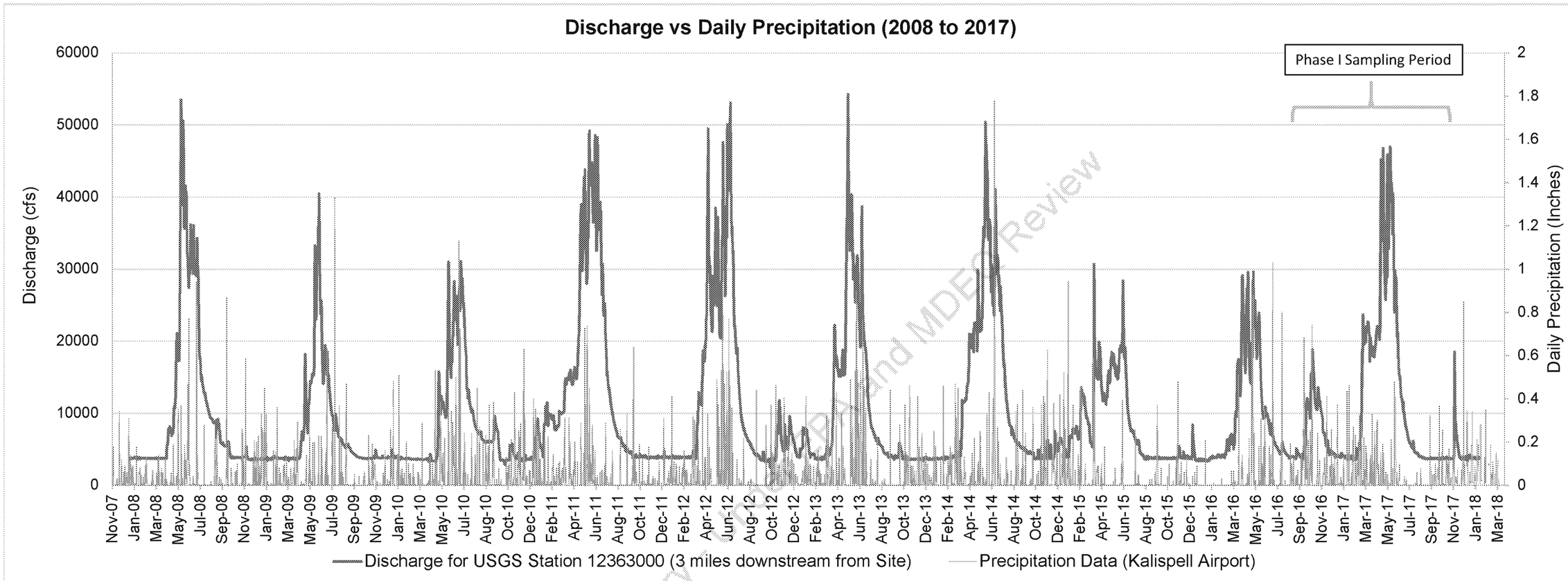
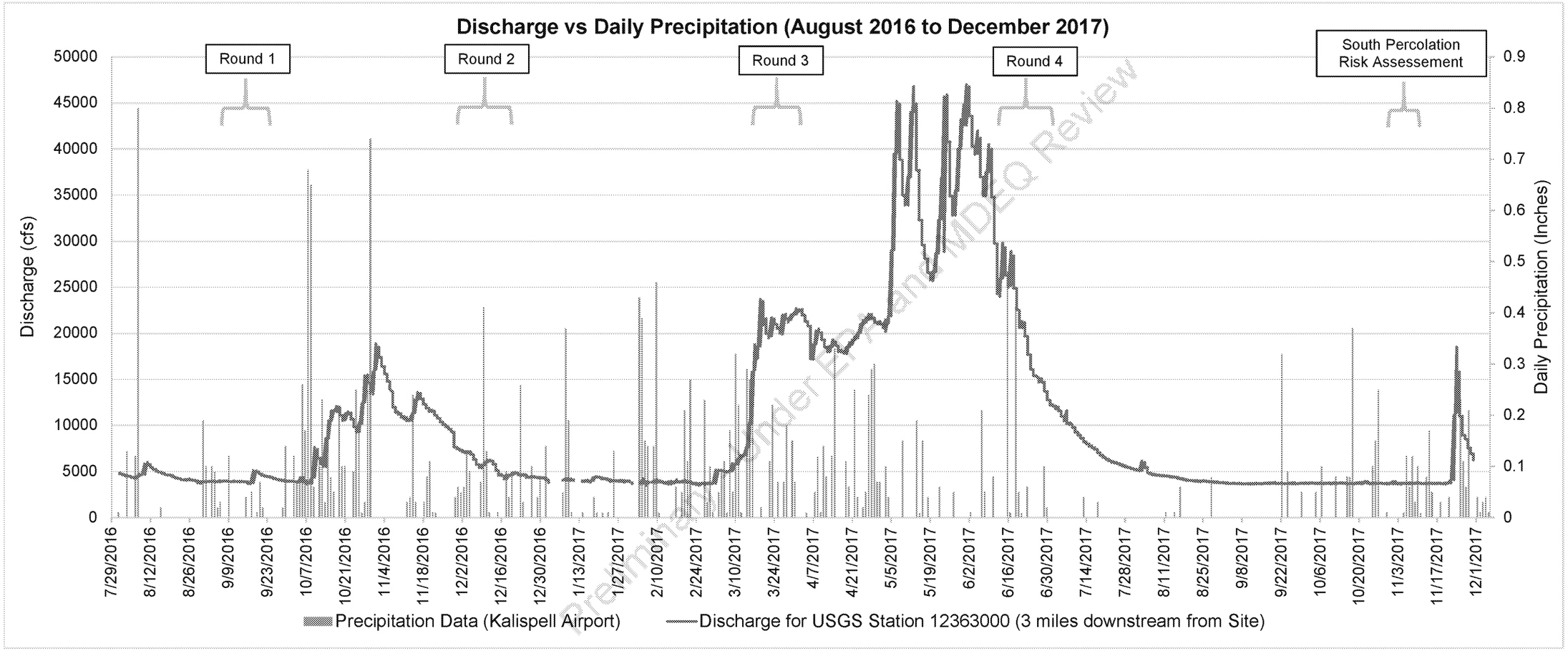
Appendix A1a. Flathead River Yearly Discharge (2008 to 2017)
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT



Preliminary - Not Approved and MDEQ Review


Discharge vs Daily Precipitation (August 2016 to December 2017)
Round 1
Round 2
Round 3
Round 4
South Percolation Risk Assessement
Discharge (cfs)
Daily Precipitation (Inches)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7/29/2016
8/12/2016
8/26/2016
9/9/2016
9/23/2016
10/7/2016
10/21/2016
11/4/2016
11/18/2016
12/2/2016
12/16/2016
12/30/2016
1/13/2017
1/27/2017
2/10/2017
2/24/2017
3/10/2017
3/24/2017
4/7/2017
4/21/2017
5/5/2017
5/19/2017
6/2/2017
6/16/2017
6/30/2017
7/14/2017
7/28/2017
8/11/2017
8/25/2017
9/8/2017
9/22/2017
10/6/2017
10/20/2017
11/3/2017
11/17/2017
12/1/2017
Precipitation Data (Kalispell Airport)
Discharge for USGS Station 12363000 (3 miles downstream from Site)
Preliminary Under EPA and MDEQ Review

Appendix A2a. Flathead River Yearly Discharge Tables (2008 to 2017)
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

	Average Discharge per Month (cfs)			Peak Discharge per Month (cfs)		Minimum Discharge per Month (cfs)		Total Precipitation per Month (in)	
Month	2016	2017	10 Year Average	2016	2017	2016	2017	2016	2017
January	3560.71	4084.26	4434.67	3950.00	4470.00	3350.00	3590.00	0.21	0.97
February	3947.02	3810.00	4995.93	4300.00	4240.00	3740.00	3450.00	0.04	2.78
March	5369.88	13229.50	6772.68	7140.00	23700.00	3770.00	3620.00	0.17	2.7
April	15800.72	19984.38	14079.66	29100.00	22700.00	5470.00	17200.00	0.89	2.36
May	21182.39	33720.33	25667.68	29600.00	46800.00	14100.00	20200.00	3.12	0.8
June	14684.72	27738.50	26661.76	23900.00	47000.00	9260.00	12800.00	1.34	1.48
July	6940.55	8179.72	13064.22	9910.00	12700.00	4870.00	5210.00	1.51	0.07
August	4569.71	4407.56	6062.04	6020.00	6160.00	3720.00	3770.00	1.08	0.16
September	4115.16	3716.11	4603.97	5130.00	3840.00	3670.00	3630.00	0.86	0.51
October	8572.74	3736.55	4318.34	15800.00	3930.00	3650.00	3630.00	4.86	1.23
November	12137.65	5285.93	5289.74	18900.00	18500.00	7470.00	3630.00	0.62	1.55
December	5376.87	4079.41	4407.57	7470.00	6270.00	4210.00	3450.00	1.75	2.19
Average	**8854.84**	**10997.69**	**10029.85**	**13435.00**	**16692.50**	**5606.67**	**7015.00**	**1.37**	**1.40**

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Appendix A2b. Flathead River Yearly Discharge RPD (2008 to 2017)
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

	Average Yearly Discharge		Minimum Discharge			Maximum Discharge		
Year	(cfs)	RPD for Average	Date	(cfs)	RPD for Average	Date	(cfs)	RPD for Average
2008	10272.69	2.28%	11/3/2008	3370	2.40%	5/19/2008	53500	21.76%
2009	7338.06	-26.94%	3/10/2009	3380	2.70%	5/31/2009	40500	-7.83%
2010	8146.73	-18.89%	10/22/2010	2860	-13.10%	6/22/2010	31100	-29.22%
2011	13276.46	32.18%	1/1/2011	3720	13.04%	6/8/2011	49200	11.97%
2012	11868.28	18.16%	10/13/2012	2470	-24.95%	6/27/2012	53100	20.85%
2013	9759.57	-2.83%	12/6/2013	3430	4.22%	5/14/2013	54300	23.58%
2014	11479.58	14.29%	1/5/2014	3550	7.87%	5/24/2014	50400	14.70%
2015	8195.17	-18.41%	12/25/2015	3330	1.19%	3/16/2015	30700	-30.13%
2016	8853.89	-11.85%	1/19/2016	3350	1.79%	5/9/2016	29600	-32.64%
2017	11248.35	11.99%	2/3/2017	3450	4.83%	6/1/2017	47000	6.96%
Average	**10043.88**			**3291**			**43940**	

	Minimum Discharge			Maximum Discharge		
Year	(cfs)	2016 RPD of Min	2017 RPD of Min	(cfs)	2016 RPD of Max	2017 RPD of Max
2008	3370	0.60%	-0.59%	53500	80.74%	13.83%
2009	3380	0.90%	-0.89%	40500	36.82%	-13.83%
2010	2860	-14.63%	17.13%	31100	5.07%	-33.83%
2011	3720	11.04%	-9.95%	49200	66.22%	4.68%
2012	2470	-26.27%	35.63%	53100	79.39%	12.98%
2013	3430	2.39%	-2.33%	54300	83.45%	15.53%
2014	3550	5.97%	-5.63%	50400	70.27%	7.23%
2015	3330	-0.60%	0.60%	30700	3.72%	-34.68%
2016	3350	0.00%	0.00%	29600	0.00%	-37.02%
2017	3450	2.99%	-2.90%	47000	58.78%	13.83%
Average	**3291**			**43940**		

RPD - Relative Percent Difference
cfs - Cubic Feet per Second

Preliminary Under EPA Final ED Review

Appendix A2c. Flathead River Discharge During Phase I Sampling Events
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

Round	Sample Date	Flathead River Discharge (cfs)	Flathead River Elevation (NAVD88)	Daily Precipitation (inches)
Round 1	6/6/2016	22225.00	96	0.00
Round 1	6/7/2016	23149.47	95	0.00
Round 1	8/29/2016	3894.17	96	0.00
Round 1	9/9/2016	3969.79	96	0.00
Round 1	9/16/2016	3804.69	96	0.00
Round 2	11/30/2016	7576.56	96	0.04
Round 2	12/1/2016	7385.42	96	0.06
Round 2	12/2/2016	7235.42	96	0.05
Round 2	12/20/2016	4790.83	96	0.09
Round 3	3/13/2017	6757.19	96	0.29
Round 3	3/15/2017	8669.38	96	0.21
Round 3	3/16/2017	13118.75	96	0.00
Round 3	4/3/2017	22357.29	96	0.01
Round 3	4/4/2017	21681.25	96	0.00
Round 4	6/12/2017	27235.42	96	0.00
Round 4	6/13/2017	24381.25	96	0.48
Round 4	6/14/2017	28765.63	96	0.01
Round 4	6/15/2017	27869.79	96	0.00
South Perc Pond	10/31/2017	3703.02	96	0.01
South Perc Pond	11/1/2017	3750.10	96	0.12
South Perc Pond	11/3/2017	3714.06	96	0.12
South Perc Pond	11/7/2017	3702.29	96	0.00

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Appendix A3. Average Monthly Precipitation at Glacier National Airport (2007 to 2017)
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

Year	January Average Precipitation (Inches)	RPD	February Average Precipitation (Inches)	RPD	March Average Precipitation (Inches)	RPD	April Average Precipitation (Inches)	RPD	May Average Precipitation (Inches)	RPD	June Average Precipitation (Inches)	RPD	July Average Precipitation (Inches)
2007	0.69	-49.74%	1.29	25.02%	0.39	-69.70%	0.89	-23.81%	2.59	59.07%	0.91	-69.74%	0.60
2008	1.03	-24.97%	0.47	-54.45%	0.77	-40.18%	0.50	-57.20%	1.46	-10.33%	2.22	-26.18%	1.81
2009	1.73	26.03%	0.96	-6.96%	1.00	-22.32%	0.82	-29.81%	1.12	-31.21%	1.53	-49.12%	2.76
2010	1.58	15.10%	0.43	-58.33%	0.61	-52.61%	1.95	66.93%	2.43	49.25%	4.20	39.66%	0.92
2011	2.39	74.11%	1.16	12.42%	1.12	-12.99%	1.84	57.51%	1.85	13.62%	3.16	5.08%	0.69
2012	1.37	-0.20%	1.04	0.79%	1.65	28.18%	1.31	12.14%	1.56	-4.19%	6.20	106.17%	0.74
2013	1.37	-0.20%	0.97	-5.99%	1.65	28.18%	1.31	12.14%	1.56	-4.19%	6.20	106.17%	0.74
2014	1.35	-1.66%	1.09	5.64%	2.44	89.55%	0.63	-46.07%	1.20	-26.30%	5.24	74.24%	0.39
2015	2.41	75.56%	1.12	8.55%	1.66	28.95%	0.35	-70.04%	0.22	-86.49%	0.60	-80.05%	0.36
2016	0.21	-84.70%	0.04	-96.12%	0.17	-86.79%	0.89	-23.81%	3.12	91.62%	1.34	-55.44%	1.51
2017	0.97	-29.34%	2.78	169.43%	2.70	109.75%	2.36	102.02%	0.80	-50.87%	1.48	-50.79%	0.07
Monthly Average Total Precipitation (Inches)	**1.37**		**1.03**		**1.29**		**1.17**		**1.63**		**3.01**[1]		**0.96**

[1] Maximum Monthly Average
[2] Minimum Monthly Average
RPD - Relative Percent Difference

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Appendix A3. Average Monthly Precipitation at Glacier National Airport (2007 to 2017)
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

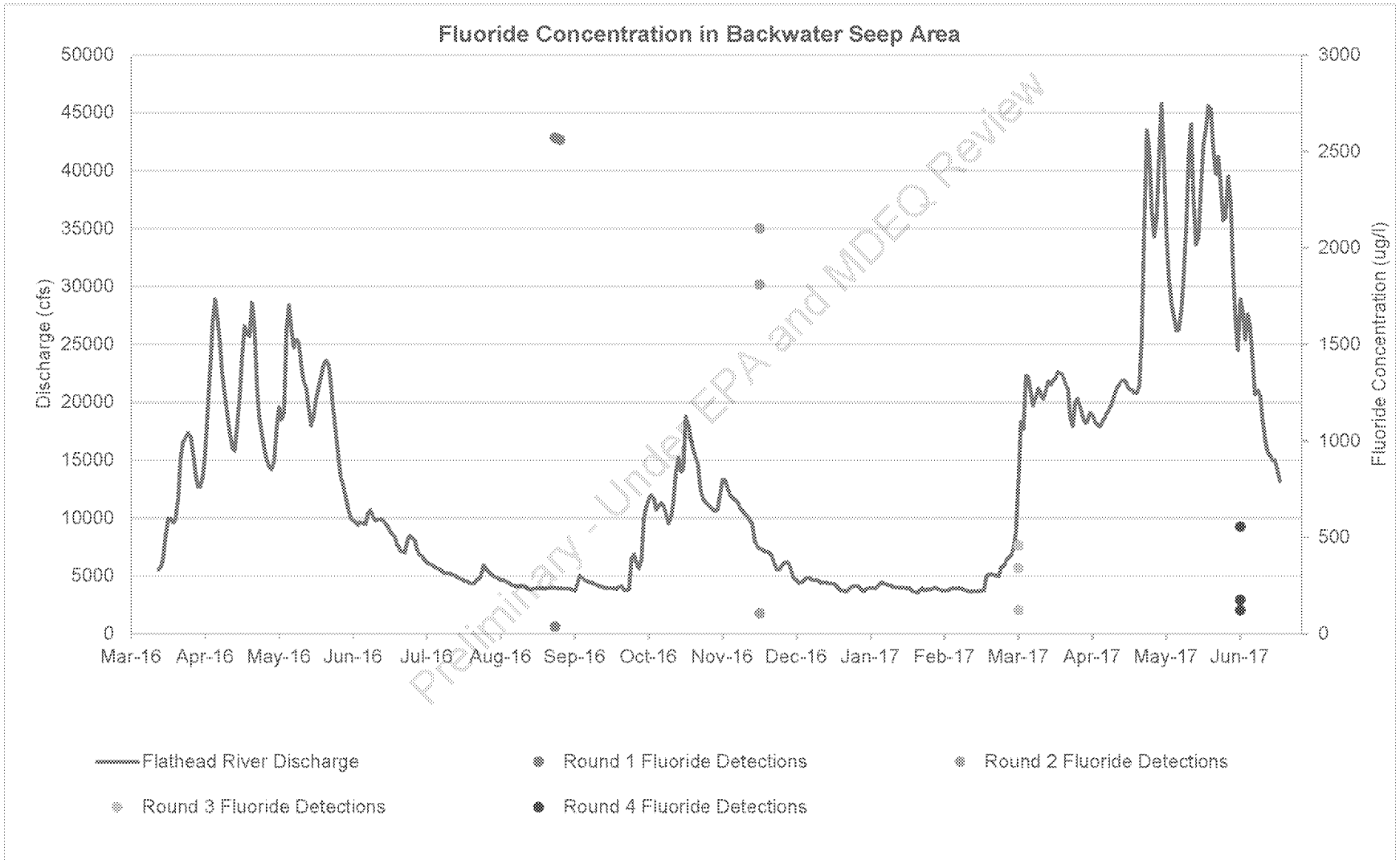
Year	RPD	August Average Precipitation (Inches)	RPD	September Average Precipitation (Inches)	RPD	October Average Precipitation (Inches)	RPD	November Average Precipitation (Inches)	RPD	December Average Precipitation (Inches)	RPD	Yearly Total
2007	-37.68%	0.27	-60.51%	1.07	32.40%	0.84	-48.09%	0.59	-50.42%	1.33	-8.90%	**11.46**
2008	88.01%	0.94	37.50%	1.26	55.91%	0.43	-73.43%	1.30	9.24%	2.28	56.16%	**14.47**
2009	186.69%	1.16	69.68%	0.14	-82.68%	1.29	-20.28%	0.37	-68.91%	1.35	-7.53%	**14.23**
2010	-4.44%	1.39	103.32%	1.81	123.96%	0.53	-67.25%	2.53	112.61%	2.22	52.05%	**20.60**
2011	-28.33%	0.47	-31.25%	0.47	-41.84%	1.86	14.94%	0.42	-64.71%	0.74	-49.32%	**16.17**
2012	-23.14%	0.30	-56.12%	0.44	-45.56%	2.66	64.38%	1.53	28.57%	1.19	-18.49%	**19.99**
2013	-23.14%	0.30	-56.12%	0.44	-45.56%	2.66	64.38%	1.53	28.57%	1.19	-18.49%	**19.92**
2014	-59.49%	1.32	93.09%	1.14	41.06%	1.19	-26.46%	2.54	113.45%	2.35	60.96%	**20.88**
2015	-62.61%	0.13	-80.98%	0.75	-7.20%	1.14	-29.55%	0.47	-60.50%	0.20	-86.30%	**9.41**
2016	56.85%	1.08	57.98%	0.86	6.41%	4.86	200.34%	0.62	-47.90%	1.75	19.86%	**16.45**
2017	-92.73%	0.16	-76.60%	0.51	-36.90%	0.47	-78.99%	0.10	-91.60%	0.04	-97.26%	**12.44**
Monthly Average Total Precipitation (Inches)		**0.68[2]**		**0.81**		**1.62**		**1.19**		**1.46**	**Yearly Average Total Precipitation (Inches)**	**16.00**

[1] Maximum Mor
[2] Minimum Mon
RPD - Relative

3.56

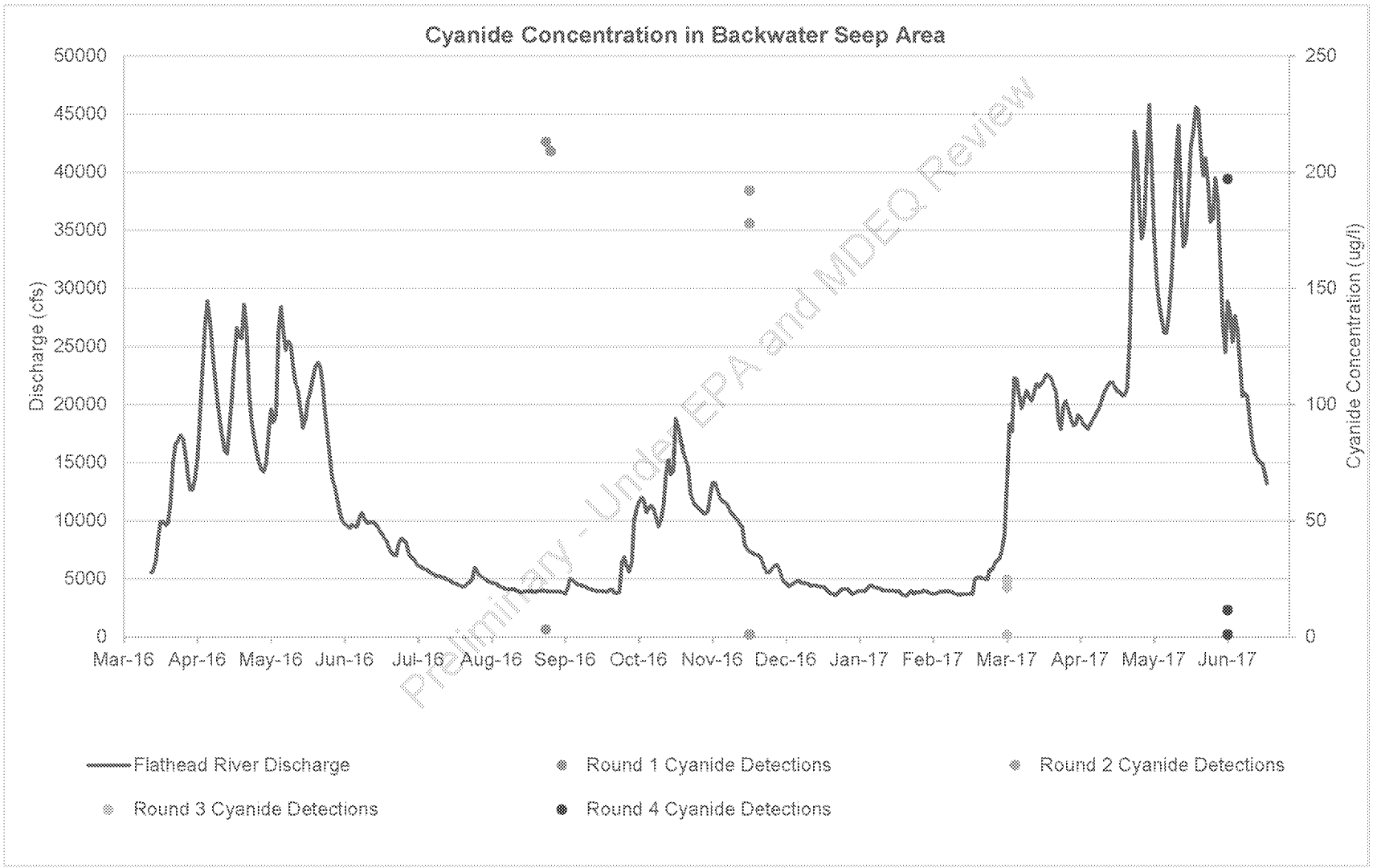
Preliminary - Under EPA and MDEQ Review

Appendix A4. Fluoride Concentration in Backwater Seep Area
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT



Preliminary - Under EPA and MDEQ Review

Appendix A5. Cyanide Concentration in Backwater Seep Area
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT



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Appendix A6. Fluoride and Cyanide Concentration in Surface Water
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Site Feature	Cyanide, Total				Fluoride			
		Round 1	Round 2	Round 3	Round 4	Round 1	Round 2	Round 3	Round 4
CFSWP-001	Flathead River	2 U	2 U	2 U	2 U	35.8 J-	211 J-	84.2	118
CFSWP-002	Flathead River	2 U	2 U	2 U	2 U	35.9 J-	547 J-	95	119
CFSWP-003	Flathead River	18.8	36.2	7.7 J	9.5 J	181	615 J-	198 J	192
CFSWP-004	Seep Area	209	178	21.3	11.5	2560	1810 J-	342 J	175
CFSWP-005	Seep Area	213	192	24.7	197	2570	2100 J-	457 J	555
CFSWP-006	Seep Area	3.2 J	2 U	2 U	2 U	37.3 J	106 J-	122 J	122
CFSWP-007	Flathead River	2 U	2 U	2 U	2 U	33.8 J-	110 J-	114 J	123
CFSWP-008	Flathead River	2 U	2 U	2 U	2 U	33.5 J-	107 J-	96.8	124
CFSWP-009	Flathead River	4 U	DRY	2 U	2 U	80.3	DRY	105	188
CFSWP-010	Cedar Creek Reservoir Overflow Ditch	4 U	DRY	2 U	2 U	39.4 J	DRY	2600	181
CFSWP-011	Cedar Creek Reservoir Overflow Ditch	4 U	DRY	2 U	2 U	38.7 J	DRY	103	131
CFSWP-012	Cedar Creek Reservoir Overflow Ditch	4 U	DRY	2 U	2 U	39.5 J	DRY	101	131
CFSWP-013	Cedar Creek Reservoir Overflow Ditch	4 U	2 U	2 U	2 U	39.2 J	473 J-	308	131
CFSWP-014	Cedar Creek Reservoir Overflow Ditch	2 U	15.3 J	2 U	2 U	55.8 J	117 J-	126	137
CFSWP-015	Cedar Creek	2.3 J	10.6	2 U	2 U	62.4 J	119 J-	129	135
CFSWP-016	Cedar Creek	2 U	2 U	2 U	2 U	58.8 J	123 J-	132	135
CFSWP-017	Flathead River	2 U	2 U	2 U	2 U	56.2 J-	106 J-	85.7	121
CFSWP-018	South Percolation Ponds	4 U	2 U	2 U	77.2	353	828 J-	365	1700
CFSWP-019	South Percolation Ponds	4 U	2 U	2 U	2 U	379	785 J-	350	305
CFSWP-020	South Percolation Ponds	12.5	16.4	11.3	2 U	250	265 J-	330 J	308
CFSWP-021	Northern SW Area	4 U	2 U	2 U	2 U	166	189 J-	231	243
CFSWP-022	Northern SW Area	4 U	DRY	2 U	DRY	177	DRY	223	DRY
CFSWP-023	Northwest Percolation Pond	DRY	DRY	7.6 J	DRY	DRY	DRY	2150	DRY
CFSWP-024	Northeast Percolation Pond	DRY	DRY	DRY	2 U	DRY	DRY	DRY	22400 J+
CFSWP-025	Cedar Creek	NA	2 U	2 U	2 U	NA	115 J-	128	134
	Minimum	1	0	3	1	19	1	1	2
	Maximum	3	4	1	1	2	5	5	14

Orange shading indicates minimum concentration across sampling rounds
Purple shading indicates maximum concentration across sampling rounds

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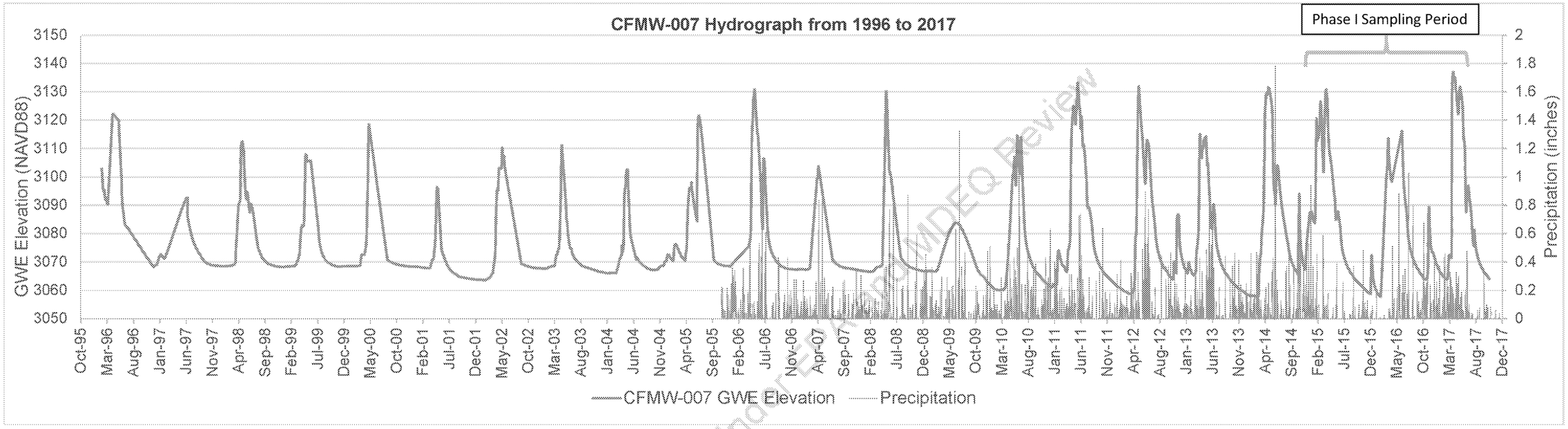
Appendix A7. CFMW-007 Hydrograph from 1996 to 2017
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT



Preliminary - Under MDEQ Review

Appendix A8. Groundwater Elevation of CFMW-007 from 1996 to 2017
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

Year	Date of Maximum Elevation	Maximum Elevation (NAVD88)	Date of Minimum Elevation	Minimum Elevation (NAVD88)
1996	4/27/1996	3122.23	12/13/1996	3068.46
1997	6/17/1997	3092.11	1/3/1997	3069.10
1998	5/4/1998	3112.47	12/28/1998	3068.24
1999	5/2/1999	3107.90	1/1/1999	3068.36
2000	4/26/2000	3118.41	12/29/2000	3068.42
2001	5/19/2001	3096.43	12/29/2001	3063.80
2002	5/25/2002	3110.27	2/16/2002	3063.63
2003	4/30/2003	3111.07	12/31/2003	3066.24
2004	5/6/2004	3102.58	1/15/2004	3066.07
2005	6/24/2005	3120.43	12/14/2005	3068.34
2006	5/1/2006	3130.90	12/27/2006	3067.37
2007	5/1/2007	3103.75	12/31/2007	3066.95
2008	5/21/2008	3130.18	2/12/2008	3066.53
2009	6/26/2009	3083.78	11/24/2009	3064.89
2010	6/7/2010	3114.57	2/3/2010	3060.33
2011	5/18/2011	3133.24	12/31/2011	3061.40
2012	4/29/2012	3131.93	3/16/2012	3058.69
2013	4/13/2013	3115.05	12/31/2013	3058.87
2014	5/8/2014	3131.57	2/25/2014	3057.74
2015	4/2/2015	3130.83	12/11/2015	3058.73
2016	6/7/2016	3116.25	2/8/2016	3057.81
2017	3/26/2017	3136.89	2/19/2017	3063.76
	Average of Maximum Elevation (NAVD88)	**3116.04**	**Average of Minimum Elevation (NAVD88)**	**3064.26**

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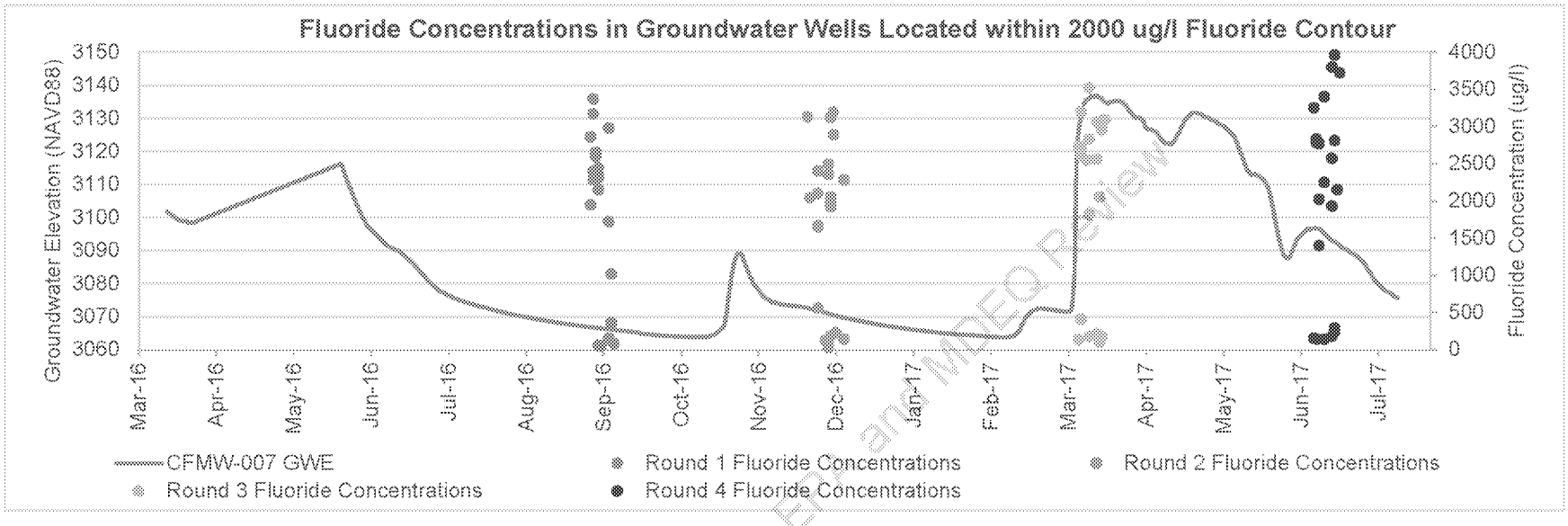
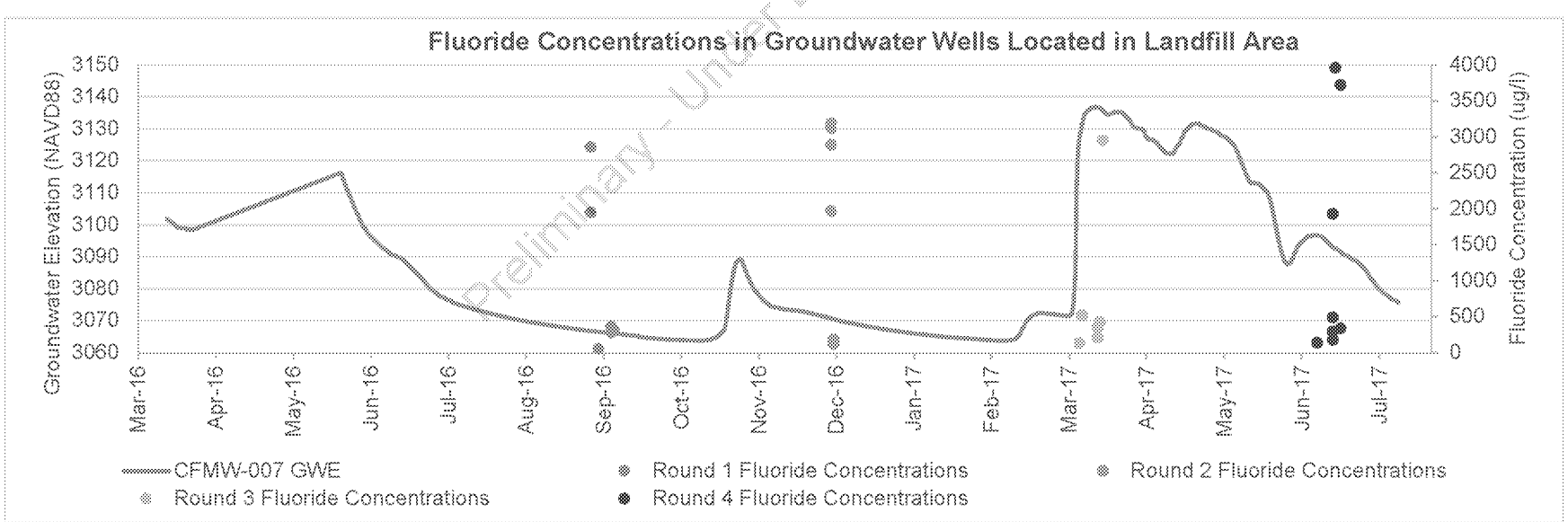
Appendix A9. Fluoride Concentration in Groundwater Wells
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT





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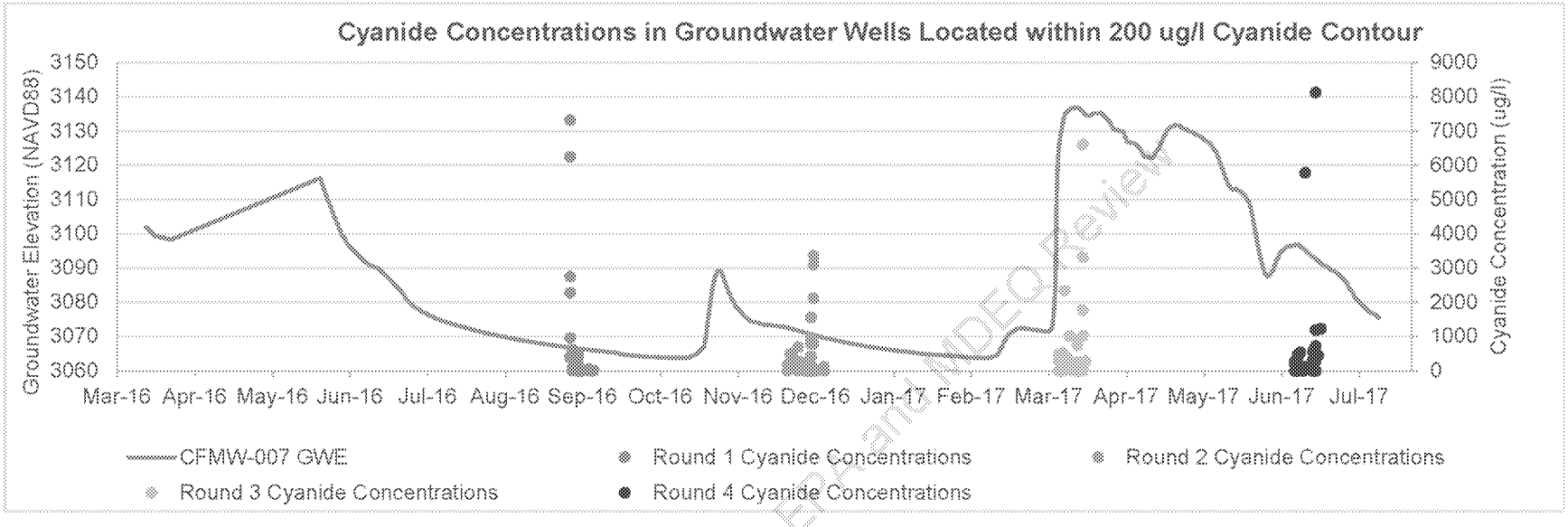
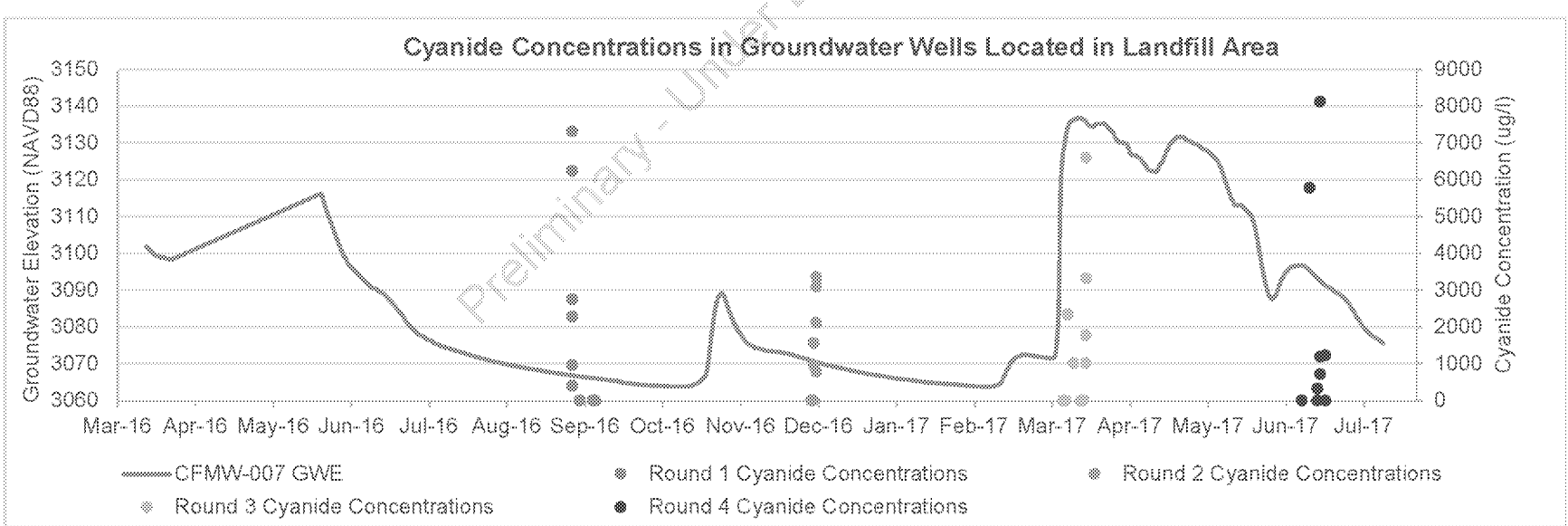
Appendix A10. Cyanide Concentration in Groundwater Wells
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT





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Appendix A11. Fluoride and Cyanide Concentration in Groundwater Wells
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Cyanide, Total				Fluoride				Water Level (ft-amsl)			
	Round 1	Round 2	Round 3	Round 4	Round 1	Round 2	Round 3	Round 4	Round 1	Round 2	Round 3	Round 4
CFMW-001	2.4 J	2 U	2 U	2 U	91.7	132	184	159	3075.253	3075.443	3075.413	3077.603
CFMW-002	2060 J	DRY	1370	985	18900	DRY	8900	4930	3065.28	3064.01	DRY	3077.33
CFMW-003	15.4	19.1	14	13.2	15 U	536 J-	60 U	60 U	3121.48	3122.83	3123.35	3126.1
CFMW-003a	2.1 J	2 U	2 U	2 U	312	337	373	276	2994.17	2996.23	2997.36	3001.89
CFMW-007	2.1 J	2 U	4.7 J	2 U	77 J	123	101	152	3067.849	3072.999	3071.269	3096.249
CFMW-008	2 U	2 U	2.2 J	2 U	777	456 J	427	527	3099.37	3116.79	3126.91	3163.12
CFMW-008a	2.2 J	2 U	2.8 J	2 U	180	179 J	160	304 J-	3131.41	3132.43	3133.02	3133.24
CFMW-010	7320 J	2120	1020	1190	30900	3190	17200	6810	3065.38	3064.26	3061.96	3078.96
CFMW-011	80.7	132	235	125	207	241 J	298 J+	297 J-	3064.99	3063.39	3060.18	3075
CFMW-011a	2 U	2 U	2 U	2 U	200	194 J-	246	197	3003.1	3003.78	3004.95	3011.6
CFMW-012	2280 J	972	2340	5780	12400	5750 J	12600 J+	30600	3066.78	3065.42	3062.17	3076.98
CFMW-012a	2 U	2 U	2 U	2 U	54.6 J	119	135	139	2997.42	2999.05	3000.11	3006.02
CFMW-014	2750 J	3360	3320	720	8300	17300 J-	13000	3960	3064.88	3063.34	3060.18	3075.13
CFMW-015	6240 J	3100	6600	8120	38400	16800 J-	4740	52900	3065.08	3064.01	3060.97	3075.48
CFMW-016	DRY	DRY	2.3 J	2 U	DRY	DRY	428	338	3068.89	3073.3	3072.66	3094.73
CFMW-016a	2.8 J	2 J	2.1 J	2.1 J	304	293 J-	358 J+	293 J+	3066.78	3073.32	3072.67	3094.62
CFMW-017	DRY	DRY	1880	103	DRY	DRY	13400	1160 J+	DRY	3073.549	3072.919	3094.439
CFMW-018	DRY	DRY	12.2	78	DRY	DRY	569	451	DRY	DRY	3086	3092.74
CFMW-019	961 J	791	1770	1230	2860	2890	2950	3720	3064.43	3062.7	3059.87	3073.25
CFMW-019a	2 U	2 U	2 U	2 U	361	182 J-	214 J+	179 J+	2997.48	2999.07	3000.11	3006.71
CFMW-020	2.9 J	2 U	2 U	2 J	281	301	516	489 J+	3066.687	3073.037	3072.357	3093.767
CFMW-021	400 J	1560	1020	321	1950	3120 J-	4500	1930 J+	3064.435	3062.775	3060.045	3073.255
CFMW-022	155	279	141	13.3	432	558 J-	971	573 J+	3064.74	3064.16	3062.06	3075.7
CFMW-023	2.7 J	2 U	7.6 J	5.9 J	395	452	647	736	3084.582	3092.472	3092.062	3093.672
CFMW-025a	2 U	2 U	2 U	2 U	399	334 J-	524	413	3055.648	3047.518	3048.528	3064.608
CFMW-025b	2 U	2 U	2 U	2 U	585	970 J-	828	515	3068.84	3069.73	3069.5	3073.76
CFMW-026	3.9 J	3.4 J	7.5 J	2 U	1650	1440 J-	2010	1150	3064.06	3061.84	3059.99	3071.71
CFMW-027	603	793	755	560	2390	1970 J-	2560 J+	5160	3064.25	3062.34	3059.51	3072.42
CFMW-028	104	195	283	315	3170 J+	3130 J-	4400	3800 J+	3064.239	3062.309	3059.519	3072.379
CFMW-028a	2 J	2.9 J	2 U	2 U	1020	557 J-	408	286	3064.35	3062.4	3059.68	3072.56
CFMW-029	366	186	258	128	3370 J+	4180 J	1810 J+	2570 J+	3064.44	3062.81	3060.11	3073.43
CFMW-031	233	690	520	104	2440	2100 J-	2700	2770 J-	3063.88	3061.68	3059.04	3071.05
CFMW-032	412 J-	152	238	478	5210 J-	2490	3060 J+	8570	3064.588	3062.478	3059.608	3073.508
CFMW-032a	2 U	2 U	3.9 J	2 U	49 J-	225 J	171	241	3003.585	3004.675	3005.005	3012.515
CFMW-033	478	483	515	181	2340	2040 J-	2620	3250	3063.76	3061.43	3058.79	3070.5
CFMW-034	327	255	275	287	4530 J-	60 U	3200	6590	3061.76	3056.33	3052.69	3070.44
CFMW-035	57.1	51.7	45.1	53	415	305	276	209	3063.36	3061.91	3059.28	3072.86

Appendix A11. Fluoride and Cyanide Concentration in Groundwater Wells
Columbia Falls Aluminum Company, LLC, Phase II SAP, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Cyanide, Total				Fluoride				Water Level (ft-amsl)			
	Round 1	Round 2	Round 3	Round 4	Round 1	Round 2	Round 3	Round 4	Round 1	Round 2	Round 3	Round 4
CFMW-037	66.7	40.7	37.5	75.8	1030 J-	1060 J	1530	1030	3035.16	3027.84	3023.62	3051.69
CFMW-038	260	286	110	298	2590	2400 J-	2830 J+	2810	3026.95	3024.26	3021.72	3031.3
CFMW-040	304	288	288	385	2650	2360	3090	2830	3036.55	3032.01	3028.53	3044.81
CFMW-042	402	DRY	DRY	395	2410	DRY	DRY	2780	3052.4	DRY	DRY	3063.57
CFMW-043	510	423	477	535	2280	2050 J-	2730	2020 J-	3061.92	3057.52	3054.21	3066.89
CFMW-044	430	220	233	69.5	2150	1670 J-	2050	1400 J-	3060.023	3056.413	DRY	3066.393
CFMW-044a	32.8	125	80.8	119	1720	2280	2720	2250 J+	3056.396	3052.876	3049.866	3062.866
CFMW-044b	5.9 J	8.2 J	9.8 J	10.5	153	142	176	138 J+	3044.029	3051.379	3039.809	3051.199
CFMW-045	365	392	381	450	2300	1920 J-	2550	2150 J-	3029.97	3025.2	3022.33	3039.2
CFMW-045a	56	34.8	52.9	63.2	2980	1650 J-	3520 J+	3400 J+	3024.374	3022.884	3020.734	3031.334
CFMW-047	120	145	171	119	2160	1960	2470	1920	3017.43	3017.72	3016.03	3022.96
CFMW-049	93.2	82.9	87.5	89.7	861	834	980 J+	720 J-	3017.793	3019.443	3018.193	3029.713
CFMW-049a	47.1	71.5	8 J	58.6	470 J-	433	439	405 J-	3017.691	3019.511	3018.341	3030.051
CFMW-050	51.7	51.6	72.4	106	811	809	945	744 J-	3017.34	3019.16	3017.99	3027.19
CFMW-053	363	386	DRY	239	1990	1870	DRY	1610 J-	3052.447	3038.577	3035.137	3063.427
CFMW-053a	2 U	2 U	2 U	2 U	15 U	537	428 J+	487 J-	3023.761	3021.971	3020.411	3028.561
CFMW-054	327	382	391	302	1920	1610	2070	1880	3038.9	3035.11	3031.32	3041.01
CFMW-056	2 U	2 U	2 U	2 U	138	107	242	194	3014.789	3015.919	3017.499	3026.289
CFMW-056a	2 U	3.3 J	2 U	2 U	405	400 J-	258	569	3021.119	3022.379	3023.729	3032.369
CFMW-056b	2 U	2 U	2 U	2 U	156	194	271	188	3067.499	3065.929	3065.959	3073.819
CFMW-057	2 U	2 U	2 U	2 U	66.6 J	127 J-	137	204 J-	3011.127	3012.647	3014.427	3023.437
CFMW-057a	2 U	2 U	2 U	2 U	15 U	180 J	425	322 J-	3016.224	3017.494	3018.954	3028.254
CFMW-059	2 U	2 U	2 U	2 U	59.5 J	114	120	124	3049.001	3048.601	3050.411	3056.431
CFMW-059a	2 U	2 U	2 U	2 U	147	198 J	233	185 J-	3046.128	3047.758	3050.278	3055.848
CFMW-061	7.7 J	4 J	2 U	2 U	780	669 J-	786	601 J+	3013.558	3015.028	3014.838	3018.868
CFMW-064	42.7	62.4	13.5	60.1	303	311 J-	344	288 J+	3014.741	3016.511	3016.431	3020.031
Minimum	8	13	8	16	16	17	7	23	27	5	33	0
Maximum	13	12	13	13	9	5	33	17	0	1	0	62

Orange shading indicates minimum concentration across sampling rounds
Purple shading indicates maximum concentration across sampling rounds