	21	
12/1/17 thru 12/31/17	93	
1/1/18 thru 1/31/18	55	
2/1/18 thru 2/28/18	16	
3/1/18 thru 3/31/18	34	
4/1/18 thru 4/30/18	46	Power out from 4/16/18 thru 4/18/18
5/1/18 thru 5/31/18	51	
6/1/18 thru 6/30/18	52	
7/1/18 thru 7/31/18	20	
8/1/18 thru 8/31/18	38	Power out: 8/8; 8/17; 8/31
9/1/18 thru 9/30/18	21	Power Out: 9/1 thru 9/4
10/1/18 thru 10/31/18	78	
11/1/18 thru 11/30/18	42	Power out: 11/4 thru 11/7; 11/9 thru 11-14; 11/16 thru 11/19
12/1/18 thru 12/31/18	46	Power out: 12/1 thru 12/5
1/1/19 thru 1/31/19	30	
2/1/19 thru 2/28/19	37	
3/1/19 thru 3/30/19	96	
4/1/19 thru 4/30/19	27	
5/1/19 thru 5/31/19	19	
6/1/19 thru 6/30/19	13	Power out: 6/11 thru 6/30
7/1/19 thru 7/31/19	39	Power out: 7/1 thru 7/6, 7/8, 7/18 thru 7/25
8/1/19 thru 8/31/19	13	
9/1/19 thru 9/30/19	24	
10/1/19 thru 10/31/19	36	
11/1/19 thru 11/30/19	50	
12/1/19 thru 12/31/19	40	
1/1/20 thru 1/31/20	35	
2/1/20 thru 2/29/20	32	
3/1/20 thru 3/31/20	39	
4/1/20 thru 4/30/20	67	
5/1/20 thru 5/31/20	30	
6/1/20 thru 6/30/20	27	

**Table 4**  
**Dam Seepage Sump**  
**Monthly Mean Flow**

**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
7/1/20 thru 7/31/20	26
8/1/20 thru 8/31/20	38
9/1/20 thru 9/30/20	28
10/1/20 thru 10/31/20	34
11/1/20 thru 11/30/20	25
12/1/20 thru 12/31/20	74
1/1/21 thru 1/31/21	45
2/1/21 thru 2/28/21	7
3/1/21 thru 3/31/21	31
4/1/2021 to 4/30/2021	56
5/1/2021 to 5/31/2021	35
6/1/2021 to 6/30/2021	48
7/1/2021 to 7/31/2021	21
8/1/2021 to 8/31/2021	28
9/1/2021 to 9/30/2021	45
10/1/2021 to 10/31/2021	43
11/1/2021 to 11/30/2021	23
12/1/2021 to 12/31/2021	16

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
9/20/13 thru 9/21/13	8013
9/22/13 thru 9/29/13	2392
9/30/2013	1349
10/1/13 thru 10/6/13	2561
10/7/13 thru 10/13/13	2256
10/14/13 thru 10/20/13	2940
10/21/13 thru 10/27/13	4259
10/28/13 thru 11/3/13	2036
11/4/13 thru 11/10/13	1461
11/11/13 thru 11/17/13	818
11/18/13 thru 11/24/13	970
11/25/13 thru 12/1/13	1840
12/2/13 thru 12/8/13	465
12/9/13 thru 12/15/13	408
12/16/13 thru 12/22/13	1889
12/23/13 thru 12/29/13	1166
12/30/13 thru 1/5/14	1710
1/6/14 thru 1/12/14	1215
1/13/14 thru 1/19/14	4002
1/20/14 thru 1/26/14	4390
1/27/14 thru 2/02/14	2442
2/3/14 thru 2/9/14	921
2/10/14 thru 2/16/14	488
2/17/14 thru 2/23/14	311
2/24/14 thru 3/2/14	128
3/3/14 thru 3/9/14	964
3/10/14 thru 3/16/14	1004
3/17/14 thru 3/23/14	206
3/24/14 thru 3/30/14	29
3/31/14 thru 4/6/14	56
4/7/14 thru 4/13/14	1410
4/14/14 thru 4/20/14	1817
4/21/14 thru 4/27/14	3357
4/28/14 thru 5/4/14	4290
5/5/14 thru 5/11/14	2890
5/12/14 thru 5/18/14	2515
5/19/14 thru 5/25/14	2469
5/26/14 thru 6/1/14	868
6/2/14 thru 6/8/14	1035
6/9/14 thru 6/15/14	1843
6/16/14 thru 6/22/14	1526

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
6/23/14 thru 6/29/14	2221
6/30/14 thru 7/6/14	1417
7/7/14 thru 7/13/14	2965
7/14/14 thru 7/20/14	3176
7/21/14 thru 7/27/14	1099
7/28/14 thru 8/3/14	1568
8/4/14 thru 8/10/14	779
8/11/14 thru 8/17/14	5382
8/18/14 thru 8/24/14	2665
8/25/14 thru 8/31/14	962
9/1/14 thru 9/7/14	2437
9/8/14 thru 9/14/14	2295
9/15/14 thru 9/21/14	2115
9/22/14 thru 9/28/14	3040
9/29/14 thru 10/5/14	4672
10/6/14 thru 10/12/14	5183
10/13/14 thru 10/19/14	2459
10/20/14 thru 10/26/14	2070
10/27/14 thru 11/2/14	1260
11/3/14 thru 11/9/14	1871
11/10/14 thru 11/16/14	947
11/17/14 thru 11/23/14	1068
11/24/14 thru 11/30/14	868
12/1/14 thru 12/7/14	413
12/8/14 thru 12/14/14	2234
12/15/14 thru 12/21/14	1699
12/22/14 thru 12/28/14	672
12/29/14 thru 1/4/15	590
1/5/15 thru 1/11/15	326
1/12/15 thru 1/18/15	4651
1/19/15 thru 1/25/15	6295
1/26/15 thru 2/1/15	3062
2/2/15 thru 2/8/15	921
2/9/15 thru 2/15/15	1123
2/16/15 thru 2/22/15	1579
2/23/15 thru 3/1/15	2333
3/2/15 thru 3/8/15	986
3/9/15 thru 3/15/15	1324
3/16/15 thru 3/22/15	867
3/23/15 thru 3/29/15	947
3/30/15 thru 4/5/15	1419



**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
4/6/15 thru 4/12/15	1667
4/13/15 thru 4/19/15	2010
4/20/15 thru 4/26/15	2076
4/27/15 thru 5/3/15	1299
5/4/15 thru 5/10/15	608
5/11/15 thru 5/17/15	592
5/18/15 thru 5/24/15	455
5/25/15 thru 5/31/15	325
6/1/15 thru 6/7/15	1224
6/8/15 thru 6/14/15	1146
6/15/15 thru 6/21/15	239
6/22/15 thru 6/28/15	145
6/29/15 thru 7/5/15	493
7/6/15 thru 7/12/15	181
7/13/15 thru 7/19/15	937
7/20/15 thru 7/26/15	633
7/27/15 thru 8/2/15	2149
8/3/15 thru 8/9/15	495
8/10/15 thru 8/16/15	1184
8/17/15 thru 8/23/15	1079
8/24/15 thru 8/30/15	2900
8/31/15 thru 9/6/15	1440
9/7/15 thru 9/13/15	3115
9/14/15 thru 9/20/15	2700
9/21/15 thru 9/27/15	1363
9/28/15 thru 10/4/15	3318
10/5/15 thru 10/11/15	2419
10/12/15 thru 10/18/15	3226
10/19/15 thru 10/25/15	3482
10/26/15 thru 11/1/15	1205
11/2/15 thru 11/8/15	2190
11/9/15 thru 11/15/15	2324
11/16/15 thru 11/22/15	1444
11/23/15 thru 11/29/15	1737
11/30/15 thru 12/6/15	2831
12/7/15 thru 12/13/15	758
12/14/15 thru 12/20/15	464
12/21/15 thru 12/27/15	241
12/28/15 thru 1/3/16	698
1/4/16 thru 1/10/16	404
1/11/16 thru 1/17/16	2684

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
1/18/16 thru 1/24/16	1048
1/25/16 thru 1/31/16	6135
2/1/16 thru 2/7/16	1206
2/8/16 thru 2/14/16	2371
2/15/16 thru 2/21/16	888
2/22/16 thru 2/28/16	2641
2/29/16 thru 3/6/16	1109
3/7/16 thru 3/13/16	769
3/14/16 thru 3/20/16	493
3/21/16 thru 3/27/16	777
3/28/16 thru 4/3/16	2031
4/4/16 thru 4/10/16	1930
4/11/16 thru 4/17/16	1267
4/18/16 thru 4/24/16	1117
4/25/16 thru 5/1/16	1826
5/2/16 thru 5/8/16	1953
5/9/16 thru 5/15/16	4020
5/16/16 thru 5/22/16	1135
5/23/16 thru 5/29/16	1306
5/30/16 thru 6/5/16	512
6/16/16 thru 6/12/16	666
6/13/16 thru 6/19/16	439
6/20/16 thru 6/26/16	75
6/27/16 thru 7/3/16	251
7/4/16 thru 7/10/16	261
7/11/16 thru 7/17/16	0
7/18/16 thru 7/24/16	308
7/25/16 thru 7/31/16	1947
8/1/16 thru 8/7/16	590
8/8/16 thru 8/14/16	1928
8/15/16 thru 8/21/16	1779
8/22/16 thru 8/28/16	1731
8/29/16 thru 9/4/16	621
9/5/16 thru 9/11/16	1011
9/12/16 thru 9/18/16	6171
9/19/16 thru 9/25/16	2640
9/26/16 thru 10/2/16	No Power
10/3/16 thru 10/9/16	413
10/10/16 thru 10/16/16	204
10/17/16 thru 10/23/16	2288
10/24/16 thru 10/30/16	546

No power on 10/3/16

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
10/31/16 thru 11/6/16	643
11/7/16 thru 11/13/16	2335
11/14/16 thru 11/20/16	2089
11/21/16 thru 11/27/16	286
11/28/16 thru 12/4/16	2583
12/5/16 thru 12/11/16	654
12/12/16 thru 12/18/16	223
12/19/16 thru 12/25/16	691
12/26/16 thru 1/01/17	265
1/2/17 thru 1/8/17	128
1/9/17 thru 1/15/17	782
1/16/17 thru 1/22/17	2407
1/23/17 thru 1/29/17	1360
1/30/17 thru 2/5/17	673
2/6/17 thru 2/12/17	126
2/13/17 thru 2/19/17	3263
2/20/17 thru 2/26/17	503
2/27/17 thru 3/5/17	191
3/6/17 thru 3/12/17	2062
3/13/17 thru 3/19/17	0
3/20/17 thru 3/26/17	4385
3/27/17 thru 4/2/17	1225
4/3/17 thru 4/9/17	1575
4/10/17 thru 4/16/17	2906
4/17/17 thru 4/23/17	1780
4/24/17 thru 4/30/17	3021
5/1/17 thru 5/7/17	1705
5/8/17 thru 5/14/17	1287
5/15/17 thru 5/21/17	1099
5/22/17 thru 5/28/17	2997
5/29/17 thru 6/4/17	1023
6/5/17 thru 6/11/17	554
6/12/17 thru 6/18/17	410
6/19/17 thru 6/25/17	22
6/26/17 thru 7/2/17	64
7/3/17 thru 7/9/17	1249
7/10/17 thru 7/16/17	579
7/17/17 thru 7/23/17	394
7/24/17 thru 7/30/17	386
7/31/17 thru 8/6/17	379
8/7/17 thru 8/13/17	255

No power 11/16-11/20

Frozen from 3-1 thru 3-5

Frozen on 3-14

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)	
8/14/17 thru 8/20/17	289	
8/21/17 thru 8/27/17	3462	
8/28/17 thru 9/3/17	2853	
9/4/17 thru 9/10/17	5851	
9/11/17 thru 9/17/17	2049	
9/18/17 thru 9/24/17	1128	
9/25/17 thru 10/1/17	3214	
10/2/17 thru 10/8/17	1964	
10/9/17 thru 10/15/17	1775	
10/16/17 thru 10/22/17	1762	
10/23/17 thru 10/29/17	3210	
10/30/17 thru 11/5/17	1242	meter reset
11/6/17 thru 11/12/17	415	
11/13/17 thru 11/19/17	303	
11/20/17 thru 11/26/17	26	
11/27/17 thru 12/3/17	0	Frozen
12/4/17 thru 12/10/17	3739	
12/11/17 thru 12/17/17	6591	meter reset
12/18/17 thru 12/24/17	1235	
12/25/17 thru 12/31/17	451	Partially Frozen
1/1/18 thru 1/7/18	4359	
1/8/18 thru 1/14/18	924	
1/15/18 thru 1/21/18	1678	
1/22/18 thru 1/28/18	406	
1/29/18 thru 2/4/18	1433	
2/5/18 thru 2/11/18	4576	
2/12/18 thru 2/18/18	0	Frozen
2/19/18 thru 2/25/18	0	Frozen
2/26/18 thru 3/4/18	0	Frozen
3/5/18 thru 3/11/18	0	Frozen
3/12/18 thru 3/18/18	2552	
3/19/18 thru 3/25/18	501	
3/26/18 thru 4/1/18	58	
4/2/18 thru 4/8/18	1967	
4/9/18 thru 4/15/18	2781	
4/16/18 thru 4/22/18	2055	
4/23/18 thru 4/29/18	2835	
4/30/18 thru 5/6/18	1894	
5/7/18 thru 5/13/18	1283	
5/14/18 thru 5/20/18	1042	
5/21/18 thru 5/27/18	2693	

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
5/28/18 thru 6/3/18	1466
6/4/18 thru 6/10/18	594
6/11/18 thru 6/17/18	402
6/18/18 thru 6/24/18	91
6/25/18 thru 7/01/18	0
7/2/18 thru 7/8/18	0
7/9/18 thru 7/15/18	0
7/16/18 thru 7/22/18	0
7/23/18 thru 7/29/18	0
7/30/18 thru 8/5/18	0
8/6/18 thru 8/12/18	430
8/13/18 thru 8/19/18	372
8/20/18 thru 8/26/18	33
8/27/18 thru 9/2/18	1180
9/3/18 thru 9/9/18	443
9/10/18 thru 9/16/18	13
9/17/18 thru 9/23/18	22
9/24/18 thru 9/30/18	35
10/1/18 thru 10/7/18	699
10/8/18 thru 10/14/18	1153
10/15/18 thru 10/21/18	7712
10/22/18 thru 10/28/18	4377
10/29/18 thru 11/4/18	735
11/5/18 thru 11/11/18	1370
11/12/18 thru 11/18/18	3705
11/19/18 thru 11/25/18	2572
11/26/18 thru 12/2/18	2105
12/3/18 thru 12/9/18	461
12/10/18 thru 12/16/18	2385
12/17/18 thru 12/23/18	1141
12/24/18 thru 12/30/18	1162
12/31/18 thru 1/06/19	3154
1/7/19 thru 1/13/19	365
1/14/19 thru 1/20/19	462
1/21/19 thru 1/27/19	1846
1/28/19 thru 2/3/19	2323
2/4/19 thru 2/10/19	464
2/11/19 thru 2/17/19	304
2/18/19 thru 2/24/19	288
2/25/19 thru 3/3/19	274
3/4/19 thru 3/10/19	267

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
3/11/19 thru 3/17/19	1726
3/18/19 thru 3/24/19	5157
3/25/19 thru 3/31/19	2036
4/1/19 thru 4/7/19	1203
4/8/19 thru 4/14/19	1360
4/15/19 thru 4/21/19	844
4/22/19 thru 4/28/19	1677
4/29/19 thru 5/5/19	503
5/6/19 thru 5/12/19	657
5/13/19 thru 5/19/19	1135
5/20/19 thru 5/26/19	640
5/27/19 thru 6/2/19	218
6/3/19 thru 6/9/19	208
6/10/19 thru 6/16/19	755
6/17/19 thru 6/23/19	1298
6/24/19 thru 6/30/19	129
7/1/19 thru 7/7/19	277
7/8/19 thru 7/14/19	319
7/15/19 thru 7/21/19	480
7/22/19 thru 7/28/19	621
7/29/19 thru 8/4/19	442
8/5/19 thru 8/11/19	290
8/12/19 thru 8/18/19	269
8/19/19 thru 8/25/19	475
8/26/19 thru 9/1/19	1035
9/2/19 thru 9/8/19	369
9/9/19 thru 9/15/19	344
9/16/19 thru 9/22/19	2200
9/23/19 thru 9/29/19	1190
9/30/19 thru 10/6/19	2913
10/7/19 thru 10/13/19	2654
10/14/19 thru 10/20/19	1822
10/21/19 thru 10/27/19	2148
10/28/19 thru 11/3/19	1142
11/4/19 thru 11/10/19	2837
11/11/19 thru 11/17/19	4088
11/18/19 thru 11/24/19	5661
11/25/19 thru 12/1/19	1782
12/2/19 thru 12/8/19	1389
12/9/19 thru 12/15/19	2206
12/16/19 thru 12/22/19	1097

No power 5/17-5/18

No power 5/22-5/24

No power 6/10-11&6/14-15

No power 6/17-18

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
12/23/19 thru 12/29/19	1901
12/30/19 thru 1/5/20	4094
1/6/20 thru 1/12/20	924
1/13/20 thru 1/19/20	498
1/20/20 thru 1/26/20	338
1/27/20 thru 2/2/20	405
2/3/20 thru 2/9/20	1359
2/10/20 thru 2/16/20	818
2/17/20 thru 2/23/20	496
2/24/20 thru 3/1/20	801
3/2/20 thru 3/8/20	547
3/9/20 thru 3/15/20	423
3/16/20 thru 3/22/20	297
3/23/20 thru 3/29/20	295
3/30/20 thru 4/5/20	196
4/6/20 thru 4/12/20	130
4/13/20 thru 4/19/20	630
4/20/20 thru 4/26/20	860
4/27/20 thru 5/3/20	791
5/4/20 thru 5/10/20	450
5/11/20 thru 5/17/20	1823
5/18/20 thru 5/24/20	5337
5/25/20 thru 5/31/20	1650
6/1/20 thru 6/7/20	1060
6/8/20 thru 6/14/20	1417
6/15/20 thru 6/21/20	3118
6/22/20 thru 6/28/20	1588
6/29/20 thru 7/5/20	366
7/6/20 thru 7/12/20	443
7/13/20 thru 7/19/20	456
7/20/20 thru 7/26/20	2090
7/27/20 thru 8/2/20	1317
8/3/20 thru 8/9/20	1822
8/10/20 thru 8/16/20	2357
8/17/20 thru 8/23/20	1458
8/24/20 thru 8/30/20	2521
8/31/20 thru 9/6/20	2774
9/7/20 thru 9/13/20	1302
9/14/20 thru 9/20/20	523
9/21/20 thru 9/27/20	1084
9/28/20 thru 10/4/20	4223

5-9-10 flow-meter maintenance

5-18-24 flow-meter not working

**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
10/5/20 thru 10/11/20	2997
10/12/20 thru 10/18/20	1189
10/19/20 thru 10/25/20	558
10/26/20 thru 11/1/20	2059
11/2/20 thru 11/8/20	1611
11/9/20 thru 11/15/20	883
11/16/20 thru 11/22/20	424
11/23/20 thru 11/29/20	1073
11/30/20 thru 12/6/20	12,143
12/7/20 thru 12/13/20	6053
12/14/20 thru 12/20/20	1587
12/21/20 thru 12/27/20	1923
12/28/20 thru 1/03/21	954
1/4/21 thru 1/10/21	708
1/11/21 thru 1/17/21	3506
1/18/21 thru 1/24/21	4054
1/25/21 thru 1/31/21	759
2/1/21 thru 2/7/21	640
2/8/21 thru 2/14/21	350
2/15/21 thru 2/21/21	339
2/22/21 thru 2/28/21	308
3/1/21 thru 3/7/21	258
3/8/21 thru 3/14/21	755
3/15/21 thru 3/21/21	374
3/22/21 thru 3/28/21	590
3/29/21 thru 4/4/21	540
4/5/21 to 4/11/21	418
4/12/21 to 4/18/21	1763
4/19/21 to 4/25/21	4684
4/26/21 to 5/2/21	4552
5/3/21 to 5/9/21	4883
5/10/21 to 5/16/21	5567
5/17/21 to 5/23/21	4118
5/24/21 to 5/30/21	3041
5/31/21 to 6/6/21	7229
6/7/21 to 6/13/21	3079
6/14/21 to 6/20/21	3509
6/21/21 to 6/27/21	4413
6/28/21 to 7/4/21	4415
7/5/21 to 7/11/21	1187
7/12/21 to 7/18/21	1385



**Table 5**  
**Upper Slate Lake (USL/TTF bypass pipe)**  
**Weekly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
7/19/21 to 7/25/21	594
7/26/21 to 8/1/21	518
8/2/21 to 8/8/21	533
8/9/21 to 8/15/21	2790
8/16/21 to 8/22/21	1560
8/23/21 to 8/29/21	2030
8/30/21 to 9/5/21	1542
9/6/21 to 9/12/21	2432
9/13/21 to 9/19/21	2556
9/20/21 to 9/26/21	4520
9/27/21 to 10/3/21	2049
10/4/21 to 10/10/21	2927
10/11/21 to 10/17/21	4585
10/18/21 to 10/24/21	2150
10/25/21 to 10/31/21	1759
11/1/21 to 11/7/21	1368
11/8/21 to 11/14/21	807
11/15/21 to 11/21/21	1718
11/22/21 to 11/28/21	1116
11/29/21 to 12/5/21	880
12/6/21 to 12/12/21	215
12/13/21 to 12/19/21	409
12/20/21 to 12/26/21	492
12/27/21 to 1/2/22	432

flowmeter 2 not reading  
flowmeter 2 not reading  
flowmeter 2 not reading  
flowmeter 2 not reading

**Table 6**  
**Monthly Precipitation**  
**Rainfall & Cumulative Snow**  
**Waste Management Permit - Section 1.7.3**

Month	Rainfall (Total Precipitation) (inches)	Snowfall (Cumulative) (inches)	Snowfall (monthly) (inches)
9/20/13 thru 9/30/13	4.46	0	0
10/1/13 thru 10/31/13	14.31	0	0
11/1/13 thru 11/30/13	7.31	8.8	8.80
12/1/13 thru 12/31/13	11.59	85.4	76.60
1/1/14 thru 1/31/14	12.08	119.3	33.86
2/1/14 thru 2/28/14	1.65	142.9	23.62
3/1/14 thru 3/31/14	4.37	178.7	35.83
4/1/14 thru 4/30/14	4.54	181.9	3.15
5/1/14 thru 5/31/14	3.40	181.9	0.00
6/1/14 thru 6/30/14	9.60	181.9	0.00
7/1/14 thru 7/31/14	12.8	181.9	0.00
8/1/14 thru 8/30/14	11.02	0.0	0.00
9/1/14 thru 9/31/14	14.77	0.0	0.00
10/1/14 thru 10/31/14	12.39	0.0	0.00
11/1/14 thru 11/30/14	6.85	3.9	3.94
12/1/14 thru 12/31/14	6.70	8.7	4.72
1/1/15 thru 1/31/15	15.60	28.3	19.69
2/1/15 thru 2/28/15	5.16	40.55	12.20
3/1/15 thru 3/31/15	6.10	46.85	6.30
4/1/15 thru 4/30/15	10.47	46.85	0.00
5/1/15 thru 5/31/15	0.89	46.85	0.00
6/1/15 thru 6/30/15	6.36	46.85	0.00
7/1/15 thru 7/31/15	11.65	46.85	0.00
8/1/15 thru 8/31/15	11.78	46.85	0.00
9/1/15 thru 9/30/15	13.60	46.85	0.00
10/1/15 thru 10/31/15	12.74	0.00	0.00
11/1/15 thru 11/30/15	14.33	22.44	22.44
12/1/15 thru 12/31/15	5.10	64.17	41.73
1/1/16 thru 1/31/16	11.93	70.87	6.69
2/1/16 thru 2/29/16	7.01	81.50	10.63
3/1/16 thru 3/31/16	4.13	85.04	3.54
4/1/16 thru 4/30/16	7.47	85.04	0.00
5/1/16 thru 5/31/16	8.50	85.04	0.00
6/1/16 thru 6/30/16	5.22	85.04	0.00
7/1/16 thru 7/31/16	8.10	0.00	0.00
8/1/16 thru 8/31/16	10.24	0.00	0.00
9/1/16 thru 9/30/16	12.98	0.00	0.00
10/1/16 thru 10/31/16	5.03	15.75	15.75
11/1/16 thru 11/30/16	8.28	29.53	13.78
12/1/16 thru 12/31/16	12.05	132.09	102.56
1/1/17 thru 1/31/17	9.37	163.58	31.50

**Table 6**  
**Monthly Precipitation**  
**Rainfall & Cumulative Snow**  
**Waste Management Permit - Section 1.7.3**

Month	Rainfall (Total Precipitation) (inches)	Snowfall (Cumulative) (inches)	Snowfall (monthly) (inches)
2/1/17 thru 2/28/17	9.00	210.43	46.85
3/1/17 thru 3/31/17	3.38	243.11	32.68
4/1/17 thru 4/30/17	4.42	243.11	0.00
5/1/17 thru 5/31/17	5.98	243.11	0.00
6/1/17 thru 6/30/17	4.12	243.11	0.00
7/1/17 thru 7/31/17	6.75	0.00	0.00
8/1/17 thru 8/31/17	9.91	0.00	0.00
9/1/17 thru 9/30/17	17.04	0.00	0.00
10/1/17 thru 10/31/17	10.45	0.00	0.00
11/1/17 thru 11/30/17	1.98	26.38	26.38
12/1/17 thru 12/31/17	13.26	44.49	18.11
1/1/18 thru 1/31/18	7.31	46.85	2.36
2/1/18 thru 2/28/18	1.30	54.72	7.87
3/1/18 thru 3/31/18	6.23	78.35	23.62
4/1/18 thru 4/30/18	5.24	78.35	0.00
5/1/18 thru 5/31/18	9.48	78.35	0.00
6/1/18 thru 6/30/18	3.71	78.35	0.00
7/1/18 thru 7/31/18	3.15	0	0.00
8/1/18 thru 8/31/18	10.24	0	0.00
9/1/18 thru 9/30/18	2.85	0	0.00
10/1/18 thru 10/31/18	13.93	0	0.00
11/1/18 thru 11/30/18	8.27	0	0.00
12/1/18 thru 12/31/18	6.80	21.65	21.65
1/1/19 thru 1/31/19	7.69	49.41	27.76
2/1/19 thru 2/28/19	2.29	82.87	33.46
3/1/19 thru 3/31/19	5.54	101.77	18.90
4/1/19 thru 4/30/19	4.78	101.77	0.00
5/1/19 thru 5/31/19	3.78	101.77	0.00
6/1/19 thru 6/30/19	4.52	101.77	0.00
7/1/19 thru 7/31/19	2.78	0.00	0.00
8/1/19 thru 8/31/19	4.10	0.00	0.00
9/1/19 thru 9/30/19	7.39	0.00	0.00
10/1/19 thru 10/31/19	13.14	0.00	0.00
11/1/19 thru 11/30/19	13.96	15.75	15.75
12/1/19 thru 12/31/19	12.18	65.55	49.80
1/1/20 thru 1/31/20	3.87	139.17	73.62
2/1/20 thru 2/29/20	9.39	204.13	64.96
3/1/20 thru 3/31/20	4.10	246.26	42.13
4/1/20 thru 4/30/20	6.67	260.04	13.78
5/1/20 thru 5/31/20	0.97	260.04	0.00
6/1/20 thru 6/30/20	5.96	260.04	0.00

**Table 6**  
**Monthly Precipitation**  
**Rainfall & Cumulative Snow**  
**Waste Management Permit - Section 1.7.3**

Month	Rainfall (Total Precipitation) (inches)	Snowfall (Cumulative) (inches)	Snowfall (monthly) (inches)
7/1/20 thru 7/31/20	7.31	0.00	0.00
8/1/20 thru 8/31/20	12.07	0.00	0.00
9/1/20 thru 9/30/20	7.79	0.00	0.00
10/1/20 thru 10/31/20	10.19	4.33	4.33
11/1/20 thru 11/30/20	8.59	62.20	57.87
12/1/20 thru 12/31/20	15.51	87.80	25.59
1/1/21 thru 1/31/21	9.39	111.42	23.62
2/1/21 thru 2/28/21	3.42	171.26	59.84
3/1/21 thru 3/31/21	8.65	323.23	151.97
4/1/2021 to 4/30/2021	6.09	374.41	51.18
5/1/2021 to 5/31/2021	6.37	374.41	0.00
6/1/2021 to 6/30/2021	13.35	374.41	0.00
7/1/2021 to 7/31/2021	2.52	0.00	0.00
8/1/2021 to 8/31/2021	11.32	0.00	0.00
9/1/2021 to 9/30/2021	13.68	0.00	0.00
10/1/2021 to 10/31/2021	11.60	0.00	0.00
11/1/2021 to 11/30/2021	8.05	62.60	62.60
12/1/2021 to 12/31/2021	3.43	129.13	66.54

**Table 7**  
**GPPTP Effluent**  
**Monthly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
9/20/13 thru 9/30/13	12.74
10/1/13 thru 10/31/13	11.12
11/1/13 thru 11/30/13	3.36
12/1/13 thru 12/31/13	0
1/1/14 thru 1/31/14	0
2/1/14 thru 2/28/14	0
3/1/14 thru 3/31/14	0
4/1/14 thru 4/30/14	10.95
5/1/14 thru 5/31/14	5.89
6/1/14 thru 6/30/14	2.63
7/1/14 thru 7/30/14	3.05
8/1/14 thru 8/31/14	2.95
9/1/14 thru 9/30/14	4.39
10/1/14 thru 10/31/14	4.13
11/1/14 thru 11/30/14	1.43
12/1/14 thru 12/31/14	0.62
1/1/15 thru 1/31/15	2.39
2/1/15 thru 2/28/15	1.47
3/1/15 thru 3/31/15	5
4/1/15 thru 4/30/15	9.54
5/1/15 thru 5/31/15	1.85
6/1/15 thru 6/30/15	4.52
7/1/15 thru 7/31/15	4.91
8/1/15 thru 8/31/15	8.66
9/1/15 thru 9/30/15	11.54
10/1/15 thru 10/31/15	10.65
11/1/15 thru 11/30/15	5.68
12/1/15 thru 12/31/15	1.49
1/1/16 thru 1/31/16	0.03
2/1/16 thru 2/29/16	1.06
3/1/16 thru 3/31/16	1.25
4/1/16 thru 4/30/16	3.71
5/1/16 thru 5/31/16	4.15
6/1/16 thru 6/30/16	1.39
7/1/16 thru 7/31/16	4.08
8/1/16 thru 8/31/16	3.37
9/1/16 thru 9/30/16	5.03
10/1/16 thru 10/31/16	3.37
11/1/16 thru 11/30/16	5.09
12/1/16 thru 12/31/16	1.47
1/1/17 thru 1/31/17	0.1
2/1/17 thru 2/28/17	0
3/1/17 thru 3/31/17	0
4/1/17 thru 4/30/17	1.4
5/1/17 thru 5/31/17	2
6/1/17 thru 6/30/17	0.67
7/1/17 thru 7/31/17	2.17
8/1/17 thru 8/31/17	1.19
9/1/17 thru 9/30/17	7.05
10/1/17 thru 10/31/17	2.48
11/1/17 thru 11/30/17	0.1
12/1/17 thru 12/31/17	2.47

**Table 7**  
**GPPTP Effluent**  
**Monthly Mean Flow**  
**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
1/1/18 thru 1/31/18	0.01
2/1/18 thru 2/28/18	0
3/1/18 thru 3/31/18	0
4/1/18 thru 4/30/18	0.13
5/1/18 thru 5/31/18	0
6/1/18 thru 6/30/18	0.06
7/1/18 thru 7/31/18	0.03
8/1/18 thru 8/31/18	0.82
9/1/18 thru 9/30/18	1.04
10/1/18 thru 10/31/18	1.13
11/1/18 thru 11/30/18	2.11
12/1/18 thru 12/31/18	0.04
1/1/19 thru 1/31/19	0
2/1/19 thru 2/28/19	0
3/1/19 thru 3/31/19	0
4/1/19 thru 4/30/19	0.32
5/1/19 thru 5/31/19	0.11
6/1/19 thru 6/30/19	0.1
7/1/19 thru 7/31/19	0.03
8/1/19 thru 8/31/19	0.02
9/1/19 thru 9/30/19	0.29
10/1/19 thru 10/31/19	1.62
11/1/19 thru 11/30/19	1.88
12/1/19 thru 12/31/19	0.39
1/1/20 thru 1/31/20	0.34
2/1/20 thru 2/29/20	0.14
3/1/20 thru 3/31/20	0.08
4/1/20 thru 4/30/20	2.5
5/1/20 thru 5/31/20	0.44
6/1/20 thru 6/30/20	1.28
7/1/20 thru 7/31/20	1.97
8/1/20 thru 8/31/20	1.8
9/1/20 thru 9/30/20	1.58
10/1/20 thru 10/31/20	1.6
11/1/20 thru 11/30/20	1.18
12/1/20 thru 12/31/20	1.91
1/1/21 thru 1/31/21	1.34
2/1/21 thru 2/28/21	1.05
3/1/21 thru 3/31/21	0.73
4/1/2021 to 4/30/2021	1.38
5/1/2021 to 5/31/2021	1.3
6/1/2021 to 6/30/2021	1.21
7/1/2021 to 7/31/2021	0.87
8/1/2021 to 8/31/20201	1.06
9/1/2021 to 9/30/2021	0.99
10/1/2021 to 10/31/2021	0.59
11/1/2021 to 11/30/2021	0.13
12/1/2021 to 12/31/2021	0

**Table 8  
Mine Drainage to WTP  
Monthly Mean Flow**

**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
9/20/13 thru 9/30/13	1589
10/1/13 thru 10/31/13	1622
11/1/13 thru 11/30/13	1426
12/1/13 thru 12/31/13	991
1/1/14 thru 1/31/14	796
2/1/14 thru 2/28/14	857
3/1/14 thru 3/31/14	711
4/1/14 thru 4/30/14	597
5/1/14 thru 5/31/14	1294
6/1/14 thru 6/30/14	1443
7/1/14 thru 7/31/14	1521
8/1/14 thru 8/31/14	1281
9/1/14 thru 9/30/14	1330
10/1/14 thru 10/31/14	1401
11/1/14 thru 11/30/14	1138
12/1/14 thru 12/31/14	997
1/1/15 thru 1/31/15	999
2/1/15 thru 2/28/15	1113
3/1/15 thru 3/31/15	922
4/1/15 thru 4/30/15	908
5/1/15 thru 5/31/15	1194
6/1/15 thru 6/30/15	1094
7/1/15 thru 7/31/15	934
8/1/15 thru 8/31/15	1221
9/1/15 thru 9/30/15	1324
10/1/15 thru 10/31/15	1524
11/1/15 thru 11/30/15	1326
12/1/15 thru 12/31/15	1135
1/1/16 thru 1/31/16	890
2/1/16 thru 2/29/16	982
3/1/16 thru 3/31/16	867
4/1/16 thru 4/30/16	1520
5/1/16 thru 5/31/16	1445
6/1/16 thru 6/30/16	1303
7/1/16 thru 7/31/16	1315
8/1/16 thru 8/31/16	1109
9/1/16 thru 9/30/16	1404
10/1/16 thru 10/31/16	1311
11/1/16 thru 11/30/16	1303
12/1/16 thru 12/31/16	1173
1/1/17 thru 1/31/17	867
2/1/17 thru 2/28/17	846
3/1/17 thru 3/31/17	762
4/1/17 thru 4/30/17	922
5/1/17 thru 5/31/17	1642
6/1/17 thru 6/30/17	1771
7/1/17 thru 7/31/17	1559
8/1/17 thru 8/31/17	1361
9/1/17 thru 9/30/17	1732
10/1/17 thru 10/31/17	1777
11/1/17 thru 11/30/17	1372
12/1/17 thru 12/31/17	1382
1/1/18 thru 1/31/18	1312

**Table 8**  
**Mine Drainage to WTP**  
**Monthly Mean Flow**

**Waste Management Permit - Section 1.7.3**

Month	Mean Flow (gpm)
2/1/18 thru 2/28/18	1176
3/1/18 thru 3/31/18	1081
4/1/18 thru 4/30/18	1020
5/1/18 thru 5/31/18	1637
6/1/18 thru 6/30/18	1755
7/1/18 thru 7/31/18	1416
8/1/18 thru 8/31/18	1414
9/1/18 thru 9/30/18	1410
10/1/18 thru 10/31/18	1527
11/1/18 thru 11/30/18	1712
12/1/18 thru 12/31/18	1565
1/1/19 thru 1/31/19	1328
2/1/19 thru 2/28/19	1265
3/1/19 thru 3/31/19	1150
4/1/19 thru 4/30/19	1418
5/1/19 thru 5/31/19	1590
6/1/19 thru 6/30/19	1445
7/1/19 thru 7/31/19	1302
8/1/19 thru 8/31/19	1120
9/1/19 thru 9/30/19	1132
10/1/19 thru 10/31/19	1594
11/1/19 thru 11/30/19	1909
12/1/19 thru 12/31/19	1755
1/1/20 thru 1/31/20	1521
2/1/20 thru 2/29/20	1273
3/1/20 thru 3/31/20	1134
4/1/20 thru 4/30/20	1100
5/1/20 thru 5/31/20	2132
6/1/20 thru 6/30/20	2349
7/1/20 thru 7/31/20	2468
8/1/20 thru 8/31/20	2455
9/1/20 thru 9/30/20	2260
10/1/20 thru 10/31/20	2143
11/1/20 thru 11/30/20	1866
12/1/20 thru 12/31/20	2081
1/1/21 thru 1/31/21	1772
2/1/21 thru 2/28/21	1341
3/1/21 thru 3/31/21	1153
4/1/2021 to 4/30/2021	1161
5/1/2021 to 5/31/2021	2072
6/1/2021 to 6/30/2021	2749
7/1/2021 to 7/31/2021	2707
8/1/2021 to 8/31/20201	2238
9/1/2021 to 9/30/2021	2475
10/1/2021 to 10/31/2021	2609
11/1/2021 to 11/30/2021	1885
12/1/2021 to 12/31/2021	1420