SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.

Effluent Quality

2

CERRO EAST

1 53899

DATE Collected	DATES Represented	PH	Cu	Pb	Ni	Zn	SLUDGE Rate	FLOW, GPD	SLUDGE, PPD	Cu, ppd	DATE COLLECTED
	6-14,15	2.7	54				.001889	205,161	388	92.3	6-16-
6-19-78	6-16,17,18	2.8	120				.03277	"	6773	205.3	6-19-
6-21-78	6-19,20	2.8	72				.02924	"	5999	123.1	6-21-
6-23-78	6-21,22	2.4	120				.001357	"	278	205.3	6-23-
6-26-78	6-23,24,25	3.2	15				.03252	256,000	8325	32.0	6-26-
6-28-78	6-26,27	1.9	300				.05575	"	14,272	640.5	6-28-
6-30-78	6-28,29	2.6	33				.03175	"	8,128	70.5	6-30-
7-3-78	6-30, 7-1,2	2.0	300				.04356	"	11,151	640.5	7-3-
7-5-78	7-3,4	2.0	350				.09050	"	23,168	747.3	7-5-
7-7-78	7-5,6	1.9	360				.084646	"	21,669	768.6	7-7-
7-10-78	7-7,8,9	2.5	—				.05713	"	14,625	—	7-10-
7-12-78	7-10,11	—	—	NO	SAMPLE		—	—	—	—	7-12-
7-14-78	7-12,13	2.6	26				.03279	"	8394	55.5	7-14-
7-17-78	7-15,16	2.6	90				.03472	"	8888	192.2	7-17-
7-19-78	7-17,18	—	—	NO	SAMPLE		—	—	—	—	7-19-
7-21-78	7-19,20	2.7	20				.00231	"	591	42.7	7-21-
7-24-78	7-21,22,23	3.4	14				.001028	"	263	29.9	7-24-
7-26-78	7-24,25	3.6	20				.001207	542,400	655	90.5	7-26-
7-28-78	7-26,27	3.8	22				.001194	"	648	99.5	7-28-
7-31-78	7-28,29,30	3.0	25				.009504	"	5155	113.1	7-31-
8-2-78	7-31, 8-1	3.2	21				.01375	"	7458	95.0	8-2-
8-4-78	8-2,3	3.3	22				.014056	"	7624	99.5	8-4-
8-7-78	8-4,5,6	4.3	22				.01044	"	5663	99.5	8-7-
8-9-78	8-7,8	3.2	20				.01581	"	8575	90.5	8-9-
8-11-78	8-9,10	2.2	14				.03191	"	17,307	63.4	8-11-
8-14-78	8-11,12,13	3.0	11				.01246	"	6758	49.8	8-14
8-16-78	8-14,15	2.4	12				.03032	"	16,446	54.3	8-16-
8-18-78	8-16,17	3.6	20				.007722	"	4188	90.5	8-18
8-21-78	8-18,19,20	2.5	15				.03432	"	18,615	67.9	8-21
8-23-78	8-21,22	3.4	11				.01669	"	9053	49.8	8-23
8-25-78	8-23,24	3.6	10				.01216	625,588	7607	52.2	8-25
8-28-78	8-25,26,27	3.6	18				.009337	"	5841	93.8	8-28
8-30-78	8-28,29	3.4	15				.007010	"	4385	78.2	8-30
9-1-78	8-30,31	3.0	4				.006536	"	4089	20.8	9-1-
9-4-78	9-1,2,3	3.0	5				.006011	"	3760	26.0	9-4-
9-6-78	9-4,5	3.5	18				.005949	"	3722	93.8	9-6
9-8-78	9-6,7	2.7	40				.012055	"	7541	208.7	9-8-
9-11-78	9-8,9,10	4.1	2				.004269	"	2671	10.4	9-11-
9-13-78	9-11,12	3.4	18				.006853	"	4287	93.8	9-13-
9-15-78	9-13,14	3.1	4				.007850	"	4911	20.8	9-15
9-18-78	9-15,16,17	3.7	4				.004395	"	2748	20.8	9-18
9-20-78	9-18,19	3.5	2				.003776	"	2362	10.4	9-20
9-22-78	9-20,21	2.8	15				.007563	"	4731	78.2	9-22

C03299

CERRO WEST

pd	DATE COLLECTED	DATES REPRESENTED	Ph	Cu	Pb	Ni	Zn	Sludge Rate	FLOW, GPD	SLUDGE, PPD	Cu, ppd
5	6-16-78	6,14,15	7.5	1				.008927	734,138	6554	6.1
3	6-19-78	6-16,17,18	—	—	NO	SAMPLE		— — —	—	—	—
.1	6-21-78	6-19,20	8.1	1				.001867	"	1371	6.1
.3	6-23-78	6-21,22	10.1	1				.000875	"	642	6.1
0	6-26-78	6-23,24,25	5.6	1				.003361	194,000	652	6.1
-	6-28-78	6-26,27	—	—	NO	SAMPLE			—	—	—
	6-30-78	6-28,29	—	—	NO	SAMPLE			—	—	—
5	7-3-78	6-30, 7-1,2	7.4	1				.004118	"	799	1.6
3	7-5-78	7-3,4	7.4	1				.003600	"	698	1.6
6	7-7-78	7-5,6	7.5	1				.003918	"	760	1.6
	7-10-78	7-7,8,9	7.7	1				.003448	"	669	1.6
	7-12-78	7-10,11	—	—	NO	SAMPLE		—	—	—	—
5	7-14-78	7-12,13	7.9	1				.003652	"	708	1.6
2	7-17-78	7-15,16	—	—	NO	SAMPLE		—	—	—	—
	7-19-78	7-17,18	2.9	3				.001426	"	276	4.8
7	7-21-78	7-19,20	—	—	NO	SAMPLE		—	—	—	—
9	7-24-78	7-21,22,23	—	—	NO	SAMPLE		—	—	—	—
5	7-26-78	7-24,25	7.5	1				.000315	144,000	45	1.2
-	7-28-78	7-26,27	7.2	1				.000359	"	52	1.2
1	7-31-78	7-28,29,30	7.1	1				.0007103	"	102	1.2
0	8-2-78	7-31, 8-1	7.2	1				.009804	"	141	1.2
5	8-4-78	8-2,3	7.2	1				.001516	"	218	1.2
5	8-7-78	8-4,5,6	7.3	1				.0001367	"	20	1.2
5	8-9-78	8-7,8	7.2	1				.002031	"	292	1.2
4	8-11-78	8-9,10	7.0	1				.001601	"	231	1.2
.8	8-14-78	8-11,12,13	7.3	1				.001229	"	177	1.2
3	8-16-78	8-14,15	7.4	2				.001674	"	241	2.4
5	8-18-78	8-16,17	7.3	1				.0008870	"	128	1.2
9	8-21-78	8-18,19,20	7.3	1				.001209	"	174	1.2
8	8-23-78	8-21,22	—	—	NO	SAMPLE		—	—	—	—
.2	8-25-78	8-23,24	7.3	1				.001879	130,504	245	1.1
.8	8-28-78	8-25,26,27	6.6	1				.003758	"	490	1.1
.2	8-30-78	8-28,29	6.8	1				.003001	"	392	1.1
8	9-1-78	8-30,31	6.9	1				.003287	"	429	1.1
0	9-4-78	9-1,2,3	6.5	1				.003018	"	394	1.1
8	9-6-78	9-4,5	6.6	1				.004098	"	535	1.1
.7	9-8-78	9-6,7	6.7	1				.003473	"	453	1.1
1	9-11-78	9-8,9,10	6.8	1				.002499	"	326	1.1
6	9-13-78	9-11,12	7.1	1				.002461	"	321	1.1
8	9-15-78	9-13,14	7.2	1				.002634	"	344	1.1
8	9-18-78	9-15,16,17	7.0	1				.002439	"	318	1.1
4	9-20-78	9-18,19	7.0	1				OILY	"	—	1.1
2	9-22-78	9-20,21	6.4	1				OILY	"	—	1.1

CERRO - EAST

DATES COLLECTED	DATES REPRESENTED	pH	Cu	Pb	Ni	Zn	Sludge Rate	FLOW, GPD	SLUDGE, PPD	Cu, PPD	DATES COLLECTED
9-25-78	9-22,23,24	3.0	10				.022943	"	14,353	52.2	9-25-78
9-27-78	9-25,26	3.1	10				.003804	691,633	2631	57.7	9-27-78
9-29-78	9-27,28	3.5	9				.003940	"	2725	56.8	9-29-78
10-2-78	9-29,30,10-1	3.4	10				.003066	"	2121	57.7	10-2-7
10-4-78	10-2,3	2.5	20				.004973	691,633	3439	115.4	10-4-7
10-6-78	10-4,5	5.5	20				.003203	"	2215	115.4	10-6-7
10-9-78	10-6,7,8	5.5	6				.003244	"	2244	34.6	10-9-7
10-11-78	10-9,10	2.7	20				.007757	"	5365	115.4	10-11-7
10-13-78	10-11,12	3.0	20				.007930	"	5485	115.4	10-13-7
10-16-78	10-13,14,15	5.7	3				.002500	"	1729	17.3	10-16-
10-18-78	10-16,17	3.2	10				.008568	"	5926	57.7	10-18-
10-20-78	10-18,19	—	—	NO	S	AMPLE	—	—	—	—	10-20-
10-23-78	10-20,21,22	3.3	10				.003427	"	2370	57.7	10-23-
10-25-78	10-23,24	3.7	14				.006490	"	4489	80.8	10-25-
10-27-78	10-25,26	2.6	19				.009088	567,167	5154	89.9	10-27-
10-30-78	10-27,28,29	3.0	3				.003341	"	1895	14.2	10-30-
11-1-78	10-30,31	2.7	20				.007096	"	4025	94.6	11-1-
11-3-78	11-1,2	3.0	20				.008572	"	4862	94.6	11-3-
11-6-78	11-3,4,5	6.1	4				.004787	"	2715	18.9	11-6-
11-8-78	11-6,7	3.0	20				.018796	"	10,660	94.6	11-8-
11-10-78	11-8,9	2.8	20				.009349	"	5302	94.6	11-10
11-13-78	11-10,11,12	2.6	20				.012955	"	7348	94.6	11-13
11-15-78	11-13,14	2.1	20				.035949	"	22,397*	94.6	11-15
11-17-78	11-15,16	3.5	20				.007293	"	4136*	94.6	11-17-
11-20-78	11-17,18,19	4.1	20				.004769	"	2705	94.6	11-20
11-23-78	11-20,21	3.9	20				.007751	"	4396	94.6	11-23
11-24-78	11-22,23	2.7	1				.013886	"	7876	4.73	11-22
11-27-78	11-24,25,26	3.4	TR.				.005565	598,143	3329	5.0	11-27
11-29-78	11-27,28	3.7	TR.				.006796	"	4065	5.0	11-2
12-1-78	11-29,30	3.9	1				.007153	598,143	4279	5.0	12-
12-4-78	12-1,2,3	7.0	TR				.002912	"	1742	5.0	12-
12-6-78	12-4,5	5.0	TR				.008456	"	5058	5.0	12-6-
12-8-78	12-6,7	2.8	55				.009344	"	5589	274.4	12-8
12-11-78	12-8,9,10	5.3	7				.006013	"	3597	34.9	12-1
12-13-78	12-11,12	2.6	95				.008919	"	5335	473.9	12-1
12-15-78	12-13,14	3.2	18				.004187	"	2504	89.8	12-1
12-18-78	12-15,16,17	6.4	1				.002709	"	1620	5.0	12-1
12-20-78	12-18,19	3.0	40				.006523	"	3902	199.5	12-2
12-22-78	12-20,21	3.4	42				.0014163	"	8471	209.5	12-2
12-25-78	12-22,23,24	6.2	1				.002937	790,909	2323	6.6	12-2
12-27-78	12-25,26	3.2	30				.004308	"	3403	197.9	12-2
12-29-78	12-27,28	4.4	10				.004143	"	3285	65.7	12-2
1-1-79	12-29,30,31	5.4	6				.004741	"	3750	39.6	1-1

CERRO-WEST

PPD	DATES COLLECTED	DATES REPRESENTED	pH	Cu	Pb	Ni	Zn	SLUDGE RATE	FLOW, GPD	SLUDGE, PPD	Cu, PPD
2	9-25-78	9-22,23,24	6.5	5				.003816	"	498	5.4
7	9-27-78	9-25,26	9.0	5				.005641	146,300	825	6.2
8	9-29-78	9-27,28	11.2	3				.001967	"	288	3.7
7	10-2-78	9-29,30,10-1	11.0	10				.005791	"	847	12.4
4	10-4-78	10-2,3	7.0	3				.001499	146,300	219	3.7
.4	10-6-78	10-4,5	7.9	3				.001183	"	173	3.7
6	10-9-78	10-6,7,8	6.7	4				.000885	"	129	4.9
4	10-11-78	10-9,10	5.7	11				.006039	"	884	13.4
.4	10-13-78	10-11,12	6.1	4				.000682	"	100	4.9
.3	10-16-78	10-13,14,15	12.0	7				.007364	"	1077	8.5
.7	10-18-78	10-16,17	—	—	NO	SAMPLE		—	—	—	—
-	10-20-78	10-18,19	11.2	5				.003869	"	566	6.2
7	10-23-78	10-20,21,22	—	—	NO	SAMPLE			—	—	—
8	10-25-78	10-23,24	—	—	NO	SAMPLE			—	—	—
9	10-27-78	10-25,26	—	—	NO	SAMPLE			—	—	—
.2	10-30-78	10-27,28,29	6.4	4				.003436	215,133	739	7.2
.6	11-1-78	10-30,31	6.6	5				.000359	"	77	8.9
.6	11-3-78	11-1,2	6.1	5				.001076	"	231	8.9
9	11-6-78	11-3,4,5	6.6	8				.002197	"	473	14.4
6	11-8-78	11-6,7	6.9	8				.001459	"	314	14.4
6	11-10-78	11-8,9	6.6	3				.002451	"	527	5.4
6	11-13-78	11-10,11,12	6.7	1				.002676	"	576	1.8
6	11-15-78	11-13,14	6.6	3				.000728	"	157*	5.4
6	11-17-78	11-15,16	6.4	2				.00526	"	1129*	3.6
6	11-20-78	11-17,18,19	7.0	5				.001552	"	334	5.4
6	11-23-78	11-20,21	7.1	4				.001856	"	399	7.2
1	11-22,23	11-22,23	7.3	1				.000429	"	92	1.8
.	11-27-78	11-24,25,26	8.0	2				.000184	252,179	39	4.2
.	11-29-78	11-27,28	7.3	4				.001550	"	391	8.4
5	12-1-78	11-29,30	7.2	3				.004787	"	1207	6.3
0.	12-4-78	12-1,2,3	8.0	1				.000435	"	110	2.1
0	12-6-78	12-4,5	7.9	1				.000436	"	110	2.1
1.4	12-8-78	12-6,7	6.3	5				.001463	"	369	10.5
9	12-11-78	12-8,9,10	6.9	2				.002114	"	533	4.2
13.9	12-13-78	12-11,12	6.7	1				.000115	"	290	2.1
7.8	12-15-78	12-13,14	6.4	1				.000486	"	123	2.1
.	12-18-78	12-15,16,17	6.5	1				.000599	"	151	2.1
.5	12-20-78	12-18,19	7.6	1				.000865	"	218	2.1
7.5	12-22-78	12-20,21	7.2	1				.000153	"	38	2.1
.	12-25-78	12-22,23,24	7.3	1				.000185	362,212	67	3.0
7.9	12-27-78	12-25,26	7.3	1				.001099	"	398	3.0
7	12-29-78	12-27,28	7.1	1				.000215	"	77	3.0
.	1-1-79	12-29,30,31	7.5	1				.000108	"	39	3.0

CERRO - EAST

DATES COLLECTED	DATES REPRESENTED	pH	Cu	Pb	Ni	Zn	SLUDGE RATE	FLOW, GPD	SLUDGE, GPD	Cu, ppd	DATES COLLECTED
3-26-79	3-23,24,25	5.8	12				.003455	701,091	2422	61.6	3-26-
3-28-79	3-26,27	3.5	38				.006838	615,300	4207	195.0	3-28-
3-30-79	3-28,29	5.0	38				.003144	"	1935	195.0	3-30
4-2-79	3-30,31,4-1	5.5	24				.002943	"	1817	123.2	4-2-
4-4-79	4-2,3	5.0	40				.001277	"	786	205.3	4-4-
4-6-79	4-4,5	4.7	38				.004552	"	2801	195.0	4-6
4-9-79	4-6,7,8	4.7	18				.003220	"	1981	92.4	4-9
—	4-9,10,11	—	—	—	—	NO	SAMPLE	—	—	—	
4-13-79	4-12	4.5	45				.007813	"	4807	231.0	4-13
4-16-79	4-13,14,15	4.0	24				.002858	"	1759	123.2	4-16
4-18-79	4-16,17	3.5	48				.009811	"	6037	246.4	4-18
4-20-79	4-18,19	3.8	38				.007518	"	4626	195.0	4-20
4-23-79	4-20,21,22	4.2	28				.005307	"	3265	145.7	4-23
4-25-79	4-23,24	4.5	10				.004745	"	2920	51.3	4-25
4-27-79	4-25,26	3.2	40				.005756	380,357	2189	127	4-27
4-30-79	4-27,28,29	3.2	18				.005103	"	1941	57	4-30
5-2-79	4-30,5-1	3.2	30				.007051	"	2682	95	5-2-
5-4-79	5-2,3	3.0	40				.009747	"	3707	127	5-4-
5-7-79	5-4,5,6	3.0	10				.007878	"	2996	32	5-7
5-9-79	5-7,8	3.2	38				.022067	"	8393	121	5-9
5-11-79	5-9,10	3.0	46				.016321	"	6207	146	5-11
5-14-79	5-11,12,13	3.1	26				.009389	"	3571	83	5-14
5-16-79	5-14,15	2.7	44				.018219	"	6930	140	5-16
5-18-79	5-16,17	2.8	44				.016706	"	6354	140	5-18
5-21-79	5-18,19,20	3.3	45				.016137	"	6138	143	5-21
5-23-79	5-21,22	3.3	46				.009186	"	3494	146	5-23
5-25-79	5-23,24	2.6	46				.025559	215,000	5495	83	5-25
5-28-79	5-25,26,27	—	—		NO	SAMPLE	—	—	—	—	5-28
5-30-79	5-28,29	—	—		NO	SAMPLE	—	—	—	—	5-30
6-1-79	5-30,31	2.5	48				.023431	"	5038	86	6-1-
6-2-79	6-1	—	—		NO	SAMPLE	—	—	—	—	6-2
6-4-79	6-2,3	2.4	42				.02183	"	2758	76	6-4
6-6-79	6-4,5	2.4	138				.010342	"	2224	248	6-6
6-8-79	6-6,7	2.4	102				.019941	"	4287	184	6-8
6-11-79	6-8,9,10	3.5	17				.002137	"	459	31	6-11
6-13-79	6-11,12	2.5	83				.00500	"	1075	149	6-13
6-15-79	6-13,14	2.7	46				.006942	"	1492	83	6-15
6-16-79	6-15	—	—		NO	SAMPLE	—	—	—	—	6-16
6-18-79	6-16,17	2.8	16				.003439	"	739	29	6-18
6-20-79	6-18,19	3.0	54				.000718	"	154	97	6-20
6-22-79	6-20,21	3.0	24				.006917	"	1487	43	6-22
6-25-79	6-22,23,24	3.1	26				.004148	"	892	47	6-25
6-27-79	6-25,26	3.2	80				.003746	"	805	144	6-27

CERRO-WEST

ppd	DATES COLLECTED	DATES REPRESENTED	ph	Cu	Pb	Ni	Zn	SLUDGE RATE	FLOW, GPD	SLUDGE, GPD	Cu, ppd
.6	3-26-79	3-23,24,25	6.5	6				.000437	282,091	123	14.1
.0	3-28-79	3-26,27	—	—			NO	SAMPLE	—	—	—
.0	3-30-79	3-28,29	6.0	8				.000556	210,900	117	14.0
2	4-2-79	3-30,31,4-1	6.1	4				.000276	"	58	7.0
.3	4-4-79	4-2,3	6.1	4				.000210	"	44	7.0
0	4-6-79	4-4,5	6.1	4				.000293	"	62	7.0
4	4-9-79	4-6,7,8	6.0	4				.000140	"	30	7.0
		4-9,10,11	—	—			NO	SAMPLE	—	—	—
0	4-13-79	4-12	6.0	4				.000414	"	87	7.0
2	4-16-79	4-13,14,15	6.0	4				.000167	"	35	7.0
4	4-18-79	4-16,17	6.2	10				.000997	"	210	17.6
	4-20-79	4-18,19	—	—			NO	SAMPLE	—	—	—
7	4-23-79	4-20,21,22	6.2	10				.001024	"	216	17.6
3	4-25-79	4-23,24	6.0	4				.000226	"	48	7.0
	4-27-79	4-25,26	6.9	7				.001094	338,000	370	21
	4-30-79	4-27,28,29	6.9	30				.002907	"	982	113
	5-2-79	4-30,5-1	6.8	36				.003128	"	1057	102
	5-4-79	5-2,3	7.0	16				.003795	"	1283	45
	5-7-79	5-4,5,6	—	—		NO	SAMPLE	—	—	—	—
1	5-9-79	5-7,8	7.0	38				.002792	"	944	107
	5-11-79	5-9,10	7.0	42				.014604	"	4937	119
3	5-14-79	5-11,12,13	7.0	24				.003522	"	1191	68
	5-16-79	5-14,15	—	—		NO	SAMPLE	—	—	—	—
	5-18-79	5-16,17	6.6	10				.003465	338,000	1171	28
3	5-21-79	5-18,19,20	7.0	8				.003102	"	1049	23
	5-23-79	5-21,22	7.0	42				.003969	"	1342	119
	5-25-79	5-23,24	7.0	14				.005563	584,900	3254	68
	5-28-79	5-25,26,27	—	—		NO	SAMPLE	—	—	—	—
—	5-30-79	5-28,29	7.1	16				.001497	"	876	78
	6-1-79	5-30,31	7.4	6				.002188	"	1280	29
—	6-2-79	6-1	—	—		NO	SAMPLE	—	—	—	—
	6-4-79	6-2,3	7.4	6				.001626	"	951	29
8	6-6-79	6-4,5	7.4	9				.002314	"	1353	44
1	6-8-79	6-6,7	7.3	13				.002537	"	1484	63
	6-11-79	6-8,9,10	6.8	4				.001265	"	740	19
9	6-13-79	6-11,12	7.4	3				.001777	"	1039	15
	6-15-79	6-13,14	6.4	9				.002040	"	1193	44
—	6-16-79	6-15	—	—		NO	SAMPLE	—	—	—	—
1	6-18-79	6-16,17	—	—		NO	SAMPLE	—	—	—	—
	6-20-79	6-18,19	7.0	6				.001784	"	1043	29
	6-22-79	6-20,21	7.0	6				.002103	"	1230	29
1	6-25-79	6-22,23,24	7.9	1				.001315	"	769	5
1	6-27-79	6-25,26	—	—		NO	SAMPLE	—	—	—	—

CERRO-EAST

DATES COLLECTED	DATES REPRESENTED	PH	Cu	Pb	Ni	Zn	SLUDGE RATE	FLOW, GPD	SLUDGE, GPD	Cu, ppd	DATES COLLECTED
6-29-79	6-27,28	2.8	38				.00783	245,500	1922	78	6-29-79
7-3-79	6-30,7-1,2	2.7	22				.004278	"	1050	45	7-3-79
7-4-79	7-2,3	2.7	38				.016357	"	4016	78	7-4-79
7-6-79	7-4,5	2.7	39				.016964	"	4165	80	7-6-79
7-9-79	7-6,7,8	2.6	38				.041284	"	10,135	78	7-9-79
7-11-79	7-9,10	2.7	40				.041494	"	10,187	82	7-11-79
7-13-79	7-11,12	2.6	48				.040554	"	9956	98	7-13-79
7-16-79	7-13,14,15	2.7	56				.010350	"	2541	115	7-16-79
7-18-79	7-16,17	2.5	52				.027656	"	6790	107	7-18-79
7-20-79	7-18,19	2.8	22				.01562	"	3835	45	7-20-79
7-23-79	7-20,21,22	2.7	62				.014195	"	3613	127	7-23-79
7-25-79	7-23,24	2.6	42				.041344	"	10.174	86	7-25-79
7-27-79	7-25,26	2.8	36				.021133	355,857	7530	107	7-27-79
7-29-79	7-27,28	2.7	28				.011219	"	3992	83	7-29-79
8-1-79	7-29,30,31	2.5	64				.008981	"	3196	190	8-1-79
8-3-79	8-1,2	2.8	42				.008978	"	3195	125	8-3-79
8-6-79	8-3,4,5	2.7	23				.004983	"	1773	68	8-6-79
8-8-79	8-6,7	4.0	560				.030316	"	10,733	1663	8-8-79
8-10-79	8-8,9						NO SAMPLE				8-10-79
8-13-79	8-10,11,12						NO SAMPLE				8-13-79
8-15-79	8-13,14						NO SAMPLE				8-15-79
8-17-79	8-15,16	3.6	68				.016118	"	5736	202	8-17-79
8-20-79	8-17,18,19	3.5	100				.017265	"	6144	297	8-20-79
8-22-79	8-20,21	3.1	64				.019658	"	6995	190	8-22-79

CERRO - WEST

DATES COLLECTED	DATES REPRESENTED	pH	Cu	Pb	Ni	Zn	SLUDGE RATE	FLOW, GPD	SLUDGE, GPD	Cu, PPD
6-29-79	6-27,28						NO SAMPLE			
7-3-79	6-30,7-1,2						NO SAMPLE			
7-4-79	7-2,3	6.9	14				.002768	80,643	223	10
7-6-79	7-4,5	7.1	3				.003688	"	297	2
7-9-79	7-6,7,8	7.2	1				.000969	"	78	1
7-11-79	7-9,10	7.0	6				.00544	"	439	4
7-13-79	7-11,12	7.3	2				.001896	"	153	2
7-16-79	7-13,14,15	7.4	10				.001987	"	160	7
7-18-79	7-16,17	7.1	1				.004300	"	347	1
7-20-79	7-18,19						NO SAMPLE			
7-23-79	7-20,21,22	7.5	2				.001833	"	148	2
7-25-79	7-23,24						NO SAMPLE			
7-27-79	7-25,26	7.1	4				.002449	594,178	1455	20
7-29-79	7-27,28	7.0	4				.001711	"	1017	20
8-1-79	7-29,30,31	7.3	10				.001947	"	1157	50
8-3-79	8-1,2	7.2	6				.002392	"	1421	30
8-6-79	8-3,4,5	7.3	1				.002276	"	1352	5
8-8-79	8-6,7	7.7	2				.003614	"	2147	10
8-10-79	8-8,9	7.4	3				.002080	"	1236	15
8-13-79	8-10,11,12	7.5	12				.003876	"	2303	60
8-15-79	8-13,14	7.5	20				.002949	"	1752	100
8-17-79	8-15,16	7.7	5				.002027	"	1204	25
8-20-79	8-17,18,19	7.6	44				.003684	"	2189	220
8-22-79	8-20,21	6.7	4				.001665	"	989	20

CERRO - EAST

DATE COLLECTED	DATES REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECTED
	8-27, 28/89	2.6	218, 212	1.8	3.2	58	104	58	104	42	76	
	8-29, 30	2.6	"	1.8	3.2	70	126	48	86	114	205	
	8-31, 9-1,2	3.1	"	4.2	7.5	17	31	26	47	64	115	
	9-3,4	2.6	"	10	18	86	155	77	139	268	482	
	9-5,6	2.6	"	3	5	78	140	67	121	208	374	
	9-7,8,9	2.8	"	1	2	18	32	5	9	31	56	
	9-10,11	—	"			NO SAMPLE						
	9-12,13	2.7	"	1	2	22	40	12	22	22	40	
	9-14,15,16	4.2	"	2	4	21	38	10	18	171	308	
	9-17,18	—				NO SAMPLE						
	9-19,20	3.0	"	2	4	42	76	18	32	180	324	
	9-21,22,23	3.0	"	2	4	15	27	4	7	35	63	
	9-24,25	2.8	212, 366	2	3	51	90	19	34	326	577	
	9-26,27	2.7	"	1	2	39	69	17	30	170	318	
	9-28,29,30	2.7	"	1	2	13	23	3	5	8	14	
	10-1,2	2.8	"	2	3	54	96	18	32	130	230	
	10-3,4	2.8	"	1	2	48	85	16	28	65	115	
	10-5,6,7	2.7	"	1	2	30	53	24	42	57	100	
	10-8,9	2.6	"	1	2	48	85	30	53	24	42	
	10-10,11	2.6	"	1	2	37	65	19	34	59	104	
	10-12,13,14	2.8	"	1	2	8	14	4	7	42	75	
	10-15,16	2.7	"	1	2	59	104	28	50	31	55	
	10-17,18	2.7	"	2	3	88	156	50	89	41	75	
	10-19,20,21	2.7	"	1	2	10	18	6	11	5	9	
	10-22,23	2.7	"	3	5	84	149	20	35	27	48	
	10-24,25	2.9	236, 750	1	2	28	56	13	26	25	50	
	10-26,27,28	3.0	"	1	2	4	8	1	2	4	8	
	10-29,30	2.9	"	2	4	39	78	14	28	67	134	
	10-31, 11-1	2.8	"	1	2	36	72	19	38	52	104	
	11-2,3,4	3.6	"	1	2	15	30	7	14	89	178	
	11-5,6,7	—	"			NO SAMPLE						
	11-8,9,10	—	"			NO SAMPLE						
	11-11,12,13	2.8	"	1	2	40	80	17	34	29	58	
	11-14,15	2.8	"	1	2	33	66	10	20	11	22	
	11-16,17,18	2.8	"	1	2	21	42	4	8	3	6	
	11-19,20	2.8	"	1	2	45	90	18	36	58	116	
	11-21,22	2.8	287, 366	2	5	43	103	16	38	126	301	
	11-23,24,25	2.8	"	1	2	21	50	5	12	14	33	
	11-26,27	2.9	"	2	5	42	100	18	42	103	246	
	11-28,29	3.0	"	2	5	36	86	14	33	54	129	
	11-30, 12-1,2	3.1	"	2	5	42	100	17	40	43	103	
	12-3,4	3.4	"	1	2	29	69	14	33	40	96	
	12-5,6	3.4	"	1	2	38	91	18	43	84	201	

CERRO - WEST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
	8-27,28/29	6.8	631,636	4	21	26	138	38	200	8	42
	8-29,30	6.8	"	5	26	24	126	35	184	14	74
	8-31,9-1,2	6.8	"	4	21	24	126	22	116	8	42
	9-3,4	7.0	"	27	142	42	221	80	420	162	852
	9-5,6	6.6	"	4	21	22	116	54	284	14	74
	9-7,8,9	7.5	"	4	21	19	100	8	42	18	95
	9-10,11	7.1	"	2	10	18	95	8	42	11	58
	9-12,13	6.9	"	2	10	20	105	7	37	10	53
	9-14,15,16	7.0	"	11	58	18	95	11	58	16	84
	9-17,18	—	"	NO SAMPLE							
	9-19,20	6.8	"	12	63	24	126	11	58	24	126
	9-21,22,23	6.9	"	3	16	21	110	3	16	8	42
	9-24,25	—	522,833	NO SAMPLE							
	9-26,27	—	"	NO SAMPLE							
	9-28,29,30	6.8	"	4	17	10	44	4	17	13	57
	10-1,2	—	"	NO SAMPLE							
	10-3,4	—	"	NO SAMPLE							
	10-5,6,7	—	"	NO SAMPLE							
	10-8,9	—	"	NO SAMPLE							
	10-10,11	6.7	"	6	26	16	70	12	52	24	105
	10-12,13,14	6.7	"	1	4	11	48	3	13	7	31
	10-15,16	6.7	"	3	13	25	109	14	61	26	104
	10-17,18	6.7	"	3	13	23	100	13	57	12	52
	10-19,20,21	6.8	"	6	26	31	135	24	105	27	118
	10-22,23	6.7	"	2	9	18	78	6	26	10	44
	10-24,25	6.8	212,428	2	4	18	32	4	7	8	14
	10-26,27,28	6.8	"	2	4	21	37	7	12	15	26
	10-29,30	6.8	"	116	205	148	262	130	230	363	625
	10-31, 11-1	6.6	"	245	434	88	156	259	458	554	981
	11-2,3,4	6.7	"	53	94	16	28	31	55	151	267
	11-5,6,7	—	"	NO SAMPLE							
	11-8,9,10	6.5	"	6	11	23	41	12	21	47	83
	11-11,12,13	6.7	"	1	2	23	41	8	14	1	2
	11-14,15	6.8	"	1	2	26	46	13	23	4	7
	11-16,17,18	6.8	"	3	5	27	48	16	28	12	21
	11-19,20	6.8	"	3	5	29	51	24	42	18	32
	11-21,22	7.0	591,400	1	5	16	80	3	15	1	5
	11-23,24,25	6.5	"	5	25	33	165	22	110	22	110
	11-26,27	6.6	"	2	10	4	20	2	10	8	40
	11-28,29	6.7	"	2	10	4	20	3	15	12	60
	11-30, 12-1,2	6.6	"	2	10	4	20	3	15	13	65
	12-3,4	6.6	"	2	10	4	20	2	10	9	45
	12-5,6	6.6	"	3	15	4	20	3	15	24	120

CERRO - EAST

DATE COLLECTED	DATES REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATES COLLECTED
	12-7,89	—	287,366	—	—	NO	SAMPLE	—	—	—	—	
	12-10,11	—	"	—	—	NO	SAMPLE	—	—	—	—	
	12-12,13	3.8	"	2	5	39	93	34	81	144	344	
	12-14,15,16	—	"	—	—	NO	SAMPLE	—	—	—	—	
	12-17,18	3.0	"	2	5	43	103	29	69	37	88	
END 1979	12-19,20	3.1	"	2	5	38	91	19	46	24	57	END 19
BEGIN 1980	12-21,22,23	3.3	254,636	2	4	36	76	24	51	44	93	BEGIN 19
	12-24,25	3.8	" 2.12	1	2	16	34	3	6	11	23	
	12-26,27,-79	2.3	"	<1	<2	60	126	19	40	132	280	
	12-28,29,30	2.4	"	<1	<2	32	68	5	11	44	93	
	1-2,3-80	2.4	"	2	4	80	168	24	51	440	933	
	1-4,5,6,	2.3	"	<1	<2	36	76	20	42	77	163	
	1-7,8	2.3	"	<1	<2	64	136	20	42	44	93	
	1-9,10	2.3	"	<1	<2	72	152	24	51	110	233	
	1-11,12,13	2.4	"	2	4	64	136	24	51	48	102	
	1-14,15	—	"	—	—	NO	SAMPLE	—	—	—	—	
	1-18,19,20	2.7	"	<1	<2	10	21	2	4	7	15	
	1-21,22,	2.5	"	1	2	40	85	22	47	35	74	
	1-23,24	2.5	270,066	1	2	36	81	15	34	88	198	
	1-30,31	2.6	" 2.25	2	4	80	180	33	74	44	99	
	2-1,2,3	2.5	"	1	2	38	86	22	50	26	59	
	2-4,5	—	"	—	—	NO	SAMPLE	—	—	—	—	
	2-6,7,	2.4	"	2	4	42	95	18	40	264	594	
	2-8,9,10	2.7	"	1	2	15	34	4	9	88	198	
	2-11,12	—	"	—	—	NO	SAMPLE	—	—	—	—	
	2-13,14	26	"	<1	<2	20	45	5	11	23	52	
	2-15,16,17	2.7	"	<1	<2	15	34	4	9	18	40	
	2-18,19	—	"	—	—	NO	SAMPLE	—	—	—	—	
	2-20,21	2.7	"	1	2	90		20	45	60	135	
	2-22,23,24	—	235,193	—	—	NO	SAMPLE	—	—	—	—	
	2-25,26	—	"	—	—	NO	SAMPLE	—	—	—	—	
	2-27,28,29	—	"	—	—	NO	SAMPLE	—	—	—	—	
	3-1,2	—	" 1.96	—	—	NO	SAMPLE	—	—	—	—	
	3-3,4	2.8	"	2	4	82	161	40	78	30	59	
	3-5,6	2.6	"	3	6	92	180	40	78	58	114	
	3-7,8,9	2.8	"	5	10	42	82	28	55	160	314	
	3-10,11-80	2.8	"	<1	<2	20	40	14	28	6	12	
	3-12-13	—	"	—	—	NO	SAMPLE	—	—	—	—	
	3-14,15,16	3.0	"	3	6	74	145	27	54	28	56	
	3-17,18	—	"	—	—	NO	SAMPLE	—	—	—	—	
	3-19,20	—	"	—	—	NO	SAMPLE	—	—	—	—	
	3-21,22,23	—	"	—	—	NO	SAMPLE	—	—	—	—	
	3-24,25-80	2.8	182,233 1.52	2	3	100	152	40	61	70	106	

CERRO - WEST

Red	DATES COLLECTED	DATES REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
—		12-7,8,9	—	591,900	—	NO	SAMPLE	—				
—		12-10,11	6.4	"	3	15	1	5	4	20	12	60
44		12-12,13	6.3	"	3	15	8	40	8	40	17	85
—		12-14,15,16	6.3	"	5	25	20	100	34	170	14	70
8		12-17,18	6.4	"	6	30	28	140	50	250	20	100
7	GWO 1979	12-19,20	6.3	"	21	105	26	130	79	395	94	470
73	BOGN 1980	12-21,22,23	6.7	627,212	3	16	18	94	22	115	13	68
23		12-24,25	—	" 5.73	—	NO	SAMPLE	—				
80		12-26,27	—	"	—	NO	SAMPLE	—				
3		12-28,29,30	—	"	—	NO	SAMPLE	—				
33		1-2,3	—	"	—	NO	SAMPLE	—				
63		1-4,5,6	—	"	—	NO	SAMPLE	—				
3		1-7,8	—	"	—	NO	SAMPLE	—				
33		1-9,10	—	"	—	NO	SAMPLE	—				
02		1-11,12,13	—	"	—	NO	SAMPLE	—				
—		1-14,15-80	7.4	"	28	146	16	84	24	125	33	173
5		1-18,19,20	7.9	"	<1	<5	14	73	2	10	1	5
4		1-21,22	7.7	"	2	10	8	42	15	78	10	52
18		1-23,24	—	474,400	—	NO	SAMPLE	—				
79		1-30,31	7.9	" 3.96	<1	<4	7	28	2	8	6	24
59		2-1,2,3	7.9	"	12	48	6	24	6	24	12	48
—		2-4,5	7.6	"	3	12	4	16	2	4	18	71
94		2-6,7	7.6	"	8	32	14	55	29	115	88	348
18		2-8,9,10	7.9	"	10	40	10	40	9	36	66	261
—		2-11,12	7.2	"	12	48	10	40	9	36	70	277
72		2-13,14	7.2	"	20	79	30	119	30	119	77	305
0		2-15,16,17	7.6	"	4	16	18	71	6	24	10	40
—		2-18,19	7.6	"	3	12	18	71	7	28	10	40
35		2-20,21	7.2	"	5	20	27	107	17	67	30	119
—		2-22,23,24	7.7	592,000	2	10	22	109	20	99	18	89
—		2-25,26	7.5	" 4.94	13	64	31	153	34	168	90	445
—		2-27,28,29	7.4	"	3	15	18	89	20	99	12	59
—		3-1,2	7.4	"	5	25	17	84	32	158	24	118
9		3-3,4	7.5	"	10	49	22	109	24	118	30	148
4		3-5,6	7.4	"	16	79	42	207	24	118	180	889
4		3-7,8,9	7.1	"	28	138	36	178	40	198	270	1334
:		3-10,11-80	7.7	"	<1	<5	20	99	14	69	6	30
-		3-12,13	7.7	"	6	30	28	138	20	99	36	178
6		3-14,15,16	7.8	"	3	15	18	89	10	49	12	59
—		3-17,18	7.5	"	3	15	28	138	8	40	9	44
-		3-19,20	7.5	"	2	10	24	118	10	49	9	44
—		3-21,22,23	7.6	"	1	5	20	99	10	49	9	44
6		3-24,25-80	7.7	349,267 7.91	2	6	28	81	18	126	18	126

CERRO - EAST

DATES COLLECTED	DATES REPRESENTED	pH	Flow	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATES COLLECTED
	3-26,27-80	2.8	182,233	4	6	80	122	50	76	70	106	
	3-28,29,30	3.2	" 152	5	8	120	182	40	61	86	131	
	3-31, 4-1	3.3	"	1	1	100	152	34	52	40	61	
	4-2,3	3.0	"	1	1	85	129	34	52	188	285	
	4-4,5,6	3.0	"	1	1	85	129	34	52	20	30	
	4-7,8	—	"	NO SAMPLE								
	4-14,15-80	2.6	"	<1	1	190	289	90	137	100	152	
	4-16,17	2.6	"	<1	1	380	578	120	182	140	213	
	4-18,19,20	2.6	"	<1	1	50	76	20	30	20	30	
	4-21,22	2.7	"	2	3	100	152	40	61	100	152	
	4-23,24	2.8	172,178	3	4	100	143	60	85	150	213	
	4-25,26,27	2.8	" 143	<1	1	75	107	40	57	60	85	
	4-28,29	2.8	"	4	6	140	198	70	99	200	286	
	4-30, 5-1	2.7	"	4	6	40	57	140	198	356	506	
	5-2,3,4-80	2.8	"	<1	1	90	128	70	99	130	185	
	5-5,6	2.7	"	6	8	240	340	160	227	400	568	
	5-7,8	2.8	"	4	6	200	286	100	143	200	286	
	5-9,10,11	—	"	NO SAMPLE								
	5-12,13	—	"	NO SAMPLE								
	5-14,15	—	"	NO SAMPLE								
	5-16,17,18		"	NO SAMPLE								
	5-21-22	2.5	193,514	4.0	6	168.4	269	90.0	149	219.0	363	
	5-23,24,25	2.1	" 161	4.8	8	183.0	293	65.0	96	795.0	1272	
	5-26,27	1.9	"	3.8	6	257.4	412	70.0	166	971.0	1554	
	5-31, 6-1,2	2.6	"	2.0	3	55.0	88	45.0	72	219.0	350	
	6-2,3	2.2	"	19.6	31	137.2	220	85.0	136	751.0	1202	
	6-4,5	2.0	"	5.0	8	172.0	275	70.0	112	678.0	1085	
	6-6,7	2.0	"	5.0	8	181.0	290	64.0	102	708.0	1133	
	6-9,10	2.7	"	2.0	3	68.0	109	40.0	64	200.0	320	
	6-11,12	2.9	"	2.0	3	93.0	149	50.0	80	74.0	118	
	6-13,14,15	3.1	"	1.4	2	23.0	37	6.0	10	56.0	90	
	6-18,19/80	2.6	"	2	3	43	69	52	83	182	291	
	6-20,21,22/80	2.6	"	2	3	23	37	18	29	40	64	
	6-23,24	2.7	"	1.6	3	41	66	16	26	94	150	
	6-25,26	2.6	308,571	1.6	4	54	139	14	36	134	344	
	6-27,28,29	2.5	308,571 257	1.4	4	30	77	18	46	60	154	
	6-30, 7-1	3.1	"	2.2	6	39	100	40	103	84	216	
	7-2,3	3.0	"	2.8	7	29	75	20	51	76	195	
	7-4,5,6	3.0	"	2.2	6	26	67	18	46	46	118	
	7-7,8	2.7	"	3.8	10	116	296	32	82	200	514	
	7-9,10	2.7	"	3.2	8	91	234	30	77	140	360	
	7-11,12,13	—	"	NO SAMPLE								

CERRO - WEST

DATES COLLECTED	DATES REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	3-26,27-80	7.8	349,267	2	6	20	58	18	52	12	35
	3-28,29,30	7.7	" 2.41	3	9	20	58	14	41	16	47
	3-31, 4-1	7.7	"	3	9	20	58	16	47	16	47
	4-2,3	7.7	"	2	6	20	58	20	58	30	87
	4-4,5,6	7.6	"	3	9	15	44	26	76	48	140
	4-7,8	7.6	"	7	20	20	58	32	93	34	99
	4/12,13-80	7.7	"	<1	3	16	47	2	6	3	9
	4-14,15	7.3	"	2	6	12	35	4	12	6	17
	4-16,17	7.1	"	<1	3	3	9	2	6	4	12
	4-18,19,20	—	"	—	—	NO SAMPLE					
	4-21,22	7.0	"	4	12	18	52	20	58	20	58
	4-23,24	6.7	265,678	6	13	18	40	40	89	40	89
	4-25,26,27	7.1	" 2.22	8	18	22	49	14	31	26	58
	4-28,29	6.9	"	4	9	20	44	30	67	36	80
	4-30,5-1	6.9	"	4	9	16	36	50	111	60	133
	5-2,3,4	7.5	"	4	9	16	36	152	337	20	44
	5-5,6	7.3	"	9	20	30	67	14	31	24	53
	5-7,8	7.1	"	5	11	12	27	50	111	20	44
	5-9,10,11	7.4	"	2	4	10	22	20	44	12	27
	5-12,13	7.2	"	5	11	14	31	40	89	19	42
	5-14,15	7.2	"	4	9	18	40	35	78	16	36
	5-16,17,18	7.1	"	6.4	14	10.4	22	15	33	24.4	53
	5-21,22	—	177,600 1.48	—	—	NO SAMPLE			—	—	—
	5-23,24,25	—	"	—	—	NO SAMPLE			—	—	—
	5-26,27	6.5	"	11.0	16	31.0	46	50.0	74	69.0	102
	5-31, 6-1,2	7.3	"	1.0	1	6.4	9	5.4	8	2.8	4
	6-2,3	7.0	"	78.0	115	25.0	37	49.0	73	272.0	403
	6-4,5	6.1	"	13.6	20	1.0	1	36.0	53	100.0	148
	6-6,7	6.5	"	4.8	7	1.4	2	15.0	22	35.0	52
	6-9,10	—	"	—	—	NO SAMPLE			—	—	—
	6-11,12	6.8	"	2.4	4	7.0	10	4.0	6	10.0	15
	6-13,14,15	6.6	"	5.0	7	8.0	12	18.0	27	31.0	46
	6-18,19/80	—	"	—	—	NO SAMPLE			—	—	—
	6-20,21,22-80	7.0	"	2	3	4	6	52		12	18
	6-23,24	7.5	"	2.4	4	8	12	6	9	13	19
	6-25,26	7.3	129,000	2.8	3	9	9	7	7	17	18
	6-27,28,29	7.2	129,000	2.8	3	4	4	14	15	21	22
	6-30,7-1	—	"	—	—	NO SAMPLE			—	—	
	7-2,3	—	"	—	—	NO SAMPLE			—	—	
	7-4,5,6	6.9	"	8.6	9	8	8	18	19	20	21
	7-7,8	7.1	"	0.8	1	1	1	1	1	2	2
	7-9,10	7.0	"	2.8	3	3	3	4	4	14	15
	7-11,12,13	7.0	"	1.0	1	2	2	3	3	2	2

CERRO - EAST

DATES COLLECTED	DATES REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECT
	7-14,15	—	308,571	←		No	Sample				→	
	7-16,17	—	"	←		No	Sample				→	
	7-18,19,20	2.6	"	1	3	67	172	74	190	226	581	
	7-21,22	2.5	"	1	3	44	113	15	39	150	386	
	7-23,24	2.5	229,143	1	2	37	74	8	16	185	370	
	7-25,26,27	2.6	" 1.49	1	2	15	30	4	8	78	156	
	7-28,29	2.5	"	1	2	23	46	5	10	165	330	
	7-30,31	2.6	"	1	2	19	38	4	8	157	314	
	8-1,2,3	3.4	"	1	2	7	14	2	4	81	162	
	8-4,5	3.2	"	1	2	9	18	3	6	47	94	
	8-6,7	2.8	"	1	2	37	74	9	18	167	334	
	8-8,9,10	3.5	"	1	2	5	10	2	4	40	80	
	8-11,12	2.7	"	1	2	14	28	4	8	67	134	
	8-13,14	2.8	"	1	2	23	46	5	10	255	510	
	8-15,16,17	3.2	"	1	2	9	18	2	4	64	128	
	8-18,19	2.8	"	2	4	48	96	11	22	231	462	
	8-20,21	2.4	300,314	2	5	62	155	14	35	420	1050	
	8-22,23,24	2.8	" 2.50	1	3	25	63	3	8	68	170	
	8-25,26	3.5	"	1	3	8	20	2	5	19	48	
	8-27,28	5.6	"	6	15	4	10	3	8	75	188	
	8-29-30-31	6.3	"	1	3	1	3	1	3	2	5	
	9-1,2	6.1	"	1	3	4	10	3	8	14	35	
	9-3,4	6.2	"	1	3	2	5	2	5	7	18	
	9-5,6,7	6.4	"	1	3	1	3	1	3	14	35	
	9-8,9	3.5	"	1	3	7	18	3	8	34	85	
	9-10,11	—	"	←		No Sample					→	
	9-12,13,14	7.1	"	1	3	1	3	1	3	1	3	
	9-15,16	3.8	"	2	6	25	63	24	60	27	68	
	9-17,18	3.8	"	1	3	19	48	24	60	22	55	
	9-19,20,21	—	"	←		No Sample					→	
	9-22,23	5.5	"	1	3	15	38	16	40	9	23	
	9-24-25	5.9	409536	260	887	90	307	280	955	960	3274	
	9-26,27,28	—	" 3.41	←		No Sample					→	
	9-29,30	—	"	←		No Sample					→	
	10-1,2	5.3	"	128	436	61	208	186	634	446	1521	
	10-3,4,5	—	"	←		No Sample					→	
	10-6,7	3.5	"	4	14	30	102	40	136	8	27	
	10-8,9	5.1	"	1	3	22	75	13	44	4	14	
	10-10,11,12	5.3	"	1	3	18	61	7	24	4	14	
	10-13,14	—	"	←		No Sample					→	
	10-15,16	—	"	←		No Sample					→	
	10-17,18,19	—	"	←		No Sample					→	
	10-20,21	2.8	"	12	41	56	191	132	450	114	389	

CERRO - WEST

ER ppd	DATES COLLECTED	DATES REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
		7-14,15	—	129,000	←		No Sample					→
→		7-16,17	—	"	←		No Sample					→
581		7-18,19,20	7.5	"	1	1	1	1	1	1	3	3
386		7-21,22	2.8	"	25	25	3	3	14	14	90	96
370		7-23,24	2.4	191,286	3	5	55	88	30	48	392	627
156		7-25,26,27	2.6	" 1.60	11	18	79	126	46	74	300	480
330		7-28,29	2.6	"	7	11	87	139	52	72	334	534
314		7-30,31	—	"	←		No Sample					→
162		8-1,2,3	2.7	"	3	5	28	45	36	58	24	38
94		8-4,5	—	"	←		No Sample					→
334		8-6,7	2.8	"	4	6	47	75	30	48	17	27
80		8-8,9,10	3.3	"	5	8	21	34	30	48	15	24
134		8-11,12	3.2	"	2	3	19	30	9	14	8	13
510		8-13,14	2.8	"	4	6	26	42	20	32	39	62
128		8-15,16,17	2.8	"	2	3	25	40	7	11	30	48
462		8-18,19	—	"	←		No Sample					→
1050		8-20,21	2.7	303,257	1	3	26	66	5	13	23	58
170		8-22,23,24	2.7	" 2.53	1	3	26	66	6	15	12	30
48		8-25,26	3.3	"	2	5	25	63	80	202	17	43
188		8-27,28	3.6	"	1	3	19	48	5	13	11	28
5		8-29,30,31	3.5	"	2	5	16	40	10	25	10	25
35		9-1,2	6.7	"	2	5	6	15	8	20	8	20
18		9,3,4	6.6	"	4	10	24	61	10	25	15	38
35		9-5,6,7	6.5	"	10	25	20	50	32	82	28	71
85		9-8,9	3.5	"	59	149	36	91	52	131	51	129
→		9-10,11	—	"	←		No Sample					→
3		9-12,13,14	6.2	"	7	18	16	40	18	46	25	63
68		9-15,16	6.6	"	1	3	31	78	3	8	7	18
55		9-17,18	6.8	"	1	3	14	35	2	5	5	13
→		9-19,20,21	7.0	"	1	3	1	3	1	3	1	3
23		9-22,23	—	"	←		No Sample					→
3274		9-24,25	—	492,178	←		No Sample					→
→		9-26,27,28	6.7	" 4.10	5	21	17	70	14	57	15	62
→		9-29,30	4.1	"	22	90	33	135	40	160	52	213
1521		10-1,2	6.0	"	4	16	8	33	5	21	8	33
→		10-3,4,5	6.1	"	2	8	1	4	2	8	8	33
27		10-6,7	6.1	"	6	25	20	80	32	131	9	37
14		10-8,9	6.0	"	6	25	22	90	34	139	15	62
14		10-10,11,12	6.0	"	7	29	25	103	19	78	11	45
→		10-13,14	6.0	"	9	37	27	111	26	107	14	57
→		10-15,16	3.1	"	2	8	9	37	11	45	11	45
→		10-17,18,19	5.4	"	1	4	3	12	11	45	9	37
389		10-20,21	5.3	"	124	508	36	148	176	722	1070	4387

CERRO - EAST

DATES COLLECTED	DATES REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECT
	10-22,23	2.8	342,035	4	11	64	154	122	348	96	274	
	10-24,25,26	3.3	" 2.15	4	11	33	94	146	416	88	251	
	10-27,28	3.1	"	4	11	52	148	138	393	142	405	"
	10-29,30	3.0	"	4	11	56	445	140	399	146	416	
	10-31, 11-1,2	3.1	"	2	6	39	111	21	60	18	51	
	11-3,4	3.4	"	4	11	26	74	60	171	49	140	
	11-5,6	3.4	"	3	9	30	86	36	103	50	143	
	11-7,8,9	3.6	"	3	9	22	63	28	80	38	108	
	11-10,11	4.1	"	2	6	18	51	20	57	21	60	
	11-12,13	—	"	←		NO SAMPLE					→	
	11-14,15,16	3.9	"	3	9	22	63	28	80	29	83	
	11-17,18	3.4	"	3	9	38	108	48	137	64	182	
	11-19,20	3.6	508,114	6	25	30	127	48	203	39	165	
	11-21,22,23	4.8	" 4.23	38	161	25	106	67	283	73	309	
	11-24,25	5.6	"	3	13	17	72	16	68	10	42	
	11-26,27	—	"	←		NO SAMPLE					→	
	11-28,29,30	5.4	"	1	4	13	55	15	63	6	26	
	12-1,2	4.3	"	10	42	29	123	34	150	37	157	
	12-3,4	2.3	"	6	25	37	157	38	161	58	245	
	12-5,6,7	4.0	"	4	17	25	106	26	110	28	118	
	12-8,9	4.2	"	4	17	24	102	36	152	39	165	
	12-10,11	3.3	"	4	17	37	157	32	148	102	431	
	12-12,13,14	6.1	"	6	25	20	84	30	127	45	190	
	12-15,16	3.9	"	5	21	29	123	40	169	37	157	
	12-17,18	—	"	←		NO SAMPLE					→	
1900 1980	12-19,20,21	5.6	"	2	8	21	88	11	47	8	34	1900
BOGN 1981	12-23,24	6.3	505,964	2	8	20	84	19	80	2	8	BOGN
	12-25,26	7.2	" 4.22	2	8	13	55	4	17	4	17	
	12-27,28	4.7	"	4	17	19	80	8	34	24	102	
	12-29,30	3.5	"	3	13	31	131	23	97	56	236	
	12-31,1-1	6.0	"	2	8	16	68	15	63	7	30	
	1-2,3,4-81	2.9	"	3	13	25	106	15	63	12	51	
	1-5,6	2.6	"	3	13	43	181	33	139	99	418	
	1-7,8	2.9	"	6	25	36	152	36	152	168	709	
	1-9,10,11	—	"	←		NO SAMPLE					→	
	1-12,13	2.6	"	2	8	25	106	5	21	19	80	
	1-14,15	2.7	"	2	8	30	127	14	59	23	97	
	1-16,17,18	5.6	"	2	8	25	106	17	72	20	84	
	1-19,20	3.6	"	4	17	29	122	41	173	14	59	
	1-21,22	3.5	651,867	6	33	32	174	39	212	42	228	
	1-23,24,25	6.3	" 5.44	1	5	22	120	24	131	2	11	
	1-26,27	—	"	←		No Sample					→	
	1-28,29	4.0	"	2	11	26	141	17	92	7	38	

CERRO - WEST

ed	DATES COLLECTED	DATES REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
74		10-22,23	—	416,500	←		NO SAMPLE					→
51		10-24,25,26	5.5	" 3.47	3	10	9	31	18	62	23	80
105		10-27,28	5.4	"	10	35	22	76	21	73	89	309
16		10-29,30	3.7	"	7	24	28	97	21	73	57	198
51		10-31, 11-1,2	4.0	"	7	24	15	52	20	70	43	149
40		11-3,4	3.7	"	3	10	28	97	28	97	23	80
143		11-5,6	3.7	"	2	7	19	66	17	59	22	76
08		11-7,8,9	6.0	"	1	3	2	7	2	7	5	17
60		11-10,11	6.1	"	1	3	1	3	1	3	5	17
→		11-12,13	—	"	←		NO SAMPLE					→
83		11-14,15,16	—	"	←		NO SAMPLE					→
82		11-17,18	—	"	←		NO SAMPLE					→
65		11-19,20	—	288,343	←		NO SAMPLE					→
109		11-21,22,23	6.0	" 2.35	1	2	1	2	1	2	1	2
12		11-24,25	6.2	"	1	2	1	2	1	2	1	2
→		11-26,27	—	"	←		NO SAMPLE					→
5		11-28,29,30	6.3	"	1	2	1	2	1	2	1	2
57		12-1,2	6.6	"	2	5	608	1428	66	155	23	54
45		12-3,4	6.5	"	3	7	22	52	10	24	46	108
8		12-5,6,7	6.6	"	4	9	5	12	8	19	44	103
5		12-8,9	6.6	"	9	21	4	9	24	56	74	174
31		12-10,11	6.9	"	7	16	8	19	7	16	42	99
0		12-12,13,14	7.2	"	2	5	2	5	2	5	1	2
7		12-15,16	7.4	"	2	5	2	5	2	5	4	9
→		12-17,18	—	"	←		NO SAMPLE					→
4	SEP 1980	12-19,20,21	7.5	"	1	2	1	2	1	2	1	2
	BEGIN 1981	12-23,24	8.0	330,392	3	8	3	8	2	6	9	25
7		12-25-26	7.9	" 2.76	2	5	1	3	1	3	2	5
22		12-27,28	—	"	←		NO SAMPLE					→
36		12-29,30	7.6	"	1	3	2	6	1	3	4	11
0		12-31, 1-1	7.6	"	1	3	2	6	1	3	3	8
51		1-2,3,4-81	7.0	"	1	3	1	3	1	3	2	6
18		1-5,6	7.4	"	2	6	1	3	1	3	21	58
09		1-7,8	—	"	←		NO SAMPLE					→
→		1-9,10,11	—	"	←		NO SAMPLE					→
0		1-12,13	—	"	←		NO SAMPLE					→
7		1-14,15	7.0	"	2	6	1	3	2	6	15	41
4		1-16,17,18	7.8	"	2	6	1	3	1	3	19	52
9		1-19,20	6.8	"	3	8	6	17	3	8	41	113
8		1-21,22	—	403,750	←		NO SAMPLE					→
1		1-23,24,25	—	" 3.37	←		NO SAMPLE					→
→		1-26,27	6.7	"	3	10	3	10	2	7	13	44
8		1-28,29	7.3	"	3	10	3	10	2	7	61	208

CERRO - EAST

Date Collected	Dates Represented	pH	Flow	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD	Date Collected
	1-30,31,2-1	—	651,857			No Sample						
	2-2,3	4.4	" 5.44	1	5	20	109	7	38	3	16	
	2-4,5	—	"	←		No Sample					→	
	2-6,7,8	—	"	←		No Sample					→	
	2-9,10	—	"	←		No Sample					→	
	2-11,12	—	"	←		No Sample					→	
	2-13,14,15	—	"	←		No Sample					→	
	2-16,17	2.9	"	2	11	39	212	24	131	53	288	
	2-18,19	3.1	535,258	2	9	37	165	24	107	68	303	
	2-20,21,22	—	" 4.46	←		No Sample					→	
	2-23,24	3.1	"	2	9	34	152	40	178	24	107	
	2-25,26	—	"	←		No Sample					→	
	2-27,28,1	3.0	"	3	13	24	107	12	54	9	40	
	3-2,3	3.6	"	2	9	23	103	24	107	16	71	
	3-4,5	—	"	←		No Sample					→	
	3-6,7,8	3.1	"	4.8	22	22	98	19	85	16	71	
	3-9,10	3.3	"	3	13	32	143	32	143	25	112	
	3-11,12	3.5	"	3	13	24	107	19	85	6	27	
	3-13,14,15	4.2	"	3	13	23	103	37	165	34	152	
	3-16,17	3.3	"	3	13	38	169	35	156	43	192	
	3-18,19	3.6	"	5	22	36	161	32	143	52	232	
	3-20,21,22	4.6	"	3	13	23	103	21	94	25	112	
	3-23,24	—	"	←		No Sample					→	
	3-25-81	To 5-19-81		No Samples		Received in LAB Due to Strike At TAN						
	5-19-81	6.8		1	4	28	112	14	56	3	12	
	5-20,21	3.6		4	16	51	204	78	242	20	80	
	5-22,23,24,25	3.6		5	20	32	128	30	120	52	208	
	5-26	4.1	481,464	2	8	29	116	26	104	25	100	
	5-28	5.6	" 4.0	6	24	20	80	18	72	27	108	
	5-29,30,31	4.8	"	2	8	13	52	28	112	22	88	
	6-2	3.8	"	10	40	30	120	50	200	81	324	
	6-3	4.2	"	6	24	20	80	14	56	19	76	
	6-4	4.2	"	5	20	20	80	13	52	13	52	
	6-5,6	—	"	←		No Sample					→	
	6-7	4.2	"	6	24	13	56	16	64	17	71	
	6-8	4.5	"	8	32	24	96	52	208	56	224	
	6-9	3.6	"	7	28	28	112	36	124	40	160	
	6-10	3.6	"	7	28	35	120	42	168	42	168	
	6-11	3.9	"	4	16	39	156	34	116	41	164	
	6-14	4.2	"	1	4	16	64	3	12	5	20	
	6-15	4.3	"	1	4	16	64	14	56	7	28	
	6-16	—	"	←		No Sample					→	
	6-17	—	"	←		No Sample					→	

CERRO - WEST

PPD	DATE COLLECTED	DATES REPRESENTED	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
—		1-30,31, 2-1	7.3	403,750	2	7	2	7	2	7	39	131
6		2-2,3	7.3	" 3.37	4	13	2	7	4	13	71	239
→		2-4,5	6.6	"	2	7	5	17	3	10	24	81
→		2-6,7,8	6.3	"	1	3	1	3	1	3	8	27
→		2-9,10	6.7	"	1	3	4	13	2	7	25	84
→		2-11,12	6.7	"	1	3	4	13	2	7	25	84
→		2-13,14,15	—	"	←		No Samples					→
88		2-16,17	—	"	←		No Samples					→
03		2-18,19	6.8	282,914	1	2	4	9	1	2	6	14
→		2-20,21,22	7.0	" 2.36	1	2	4	9	1	2	13	31
7		2-23,24	7.2	"	1	2	3	7	1	2	7	17
→		2-25,26	—	"	←		No Samples					→
10		2-27,28,31	6.5	"	1	2	1	2	1	2	2	5
71		3-2,3	6.6	"	1	2	1	2	1	2	2	5
→		3-4,5	—	"	←		No Samples					→
1		3-6,7,8	6.6	"	1	2	1	2	1	2	5	12
12		3-9,10	6.5	"	1	2	3	7	2	5	12	28
7		3-11,12	—	"	←		No Samples					→
62		3-13,14,15	—	"	←		No Samples					→
92		3-16,17	—	"	←		No Samples					→
32		3-18,19	6.8	"	1	2	11	26	1	2	2	5
12		3-20,21,22	6.9	"	1	2	2	5	1	2	2	5
→		3-23,24	—	"	←		No Samples					→
At the Sancot Village Treatment Plant												
2		5-19-81	7.3		1		12		3		5	
0		5-20,21	—		←		No Samples					→
8		5-22,23,24,25	—		←		No Samples					→
0		5-26	—	468,179	←		No Samples					→
08		5-28	—	" 3.9	←		No Samples					→
8		5-29,30,31	7.4	"	1	4	1	4	1	4	3	12
4		6-2	4.7	"	2	8	25	98	11	43	18	70
16		6-3	6.5	"	2	8	12	47	4	16	62	47
52		6-4	6.6	"	1	4	8	31	3	12	8	31
→		6,5,6	—	"	←		No Samples					→
1		6-7	6.7	"	2	8	1	4	1	4	10	39
4		6-8	6.7	"	1	4	15	59	6	23	7	27
.0		6-9	—	"	←		No Samples					→
.8		6-10	6.7	"	2	8	14	55	7	27	13	51
64		6-11	—	"	←		No Samples					→
0		6-14	7.3	"	1	4	1	4	1	4	1	4
8		6-15	7.3	"	2	4	1	4	2	8	5	20
→		6-16	—	"	No Samples							
→		6-17	7.8	"	2	4	14	62	9	35	12	47

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECTED
	6-18-81	3.0	481,464	3	12	40	160	38	152	55	220	
	6-19,20,21,22,23	—	"	No Sample								
	6-24	3.5	340,571	12	34	76		108	307	94	267	
	6-25	4.0	"	7	20	41		32	91	42	119	
	6-26	3.1	"	8	23	37		34	96	67	190	
	6-27	4.4	"	3	9	37		14	40	6	17	
	6-28	—	"	No Sample								
	6-29	—	"	No Sample								
	6-30	—	"	No Sample								
	7-1	—	"	No Sample								
	7-2,3,4,5,6	—	"	No Sample								
	7-7	—	"	No Sample								
	7-8	—	"	No Sample								
	7-9	—	"	No Sample								
	7-10,11,12,	—	"	No Sample								
	7-13	—	"	No Sample								
	7-14,15,16,17,18	—	"	No Sample								
	7-19	4.4	"	1	3	10	28	6	17	5	14	
	7-20	3.9	"	3	9	19	54	19	54	18	51	
	7-21	4.4	"	1	3	13	37	8	23	10	28	
	7-22	—	360,086	No Sample								
	7-23	4.8	"	1	3	8	24	7	21	8	24	
	7-24	—	"	No Sample								
	7-25	4.8	"	1	3	13	39	6	18	6	18	
	7-26	5.0	"	1	3	9	27	4	12	4	12	
	7-27	4.1	"	1	3	13	39	52	156	8	24	
	7-28	3.5	"	2	6	60	180	44	132	25	75	
	7-29	3.4	"	3	9	61	183	66	198	44	132	
	7-30	3.5	"	3	9	54	162	64	192	33	99	
	7-31, 8-1	—	"	No Sample								
	8-2	4.2	"	1	3	9	27	21	63	15	45	
	8-3	4.2	"	2	6	29	87	40	120	32	96	
	8-4	3.2	"	4	12	39	117	36	108	33	99	
	8-5	3.2	"	4	12	24	72	20	60	14	42	
	8-6	3.2	"	3	9	33	99	19	57	11	33	
	8-7,8	—	"	No Sample								
	8-9	6.6	"	14	42	5	15	6	12	26	78	
	8-10	—	"	No Sample								
	8-11	4.6	"	3.6	12	38	114	21	63	9	27	
	8-12	3.0	"	7	21	62	186	88	264	137	411	
	8-13	3.2	"	6	18	41	123	34	102	85	255	
	8-14,15	—	"	No Sample								
	8-16	4.8	"	2	6	9	27	17	51	11	33	

CORRO - WOST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	6-18-81	7.2	468,174	1	4	16	62	7	27	5	20
	6-19,20,21,22,23	—	" 7.9	←			No Sample			→	
	6-24	7.2	335,357	2	6	15	42	7	20	9	25
	6-25	7.2	" 7.0	1	3	19	53	10	28	4	11
	6-26	7.8	"	1	3	1	3	1	3	2	6
	6-27	—	"	←			No Sample			→	
	6-28	7.7	"	1	3	1	3	1	3	6	17
	6-29	7.1	"	3	9	33	92	24	67	31	87
	6-30	6.2	"	1	3	20	56	6	17	3	9
	7-1	6.7	"	2	6	4	11	5	14	41	115
	7-6	6.9	"	2	6	28	78	11	31	11	31
	7-7	7.5	"	3	3	33	92	10	28	12	34
	7-8	—	"	←			No Sample			→	
	7-9	7.1	"	1	3	1		1	3	14	39
	7-10,11,12	—	"	←			No Sample			→	
	7-13	7.5	"	1	3	1	3	1	3	3	9
	7-14,15,16,17,18	—	"	←			No Sample			→	
	7-19	—	"	←			No Sample			→	
	7-20	—	"	←			No Sample			→	
	7-21	—	"	←			No Sample			→	
	7-22	—	221,257	←			No Sample			→	
	7-23	—	" 185	←			No Sample			→	
	7-24	—	"	←			No Sample			→	
	7-25	7.6	"	1	2	1	2	1	2	2	4
	7-26	7.9	"	1	2	1	2	1	2	2	4
	7-27	7.1	"	1	2	1	2	1	2	3	5
	7-28	—	"	←			No Sample			→	
	7-29	7.3	"	1	2	1	2	1	2	4	7
	7-30	7.3	"	1	2	1	2	1	2	4	7
	7-31, 8-1	—	"	←			No Sample			→	
	8-2	7.1	"	1	2	1	2	1	2	14	26
	8-3	7.0	"	1	2	8	15	3	5	10	19
	8-4	7.1	"	2	4	10	19	4	7	5	9
	8-5	7.0	"	5	9	14	26	11	20	11	20
	8-6	7.5	"	1	2	30	56	1	2	10	19
	8-7,8	—	"	←			No Sample			→	
	8-9	7.7	"	3	5	1	2	1	2	5	9
	8-10	7.5	"	1	2	1	2	1	2	14	26
	8-11	7.2	"	3	5	1	2	3	5	16	30
	8-12	7.0	"	7	13	1	2	6	11	58	107
	8-13	5.9	"	33	61	1	2	17	31	194	359
	8-14,15	—	"	←			No Sample			→	
	8-16	7.4	"	7	13	1	2	6	11	38	70

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD PPM	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	8-11	5.6	360,086	[illegible]	9	15	45	28	84	14	42
	8-18	6.7	" 3.0	4	12	16	48	26	78	16	48
	8-19	4.6	"	8	24	24	72	50	150	49	147
	8-20	4.5	"	5	15	33	99	42	126	27	81
	8-21,22	—	"	No Samples							
	8-23	4.3	"	12	36	38	144	48	144	44	132
	8-24	5.2	"	7	21	22	66	44	132	38	144
	8-25	4.6	"	1	3	39	147	32	96	6	18
	8-26	—	393,536	No Samples							
	8-27	4.2	" 3.3	7	23	53	175	110	363	41	135
	8-28	4.0	"	7	23	43	142	64	211	22	73
	8-29	—	"	No Samples							
	8-30	6.3	"	5	8	10	33	18	59	15	50
	8-31	6.0	"	9	30	19	63	34	112	34	112
	9-1	4.7	"	7	23	18	59	38	125	29	96
	9-2	4.1	"	8	26	36	119	42	139	46	152
	9-3	5.4	"	9	30	24	79	42	139	34	112
	9-4	7.2	"	1	3	7	23	3	10	6	20
	9-5,6	—	"	No Samples							
	9-7	5.9	"	24	79	12	40	82	271	63	208
	9-8	4.2	"	16	53	31	102	56	185	43	142
	9-9	4.3	"	10	33	30	99	56	185	45	149
	9-10	4.6	"	7	23	37	122	55	182	44	145
	9-11,12	—	"	No Samples							
	9-13	7.0	"	6	20	11	36	28	92	22	73
	9-14	5.1	"	7	23	26	86	43	142	35	116
	9-15	5.7	"	4	13	29	96	18	59	14	46
	9-16	—	"	No Samples							
	9-17	—	"	No Samples							
	9-18	—	"	No Samples							
	9-19	—	"	No Samples							
	9-20	—	"	No Samples							
	9-21	—	"	No Samples							
	9-22	—	"	No Samples							
	9-23	3.5	428,107 3.6	1	4	26	94	14	50	11	40
	9-24	3.6	"	1	4	22	79	17	61	6	22
	9-25	—	"	No Samples							
	9-26	—	"	No Samples							
	9-27	6.7	"	7	25	9	32	10	36	15	54
	9-28	4.6	"	6	22	33	119	6	22	12	43
	9-29	6.5	"	3	11	28	101	14	50	11	40
	9-30	4.0	"	19	68	35	126	50	180	70	252
	10-1	4.9	"	4	14	38	497	40	144	18	65

CERRO - WEST

SO ppd	DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
42		8-17	6.5	221,257	17	31	7	13	13		144	266
48		8-18	7.0	" 1.85	5	9	16	30	10	19	92	170
147		8-19	7.7	"	2	4	40	74	1	2	15	28
81		8-20	7.6	"	3	5	28	52	4	7	15	28
→		8-21,22	—	"	←		No Sample					→
132		8-23	7.2	"	4	7	1	2	4	7	32	59
144		8-24	7.5	"	4	7	7	13	5	9	26	48
18		8-25	7.4	"	8	15	3	5	9	17	60	111
→		8-26	—	167,643	←		No Sample					→
185		8-27	7.0	" 1.4	3	4	4	7	7	10	33	46
73		8-28	7.0	"	3	4	11	15	10	14	18	25
→		8-29	—	"	←		No Sample					→
50		8-30	7.5	"	2	3	1	1	3	4	15	21
112		8-31	7.4	"	3	4	5	7	5	7	35	49
96		9-1	7.2	"	4	6	15	21	13	18	41	57
152		9-2	7.6	"	3	4	3	4	4	6	38	53
112		9-3	7.6	"	3	4	10	14	8	11	26	36
20		9-4	—	"	←		No Sample					→
—		9-5,6	—	"	←		No Sample					→
208		9-7	7.6	"	1	1	1	1	1	1	8	11
142		9-8	7.7	"	2	3	5	7	3	4	8	11
199		9-9	7.6	"	1	1	7	10	1	1	6	8
145		9-10	7.5	"	2	3	13	18	13	18	26	36
→		9-11,12	—	"	←		No Sample					→
73		9-13	7.6	"	1	1	1	1	2	3	12	17
116		9-14	7.8	"	2	3	6	8	9	13	23	32
46		9-15	7.8	"	3	4	3	4	7	10	41	57
→		9-16	7.9	"	4	6	3	4	8	11	65	91
→		9-17	7.3	"	4	8	11	65	38	53	57	80
→		9-18	—	"	←		No Sample					→
→		9-19	—	"	←		No Sample					→
→		9-20	7.5	"	2	3	1	1	3	4	29	41
→		9-21	7.3	"	2	3	1	1	3	4	28	39
→		9-22	7.2	"	2	3	1	1	2	3	15	21
18		9-23	7.2	194,535	2	3	1	2	9	14	56	90
22		9-24	7.5	" 1.6	2	3	1	2	6	10	52	83
→		9-25	—	"	←		No Sample					→
→		9-26	—	"	←		No Sample					→
54		9-27	7.5	"	2	3	1	2	6	10	54	86
43		9-28	7.2	"	3	5	6	10	6	10	32	51
40		9-29	7.3	"	2	3	5	8	5	8	26	42
52		9-30	—	"	←		No Sample					→
65		10-1	7.2	"	2	3	9	14	8	13	19	30

CERRO-East

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	10-2,3	—	428,107	←		No Sample					
	10-4	4.1	"	15	54	15	54	86	310	100	360
	10-5	6.3	"	12	43	26	94	46	166	48	173
	10-6	4.1	"	7	25	31	112	35	126	32	115
	10-7	3.8	"	6	22	37	133	46	166	26	94
	10-8	4.1	"	9	32	36	130	42	151	30	108
	10-9	—	"	←		No Sample					
	10-10,11	—	"	←		No Sample					
	10-12	6.5	"	7	25	30	108	49	176	33	119
	10-13	5.6	"	1	4	23	83	26	94	11	40
	10-14	5.0	"	6	22	12	44	8	29	29	104
	10-15	5.8	"	3	11	18	65	36	130	20	72
	10-16,17	—	"	←		No Sample					→
	10-18	6.3	"	8	29	11	40	41	148	49	176
	10-19	5.0	"	5	18	35	126	31	112	21	76
	10-20	5.2	"	5	18	28	101	30	108	26	94
	10-21	6.8	469,607 39	4	16	25	98	19	74	14	55
	10-22	6.5	"	3	12	21	82	25	98	19	74
	10-23,24	—	"	←		No Sample					→
	10-25	6.5	"	7	27	13	51	20	78	33	129
	10-26	6.5	"	3	12	28	109	17	66	10	39
	10-27	6.8	"	4	16	23	90	29	113	19	74
	10-28	6.4	"	5	20	12	47	41	160	20	78
	10-29	4.7	"	4	16	29	113	48	187	37	144
	10-30	3.8	"	2	8	14	55	33	129	27	90
	10-31,11-1	—	"	←		No Sample					→
	11-2	4.1	"	6	23	22	86	20	78	18	70
	11-3	4.8	"	3	12	29	113	16	62	13	51
	11-4	3.8	"	2	8	38	148	19	74	9	35
	11-5	6.5	"	5	20	27	105	17	66	13	51
	11-6,7	—	"	←		No Sample					→
	11-8	4.1	"	9	35	19	74	41	160	38	148
	11-9	5.7	"	11	43	24	94	46	179	63	246
	11-10	4.7	"	14	55	26	101	66	257	75	293
	11-11	5.6	"	12	47	24	94	55	215	73	285
	11-12	4.9	"	32	125	33	129	55	215	83	324
	11-13	4.7	"	30	117	20	78	71	277	86	335
	11-14,15	—	"	←		No Sample					→
	11-16	5.1	"	7	27	34	133	54	211	24	94
	11-17	4.6	"	4	16	34	133	15	59	10	39
	11-18	7.3	567,314 47	3	14	27	127	12	56	8	38
	11-19	7.0	"	3	14	27	127	10	47	12	56
	11-20,21	—	"	←		No Samples					→

CERRO-WEST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	10-2,3	—	194,535	No Sample							
	10-4	6.9	"	3	5	2	3	4	6	11	18
	10-5	6.9	"	5	8	17	27	11	18	33	53
	10-6	—	"	No Sample							
	10-7	6.6	"	8	13	16	26	10	16	53	85
	10-8	6.9	"	2	3	7	11	6	10	27	43
	10-9	—	"	No Sample							
	10-10,11	—	"	No Sample							
	10-12	7.3	"	1	2	16	26	3	4	8	13
	10-13	7.3	"	1	2	6	10	4	6	10	16
	10-14	6.7	"	2	3	12	19	8	13	29	46
	10-15	7.0	"	2	3	3	5	4	6	28	45
	10-16,17	—	"	No Sample							
	10-18	7.5	"	2	3	1	2	3	5	39	62
	10-19	7.6	"	3	5	12	19	8	13	18	29
	10-20	7.5	"	3	5	8	13	5	8	15	24
	10-21	7.6	313,857	2	5	5	13	2	5	18	47
	10-22	—	" 26	No Sample							
	10-23,24	—	"	No Sample							
	10-25	7.0	"	1	3	1	3	1	3	3	8
	10-26	7.5	"	2	5	5	13	4	10	22	57
	10-27	7.3	"	3	8	3	8	5	13	35	91
	10-28	7.3	"	2	5	10	26	7	18	15	39
	10-29	7.6	"	5	13	5	13	9	23	39	101
	10-30	7.2	"	2	5	1	3	1	3	12	31
	10-31,11-1	—	"	No Sample							
	11-2	7.2	"	2	5	3	8	5	13	16	42
	11-3	7.0	"	2	5	12	31	6	16	15	39
	11-4	6.4	"	2	5	24	62	15	39	14	36
	11-5	7.1	"	1	3	8	21	6	16	8	21
	11-6,7	—	"	No Sample							
	11-8	7.4	"	3	8	1	3	1	3	9	23
	11-9	6.9	"	3	8	10	26	3	8	9	23
	11-10	7.3	"	4	10	3	8	3	8	13	34
	11-11	7.0	"	3	8	12	31	6	16	8	21
	11-12	7.5	"	3	8	6	16	3	8	8	21
	11-13	7.9	"	1	3	1	3	1	3	5	13
	11-14,15	—	"	No Sample							
	11-16	7.6	"	1	3	1	3	1	3	4	10
	11-17	7.1	"	8	21	7	18	14	36	58	151
	11-18	7.6	372,143	3	9	7	22	10	31	20	62
	11-19	8.0	" 31	2	6	4	12	7	22	20	62
	11-20,21	—	"	No Sample							

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE
	11-22-81	7.1	567,314	4	19	15	70	11	52	11	52	
	11-23	7.0	" 47	6	28	9	42	8	38	12	56	
	11-24	6.8	"	2	9	10	47	10	47	10	47	
	11-25	—	"	←		NO SAMPLE				→		
	11-26	5.1	"	13	61	15	70	8	38	22	103	
	11-27,28	—	"	←		NO SAMPLE				→		
	11-29	6.4	"	1	5	10	47	10	47	6	28	
	11-30	—	"	←		NO SAMPLE				→		
	12-1	5.6	"	1	5	21	99	19	89	11	52	
	12-2	5.2	"	1	5	18	85	25	118	30	141	
	12-3	4.2	"	2	9	61	287	55	259	18	85	
	12-4,5	—	"	←		NO SAMPLE				→		
	12-6	6.4	"	2	9	15	70	26	122	27	127	
	12-7	3.7	"	1	5	63	249	93	437	65	306	
	12-8	3.9	"	2	9	37	174	70	329	66	310	
	12-9	4.4	"	2	9	28	132	45	212	45	212	
	12-10	6.0	"	12	56	34	160	46	216	55	259	
	12-11,12	—	"	←		NO SAMPLE				→		
	12-13	6.5	"	5	24	12	56	61	287	17	80	
	12-14	4.5	"	44	207	52	244	160	752	138	649	
	12-15	3.8	"	2	9	36	169	51	240	9	42	
	12-16,17,18,19	—	"	←		NO SAMPLE				→		
	12-20	5.9	"	6	28	24	113	14	66	22	103	
	12-21	5.7	"	1	5	21	99	42	197	14	66	
LOD 1981	12-22	4.2	"	13	61	35	165	42	197	107	503	LOD
BOON 1982	12-23	3.6	714,035	3	18	42	250	36	214	48	286	BOON
	12-24	5.8	" 5.95	1	6	27	161	10	60	4	24	
	12-25,26	—	"	←		NO SAMPLE				→		
	12-27	7.6	"	2	12	17	101	9	54	6	36	
	12-28	6.9	"	9	54	23	137	45	268	46	274	
	12-29	5.3	"	8	48	32	190	42	250	61	263	
	12-30	3.8	"	2	12	30	180	32	190	12	71	
	12-31	5.0	"	1	6	25	149	19	113	5	30	
	1-1,2-82	—	"	←		NO SAMPLE				→		
	1-3	7.6	"	1	6	9	54	1	6	4	24	
	1-4	—	"	←		NO SAMPLE				→		
	1-5	4.3	"	2	12	22	131	17	101	12	71	
	1-6	4.2	"	7	35	31	184	64	381	19	113	
	1-7	4.1	"	4	24	26	155	37	220	13	77	
	1-8,9	—	"	←		NO SAMPLE				→		
	1-10	7.3	"	2	12	14	83	11	65	10	60	
	1-11	4.9	"	18	107	50	298	37	220	44	262	
	1-12	5.1	"	50	298	49	292	61	263	57	339	

CERRO - WEST

id	DATE	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
2		11-22-81	7.7	372,143	1	3	1	3	1	3	5	16
6		11-23	7.5	" 3.1	2	6	1	3	3	9	11	34
7		11-24	—	"	NO SAMPLE							
→		11-25	—	"	NO SAMPLE							
3		11-26	7.8	"	1	3	1	3	1	3	6	19
→		11-27,28	—	"	NO SAMPLE							
3		11-29	7.8	"	1	6	1	3	1	3	6	19
→		11-30	7.1	"	4	12	4	12	6	19	52	161
2		12-1	—	"	NO SAMPLE							
1		12-2	7.0	"	1	3	17	53	3	9	10	31
5		12-3	6.9	"	2	6	8	25	10	31	31	96
→		12-4,5	—	"	NO SAMPLE							
27		12-6	7.7	"	1	3	1	3	2	6	10	31
6		12-7	7.1	"	10	31	7	22	24	74	93	288
0		12-8	7.5	"	2	6	3	9	8	25	16	50
2		12-9	6.7	"	3	9	3	9	11	34	38	118
9		12-10	7.0	"	3	9	8	25	9	28	30	93
→		12-11,12	—	"	NO SAMPLE							
0		12-13	7.3	"	2	6	1	3	4	12	19	59
9		12-14	—	"	NO SAMPLE							
2		12-15	6.8	"	2	6	17	53	11	34	22	68
→		12-16,17,18,19	—	"	NO SAMPLE							
3		12-20	7.1	"	1	3	1	3	1	3	14	43
6		12-21	6.7	"	6	19	6	19	9	28	75	233
3	Nov 1981	12-22	7.0	"	1	3	7	22	4	12	12	37
6	Nov 1982	1223	6.8	441,500	1	4	8	29	4	12	6	22
1		12-24	7.5	" 3.68	1	4	1	4	2	6	4	12
→		12-25,26	—	"	NO SAMPLE							
6		12-27	7.8	"	1	4	1	4	1	4	1	4
14		12-28	7.4	"	1	4	1	4	1	4	1	4
3		12-29	7.0	"	1	4	1	4	1	4	3	11
		12-30	7.5	"	2	7	1	4	1	4	1	4
		12-31	7.7	"	1	4	1	4	1	4	1	4
→		1-1,2-82	—	"	NO SAMPLE							
4		1-3	8.0	"	1	4	1	4	1	4	4	15
→		1-4	—	"	NO SAMPLE							
21		1-5	7.5	"	1	4	11	40	1	4	2	7
3		1-6	7.3	"	1	4	17	63	8	29	4	15
7		1-7	7.8	"	1	4	1	4	1	4	6	22
→		1-8,9	—	"	NO SAMPLE							
0		1-10	7.8	"	2	7	1	4	2	7	14	52
62		1-11	7.5	"	1	4	6	22	2	7	5	18
9		1-12	7.8	"	1	4	1	4	1	4	1	4

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECTI
	1-13-82	5.1	714,035	97	577	13	77	69	411	126	1,047	
	1-14	5.0	" 5.95	18	107	34	202	42	250	68	405	
	1-15,16	—	"	←		NO SAMPLE				→		
	1-17	6.0	"	28	167	21	125	24	143	86	512	
	1-18	5.1	"	31	184	34	202	37	220	97	577	
	1-19	5.3	"	4	24	23	137	19	113	15	89	
	1-20	5.1	576,888	88	423	50	240	68	327	214	1,029	
	1-21	5.8	"	3	14	17	82	16	77	9	43	
	1-22,23	—	"	←		No Sample				→		
	1-24	7.5	"	2	10	16	77	3	14	4	19	
	1-25	6.9	"	1	5	11	53	2	10	3	14	
	1-26	4.4	"	1	5	24	115	7	34	5	24	
	1-27	4.0	"	1	5	32	154	9	43	7	34	
	1-28	5.2	"	1	5	35	168	11	53	18	87	
	1-29,30,31	—	"	←		NO SAMPLE				→		
	2-1,2,3	—	"	←		NO SAMPLE				→		
	2-4	3.3	"	5	24	107	515	62	298	77	370	
	2-5,6	—	"	←		NO SAMPLE				→		
	2-7	7.5	"	6	29	10	48	3	14	10	48	
	2-8	4.1	"	2	10	32	154	19	91	9	43	
	2-9	4.5	"	20	96	33	159	27	130	41	197	
	2-10	—	"	←		NO SAMPLE				→		
	2-11	5.2	"	3	14	21	101	18	87	11	53	
	2-12	4.7	"	31	149	27	130	49	236	52	250	
	2-13	—	"	←		No SAMPLE				→		
	2-14	7.2	"	5	24	13	63	6	29	16	77	
	2-15	6.6	"	14	67	12	58	20	96	35	168	
	2-16	6.8	555,514	10	46	8	37	10	46	16	74	
	2-17	4.4	" 4.6	15	69	23	106	24	110	21	97	
	2-18	5.5	"	17	78	16	74	19	87	20	92	
	2-19,20	—	"	←		NO SAMPLE				→		
	2-21	—	"	←		NO SAMPLE				→		
	2-22	4.2	"	9	41	33	152	44	202	41	189	
	2-23	5.0	"	7	32	25	115	23	106	23	106	
	2-24	3.6	"	10	46	37	170	32	147	25	115	
	2-25	3.5	"	7	32	36	166	36	166	25	115	
	2-26,27	—	"	←		NO SAMPLE				→		
	2-28	3.7	"	10	46	17	78	37	170	25	115	
	3-1	6.3	"	30	138	19	87	40	184	50	230	
	3-2	5.5	"	23	106	13	60	31	143	44	202	
	3-3	5.1	"	16	74	15	69	30	138	36	166	
	3-4	5.2	"	18	83	17	78	20	92	28	129	
	3-5,6	—	"	←		NO SAMPLE				→		

CERRO - WEST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	1-13-82	7.7	441,500	1	4	9	33	2	7	4	15
	1-14	7.0	"	2	7	4	15	2	7	10	37
	1-15,16	—	"	No Sample							
	1-17	—	"	No Sample							
	1-18	—	"	No Sample							
	1-19	7.3	"	1	4	6	22	1	4	5	18
	1-20	7.4	546,148	1	5	5	23	1	5	6	27
	1-21	7.2	"	2	10	9	41	2	10	13	59
	1-22,23	—	"	No Sample							
	1-24	7.7	"	1	5	1	5	1	5	2	10
	1-25	7.9	"	1	5	1	5	1	5	3	14
	1-26	7.6	"	1	5	1	5	1	5	2	10
	1-27	8.0	"	1	5	1	5	1	5	3	14
	1-28	8.0	"	1	5	1	5	1	5	6	27
	1-29,30,31	—	"	No Sample							
	2-1,2,3	—	"	No Sample							
	2-4	5.6	"	2	10	16	73	4	18	26	108
	2-5,6	—	"	No Sample							
	2-7	7.0	"	1	5	1	5	1	5	9	41
	2-8	6.2	"	2	10	11	50	3	14	16	73
	2-9	6.7	"	1	5	8	36	3	14	11	50
	2-10	—	"	No Sample							
	2-11	7.7	"	1	5	8	36	2	10	4	18
	2-12	7.6	"	2	10	8	36	3	14	34	155
	2-13	—	"	No Sample							
	2-14	7.8	"	1	5	1	5	1	5	5	23
	2-15	7.8	"	1	5	1	5	1	5	5	23
	2-16	7.8	628,029	1	4	4	18	1	4	7	31
	2-17	7.6	"	1	4	6	26	1	4	5	22
	2-18	7.5	"	1	4	9	40	2	9	9	40
	2-19,20	—	"	No Sample							
	2-21	7.1	"	4	18	1	4	2	9	40	176
	2-22	7.3	"	1	4	4	18	2	9	11	48
	2-23	7.6	"	1	4	9	40	2	9	23	101
	2-24	7.6	"	1	4	1	4	1	4	10	44
	2-25	6.7	"	1	4	7	31	4	18	6	26
	2-26,27	—	"	No Sample							
	2-28	6.8	"	5	22	1	4	2	9	35	154
	3-1	7.8	"	3	13	5	22	2	9	10	44
	3-2	7.4	"	3	13	1	4	2	9	14	62
	3-3	7.4	"	6	26	4	18	4	18	46	202
	3-4	7.6	"	1	4	4	18	2	9	9	40
	3-5,6	—	"	No Sample							

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLEC
	3-7-82	6.7	555,514	5	23	9	41	4	18	8	37	
	3-8-82	5.8	" 4.6	15	69	8	37	30	138	54	248	
	3-9-82	5.0	"	23	106	16	74	29	133	57	262	
	3-10-82	4.4	"	15	69	20	92	17	78	44	202	
	3-11-82	3.2	"	6	28	55	253	40	184	36	166	
	3-12,13	—	"	←		NO SAMPLE					→	
	3-14	3.5	"	3	14	30	138	15	69	27	124	
	3-15	6.0	"	9	41	22	101	20	92	54	248	
	3-16	6.0	"	19	87	27	133	20	92	72	331	
	3-17	4.8	"	9	41	34	156	58	267	47	216	
	3-18	5.1	"	8	37	21	97	19	87	51	235	
	3-19-82	—	"	←		NO SAMPLE					→	
	3-20	4.8	"	2	9	17	78	8	37	68	313	
	3-21	4.9	"	6	28	15	69	5	23	20	92	
	3-22	4.1	"	2	9	12	55	5	23	7	32	
	3-23	4.3	471,000	3	12	12	47	7	27	9	35	
	3-24	3.7	" 3.92	2	8	24	94	13	51	11	43	
	3-25	6.6	"	7	28	10	39	5	20	27	106	
	3-26,27	—	"	←		NO SAMPLE					→	
	3-28	4.8	"	1	4	6	24	2	8	4	16	
	3-29	3.3	"	1	4	19	74	10	39	9	35	
	3-30	4.0	"	2	8	12	47	7	27	12	47	
	3-31	4.1	"	1	4	10	39	6	24	5	20	
	4-1	4.7	"	1	4	17	67	10	39	5	20	
	4-2,3	—	"	←		NO SAMPLE					→	
	4-4	5.9	"	4	16	11	43	16	63	27	106	
	4-5	6.5	"	3	12	17	67	19	74	18	71	
	4-6	6.8	"	2	8	18	71	76	298	20	78	
	4-7	6.7	"	2	8	22	86	27	106	15	59	
	4-8	6.3	"	2	8	27	106	36	141	20	78	
	4-9,10	—	"	←		NO SAMPLE					→	
	4-11	6.0	"	8	31	17	67	46	180	34	133	
	4-12	5.4	"	6	24	24	94	26	102	20	78	
	4-13	5.6	"	6	24	24	94	20	78	16	63	
	4-14	4.2	"	4	16	30	118	32	125	14	55	
	4-15	5.1	"	5	20	22	86	30	118	15	59	
	4-16,17	—	"	←		NO SAMPLE				23	→	
	4-18	3.7	"	6	24	42	165	45	176	23	90	
	4-19	4.4	"	4	16	24	94	20	78	19	74	
	4-20	7.1	480,286	3	12	24	96	21	84	20	80	
	4-21	6.4	" 4.00	3	12	16	68	18	72	14	56	
	4-22	5.9	"	3	12	17	68	29	116	13	52	
	4-23,24	—	"	←		NO SAMPLE						

CERRO - WEST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	3-7-82	8.0	528,029	1	4	1	4	1	4	3	13
	3-8-82	7.9	"	1	4	1	4	1	4	3	13
	3-9-82	8.0	"	1	4	1	4	1	4	3	13
	3-10-82	7.6	"	2	9	7	31	3	13	9	40
	3-11-82	8.0	"	2	9	1	4	1	4	7	31
	3-12,13	—	"	NO SAMPLE							
	3-14	7.9	"	1	4	1	4	1	4	4	18
	3-15	7.9	"	1	4	4	18	1	4	3	13
	3-16	7.0	"	3	13	8	35	4	18	41	180
	3-17	7.6	"	1	4	1	4	2	9	13	57
	3-18	7.7	"	1	4	1	4	2	9	16	70
	3-19-82	—	"	NO SAMPLE							
	3-20	6.8	"	2	9	1	4	2	9	20	88
	3-21	7.8	"	1	4	1	4	1	4	5	22
	3-22	7.6	"	2	9	1	4	3	13	17	75
	3-23	8.0	514,178	2	9	12	51	5	21	7	30
	3-24	7.0	" 4.24	3	13	1	4	9	34	48	206
	3-25	—	"	NO SAMPLE							
	3-26,27	—	"	NO SAMPLE							
	3-28	7.1	"	3	13	1	4	2	9	19	82
	3-29	7.8	"	1	4	1	4	2	9	15	64
	3-30	—	"	NO SAMPLE							
	3-31	—	"	NO SAMPLE							
	4-1	7.6	"	3	13	1	4	3	13	62	266
	4-2,3	—	"	NO SAMPLE							
	4-4	7.7	"	1	4	1	4	1	4	9	39
	4-5	7.8	"	1	4	1	4	1	4	14	60
	4-6	7.3	"	1	4	8	34	3	13	7	30
	4-7	7.4	"	2	9	6	26	36	154	18	77
	4-8	7.7	"	7	30	5	21	8	34	60	257
	4-9,10	—	"	No Sample							
	4-11	8.0	"	1	4	1	4	1	4	5	21
	4-12	7.6	"	1	4	6	26	1	4	3	13
	4-13	7.6	"	1	4	10	43	2	9	3	13
	4-14	7.4	"	1	4	5	21	2	9	3	13
	4-15	7.7	"	1	4	4	17	1	4	7	30
	4-16,17	—	"	NO SAMPLE							
	4-18	7.7	"	1	4	1	4	1	4	2	9
	4-19	7.6	"	1	4	15	64	1	4	4	17
	4-20	7.0	377,893	1	3	25	79	3	9	19	60
	4-21	7.7	" 3.14	1	3	11	35	4	13	27	85
	4-22	7.7	"	1	3	7	22	2	6	8	25
	4-23,24	—	"	No SAMPLE							

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	4-25-82	7.3	480,286	5	20	9	36	17	68	18	72
	4-26-82	7.0	" 4.00	4	16	14	56	13	52	9	36
	4-27-82	6.7	"	3	12	20	80	19	76	16	64
	4-28-82	6.0	"	6	24	26	104	21	84	50	200
	4-29-82	5.5	"	7	28	29	116	20	80	34	136
	4-30, 5-1	—	"	←		NO SAMPLE				→	
	5-2	6.5	"	4	16	14	56	20	80	15	60
	5-3	6.3	"	4	16	22	88	38	152	16	64
	5-4	4.4	"	3	12	40	160	42	168	12	48
	5-5	4.6	"	3	12	30	120	45	180	9	36
	5-6	5.0	"	3	12	25	100	42	168	11	44
	5-7, 8	—	"	←		NO SAMPLE				→	
	5-9	6.6	"	9	36	18	72	56	224	33	132
	5-10	5.8	"	7	28	26	104	37	148	15	60
	5-11	4.5	"	4	16	32	128	48	192	10	40
	5-12	4.6	"	4	16	34	136	67	268	12	48
	5-13	4.8	"	4	16	38	152	66	264	14	56
	5-14, 15	—	"	←		NO SAMPLE				→	
	5-16	7.4	"	5	20	8	32	17	68	22	88
	5-17	7.3	"	4	16	16	64	17	68	17	68
	5-18	7.3	417,821	4	14	22	77	46	160	55	191
	5-19	7.1	" 3.48	4	14	27	94	34	118	12	42
	5-20	—	"	←		NO SAMPLE				→	
	5-21, 22	—	"	←		NO SAMPLE				→	
	5-23	7.1	"	5	17	11	38	20	70	20	70
	5-24	4.5	"	5	17	24	84	59	205	33	115
	5-25	3.8	"	4	14	29	101	35	122	30	104
	5-26	4.6	"	4	14	20	70	19	66	22	77
	5-27	3.7	"	2	7	50	174	60	209	12	42
	5-28, 29, 30	—	"	←		NO SAMPLE				→	
	5-31	6.9	"	4	14	8	28	5	17	18	63
	6-1	7.4	"	1	3	5	17	2	7	6	21
	6-2	3.4	"	2	7	63	219	63	219	43	150
	6-3	—	"	←		NO SAMPLE				→	
	6-4	3.4	"	2	7	41	143	19	66	44	153
	6-5	4.7	"	25	87	25	87	61	212	84	292
	6-6	—	"	←		NO SAMPLE				→	
	6-7	5.1	"	25	87	28	97	91	317	133	463
	6-8	4.6	"	25	87	35	122	79	275	112	390
	6-9	4.9	"	26	90	29	101	72	251	157	547
	6-10	5.4	"	13	45	30	104	47	164	95	331
	6-11, 12	—	"	←		NO SAMPLE				→	
	6-13	4.3	"	2	7	19	66	85	249	86	299

CERRO - WEST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	4-25-82	7.1	377,893	1	3	2	6	1	3	6	19
	4-26-82	7.1	" 3.14	1	3	14	44	1	3	10	31
	4-27-82	7.8	"	1	3	13	41	1	3	4	12
	4-28-82	7.7	"	1	3	8	25	1	3	12	37
	4-29-82	7.5	"	1	3	20	60	1	3	9	28
	4-30, 5-1	—	"	NO SAMPLE							
	5-2	7.5	"	1	3	1	3	1	3	5	16
	5-3	7.2	"	1	3	8	25	2	6	9	28
	5-4	7.8	"	2	6	9	28	5	16	18	56
	5-5	7.5	"	1	3	9	28	3	9	10	31
	5-6	7.7	"	1	3	2	6	1	3	8	25
	5-7, 8	—	"	NO SAMPLE							
	5-9	7.6	"	1	3	1	3	1	3	5	16
	5-10	7.6	"	1	3	8	25	3	9	8	25
	5-11	7.4	"	1	3	7	22	5	16	12	37
	5-12	7.3	"	1	3	7	22	7	22	9	28
	5-13	7.6	"	1	3	9	28	6	19	12	37
	5-14, 15	—	"	NO SAMPLE							
	5-16	7.8	"	1	3	1	3	1	3	3	9
	5-17	7.6	"	1	3	5	16	2	6	10	31
	5-18	8.0	373,004	1	3	4	12	3	9	13	40
	5-19	7.7	" 3.11	1	3	10	31	5	5	7	22
	5-20	7.6	"	1	3	16	50	9	28	12	37
	5-21, 22	—	"	NO SAMPLE							
	5-23	7.8	"	1	3	1	3	1	3	5	16
	5-24	—	"	NO SAMPLE							
	5-25	7.3	"	1	3	4	12	2	6	4	12
	5-26	7.6	"	2	6	7	22	3	9	16	50
	5-27	7.7	"	1	3	7	22	4	12	18	56
	5-28, 29, 30	—	"	NO SAMPLE							
	5-31	7.6	"	1	3	2	6	1	3	7	22
	6-1	7.4	"	1	3	1	3	1	3	3	9
	6-2	—	"	NO SAMPLE							
	6-3	—	"	NO SAMPLE							
	6-4	7.0	"	1	3	1	3	1	3	2	6
	6-5	4.7	"	1 ~~2~~	3	2	6	1	3	2	6
	6-6	—	"	NO SAMPLE							
	6-7	7.6	"	1	3	7	22	4	12	6	19
	6-8	7.8	"	1	3	4	12	1	3	6	19
	6-9	7.5	"	1	3	1	3	1	3	7	22
	6-10	7.4	"	1	3	4	12	2	6	5	16
	6-11, 12	—	"	NO SAMPLE							
	6-13	7.9	"	1	3	1	3	1	3	5	16

CERRO - EAST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLE
	6-14-82	5.8	417,821	29	101	14	49	66	230	178	619	
	6-15	6.9	437,714	18	66	28	102	48	175	89	325	
	6-16	4.1	"	5	18	31	113	30	110	30	110	
	6-17	4.2	"	5	18	30	110	35	128	23	84	
	6-18,19	—	"	←		NO SAMPLE					→	
	6-20	6.4	"	7	26	7	26	32	117	28	84	
	6-21	3.1	"	7	26	50	183	50	183	313	1,142	
	6-22	3.0	"	6	22	72	263	69	252	328	1,197	
	6-23	3.3	"	13	47	50	183	51	186	102	372	
	6-24	3.7	"	5	18	48	175	29	106	35	128	
	6-25,26	—	"	←		No SAMPLE					→	
	6-27	2.8	"	4	15	55	201	33	120	27	99	
	6-28	2.8	"	4	15	84	307	40	146	177	646	
	6-29	3.4	"	3	11	36	131	18	66	29	106	
	6-30	3.1	"	2	7	32	117	16	58	13	47	
	7-1	3.4	"	5	18	25	91	15	55	35	128	
	7-2,3,4	—	"	←		No SAMPLE					→	
	7-5	6.7	"	29	106	14	51	66	241	109	398	
	7-6	6.5	"	53	193	25	91	76	277	99	361	
	7-7	4.7	"	23	84	59	215	95	347	110	402	
	7-8	5.0	"	26	95	42	153	48	175	50	183	
	7-9,10,11,12	—	"	←		No SAMPLE					→	
	7-13	—	332,314	←		No SAMPLE					→	
	7-14	—	"	←		No SAMPLE					→	
	7-15	—	"	←		No SAMPLE					→	
	7-16,17	—	"	←		No SAMPLE					→	
	7-18	—	"	←		No SAMPLE					→	
	7-19	—	"	←		No SAMPLE					→	
	7-20	—	"	←		No SAMPLE					→	
	7-21	—	"	←		No SAMPLE					→	
	7-22	—	"	←		No SAMPLE					→	
	7-23,24	—	"	←		No SAMPLE					→	
	7-25	—	"	←		No SAMPLE					→	
	7-26	—	"	←		No Sample					→	
	7-27	—	"	←		No Sample					→	
	7-28	—	"	←		No Sample					→	
	7-29	—	"	←		No Sample					→	
	7-30,31	—	"	←		No Sample					→	
	8-1	—	"	←		No Sample					→	
	8-2	—	"	←		No Sample					→	
	8-3	—	"	←		No Sample					→	
	8-4	—	"	←		No Sample					→	
	8-5,6,7	—	"	←		No Sample					→	

CERRO - WEST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	6-14-82	7.6	373,000	2	6	8	25	6	19	15	47
	6-15	6.9	275,500	4	9	8	18	6	14	23	53
	6-16	7.2	" 2.3	2	5	10	23	5	12	11	25
	6-17	7.1	"	3	7	10	23	6	14	17	39
	6-18,19	—	"	←		NO SAMPLE					→
	6-20	8.0	"	2	5	1	2	1	2	4	9
	6-21	7.6	"	3	7	7	16	4	9	35	81
	6-22	7.8	"	2	5	8	18	4	9	29	67
	6-23	6.1	"	2	5	16	37	7	16	18	41
	6-24	6.7	"	1	2	14	32	6	14	8	18
	6-25,26	—	"	←		NO SAMPLE					→
	6-27	7.8	"	2	5	1	2	1	2	6	14
	6-28	7.3	"	3	7	11	25	4	9	22	51
	6-29	7.1	"	2	5	14	32	4	9	15	35
	6-30	7.1	"	1	2	1	2	1	2	11	25
	7-1	7.8	"	1	2	1	2	1	2	10	23
	7-2,3,4	—	"	←		NO SAMPLE					→
	7-5	7.4	"	1	2	1	2	1	2	4	9
	7-6	7.4	"	1	2	10	23	2	5	4	9
	7-7	7.1	"	1	2	7	16	4	9	10	23
	7-8	7.5	"	1	2	9	21	4	9	5	12
	7-9,10,11,12	—	"	←		NO SAMPLE					→
	7-13	6.7	420,114	1	4	13	46	6	21	8	28
	7-14	7.2	"	1	4	12	42	5	18	3	11
	7-15	7.2	"	1	4	13	46	4	14	1	7
	7-16,17	—	"	←		NO SAMPLE					→
	7-18	7.6	"	1	4	1	4	1	4	1	4
	7-19	7.5	"	1	4	10	35	4	14	1	4
	7-20	7.4	"	1	4	8	28	3	11	1	4
	7-21	8.0	"	1	4	12	42	5	18	2	7
	7-22	7.8	"	1	4	4	14	3	11	2	7
	7-23,24	—	"	←		NO SAMPLE					→
	7-25	7.5	"	3	11	3	11	16	56	16	56
	7-26	6.6	"	4	14	16	56	32	112	19	67
	7-27	4.0	"	3	11	28	98	32	112	31	109
	7-28	3.9	"	2	7	7	25	13	46	14	49
	7-29	3.9	"	2	7	30	105	28	98	29	102
	7-30,31	—	"	←		No Sample					→
	8-1	7.0	"	4	14	27	95	27	95	36	126
	8-2	7.0	"	2	7	1	4	1	4	12	42
	8-3	7.0	"	6	21	10	35	21	74	35	123
	8-4	7.5	"	1	4	11	39	2	7	7	25
	8-5,6,7	—	"	←		No Sample					→

CERRO EAST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD	DATE COLLECTED
	8-8	—	337,314	←		No Sample					→	
	8-9	—	"	←		No Sample					→	
	8-10	5.0	"	6	17	22	48	32	90	39	109	
	8-11	4.6	"	5	14	20	56	31	87	38	106	
	8-12	5.0	"	4	11	30	84	49	137	61	171	
	8-13,14	—	"	←		No Sample					→	
	8-15	6.7	"	3	8	15	42	29	81	58	162	
	8-16	6.9	"	2	6	20	56	18	50	44	123	
	8-17	5.4	315,857	3	8	50	140	36	101	31	87	
	8-18	2.9	" 2.65	10	28	21	59	13	36	28	78	
	8-19	4.0	"	2	6	24	67	16	45	15	42	
	8-20,21	—	"	←		No Sample					→	
	8-22	6.1	"	2	6	10	28	4	11	11	31	
	8-23	5.9	"	595	1669	85	238	280	784	1,160	3248	
	8-24	4.0	"	81	227	84	235	81	227	245	686	
	8-25	4.1	"	91	255	81	227	81	227	212	594	
	8-26	4.1	"	85	238	72	202	82	230	160	448	
	8-27,28	—	"	←		No Sample					→	
	8-29	3.9	"	11	31	71	199	34	95	87	244	
	8-30	3.2	"	9	25	15	42	8	22	25	70	
	8-31	3.3	"	5	14	16	45	12	34	19	53	
	9-1	3.2	"	6	17	37	104	39	109	35	98	
	9-2	3.4	"	5	14	38	106	32	90	28	78	
	9-3,4,5	—	"	←		No Sample					→	
	9-6	—	"	←		No Sample					→	
	9-7	3.9	"	7	20	39	109	45	126	15	42	
	9-8	4.8	"	4	11	29	81	21	59	18	50	
	9-9	—	"	←		No Sample					→	
	9-10,11,12,13,14,15	—	"	←		No Sample					→	
	9-16	2.9	"	8	21	47	124	41	108	27	71	
	9-17,18	—	"	←		No Sample					→	
	9-19	—	"	←		No Sample					→	
	9-20	—	"	←		No Sample					→	
	9-21	3.7	272,514	3	7	40	91	29	66	17	39	
	9-22	3.9	" 2.27	3	7	45	102	36	82	34	77	
	9-23	4.7	"	3	7	33	75	27	61	13	30	
	9-24,25	—	"	←		No Sample					→	
	9-26	3.1	"	4	9	42	95	18	41	14	32	
	9-27	3.9	"	6	14	20	45	12	27	18	41	
	9-28	6.7	"	3	7	3	7	2	5	8	18	
	9-29	7.4	"	1	2	1	2	1	2	3	7	
	9-30	6.3	"	6	14	21	48	15	34	48	109	
	10-1,2	—	"	←		No Sample					→	

CERRO - WEST

ER - ed	DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
→		8-8	7.1	420, 114	1	4	2	7	1	4	4	14
→		8-9	7.2	" 3.50	2	7	2	7	1	4	11	39
09		8-10	7.3	"	1	4	1	4	1	4	7	25
06		8-11	7.2	"	1	4	1	4	2	7	7	25
71		8-12	7.8	"	2	7	2	7	1	4	8	28
→		8-13,14	—	"	←		No Sample				→	
62		8-15	7.9	"	1	4	1	4	1	4	3	11
23		8-16	7.5	"	1	4	6	21	4	14	8	28
27		8-17	7.0	362,771	1	3	12	36	9	27	7	21
8		8-18	7.5	" 302	1	3	1	3	1	3	2	6
2		8-19	7.4	"	2	6	9	27	3	9	13	39
→		8-20,21	—	"	←		No Sample				→	
31		8-22	7.5	"	2	6	1	3	1	3	8	24
48		8-23	7.5	"	1	3	1	3	1	3	3	9
26		8-24	7.4	"	2	6	1	3	2	6	10	30
94		8-25	7.7	"	3	9	2	6	2	6	12	36
18		8-26	—	"	←		No Sample				→	
→		8-27,28	—	"	←		No Sample				→	
14		8-29	7.7	"	1	3	1	3	1	3	2	6
0		8-30	6.8	"	3	9	16	48	14	42	11	33
7		8-31	6.5	"	2	6	22	66	22	66	10	30
7		9-1	5.9	"	3	9	17	51	18	54	19	57
7		9-2	5.0	"	14	42	27	82	27	82	144	435
→		9-3,4,5	—	"	←		No Sample				→	
→		9-6	7.7	"	1	3	1	3	1	3	3	9
		9-7	6.3	"	2	6	15	45	15	45	16	48
		9-8	5.3	"	3	9	22	66	15	45	31	94
→		9-9	7.6	"	2	6	4	12	4	12	24	72
→		9-10,11,12,13,14,15	—	"	←		No Sample				→	
		9-16	7.4	"	1	3	4	12	1	3	4	12
→		9-17,18	—	"	←		No Sample				→	
→		9-19	7.6	"	1	3	1	3	1	3	5	15
→		9-20	7.3	"	1	3	1	3	2	6	13	39
		9-21	6.4	332,343	2	6	8	22	9	25	24	66
		9-22	7.3	" 2.77	2	6	1	3	2	6	14	39
		9-23	7.1	"	2	6	8	22	6	17	14	39
→		9-24,25	—	"	←		No Sample				→	
		9-26	7.1	"	2	6	1	3	1	3	11	30
		9-27	4.0	"	3	9	36	100	19	53	35	97
		9-28	6.8	"	2	6	16	44	11	30	19	53
		9-29	7.4	"	2	6	3	9	2	6	12	33
9		9-30	7.8	"	2	6	1	3	1	3	6	17
→		10-1,2	—	"	←		No Sample				→	

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECT
	10-3-82	3.5	272,514	2	5	24	54	12	27	8	18	
	10-4-82	3.7	" 2.27	1	2	22	50	8	18	14	32	
	10-5-82	3.6	"	1	2	30	68	10	23	7	16	
	10-6-82	3.7	"	1	2	23	52	10	23	7	16	
	10-7-82	—	"			No Sample						
	10-8,9,10,11,12	—	"			No Sample						
	10-13	—	"			No Sample						
	10-14	—	"			No Sample						
	10-15,16	—	"			No Sample						
	10-17	—	"			No Sample						
	10-18	—	"			No Sample						
	10-19	—	"			No Sample						
	10-20	—	"			No Sample						
	10-21	—	"			No Sample						
	10-22,23	—	"			No Sample						
	10-24	7.2	"	3	7	9	20	19	43	13	30	
	10-25	6.2	"	4	9	24	54	33	75	20	45	
	10-26	4.4	385,000	3	10	34	109	21	67	22	71	
	10-27	4.2	" 3.21	5	16	41	132	46	148	33	106	
	10-28	4.4	"	3	10	33	106	21	67	32	103	
	10-29,30	—	"			No Sample						
	10-, 31	4.6	"	4	13	25	80	19	61	27	87	
	11-1	8.1	"	1	3	6	19	4	13	7	22	
	11-2	7.4	"	3	10	19	61	20	64	17	55	
	11-3	7.6	"	2	6	14	45	16	51	7	22	
	11-4	5.3	"	2	6	22	71	21	67	15	55	
	11-5,6	—	"			No Sample						
	11-7	6.2	"	3	10	12	39	11	35	11	35	
	11-8	8.1	"	1	3	12	39	15	48	9	29	
	11-9	6.9	"	3	10	18	58	20	64	14	45	
	11-10	—	"			No Sample						
	11-11	4.4	"	4	13	16	51	18	58	24	77	
	11-12,13	—	"			No Sample						
	11-14	6.5	"	2	6	12	39	8	26	9	29	
	11-15	6.9	"	2	6	9	29	12	39	11	35	
	11-16	4.2	"	4	13	23	74	25	80	16	51	
	11-17	4.0	"	4	13	30	96	31	100	17	55	
	11-18	4.4	"	3	10	18	58	28	90	18	58	
	11-19,20	—	"			No Sample						
	11-21	6.3	"	5	16	6	19	20	64	39	125	
	11-22	6.5	"	3	10	11	35	15	48	17	55	
	11-23	6.7	475,857	3	12	10	40	17	68	25	100	
	11-25	6.6	" 3.46	1	4	14	56	4	16	2	8	

R ppb	DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
18		10-3-82	–	←			NO Sample					→
32		10-4-82	8.0	332,343	1	3	1	3	1	3	14	39
16		10-5-82	7.8	" 2.77	1	3	1	3	1	3	2	6
16		10-6-82	8.0	"	1	3	1	3	1	3	16	44
→		10-7-82	8.0	"	1	3	1	3	1	3	7	19
→		10-8,9,10,11,12	–	"	←		NO SAMPLE					→
→		10-13	8.0	"	2	6	1	3	2	6	18	50
→		10-14	7.9	"	1	3	3	9	3	9	13	36
→		10-15,16	—	"	←		NO Sample					→
→		10-17	4.5	"	1	3	17	47	14	39	10	28
→		10-18	5.0	"	2	6	11	30	18	50	44	122
→		10-19	8.0	"	2	6	3	9	3	9	23	64
→		10-20	5.4	"	2	6	11	30	13	36	47	130
→		10-21	7.9	"	2	6	2	6	4	11	29	80
→		10-22,23	—	"	←		NO SAMPLE					→
30		10-24	—	"	←		NO SAMPLE					→
15		10-25	7.6	"	6	17	2	6	5	14	86	238
7		10-26	8.1	421,928	2	7	1	4	2	7	82	113
26		10-27	7.7	" 3.57	2	7	1	4	2	7	21	74
03		10-28	7.5	"	2	7	14	49	9	32	32	113
→		10-29,30	—	"	←		No Sample					→
7		10-31	8.1	"	1	4	1	4	1	4	3	11
2		11-1	6.9	"	1	4	14	49	17	60	4	14
5		11-2	8.0	"	1	4	24	84	5	18	9	32
2		11-3	8.3	"	1	4	12	42	2	7	6	21
5		11-4	7.7	"	2	7	10	35	4	14	12	42
→		11-5,6	—	"	←		NO SAMPLE					→
5		11-7	8.5	"	1	4	1	4	1	4	5	18
9		11-8	7.8	"	2	7	1	4	2	7	18	63
5		11-9	7.8	"	2	7	1	4	1	4	11	39
→		11-10	–	"	←		No Sample					→
7		11-11	7.4	"	1	4	1	4	1	4	10	35
→		11-12,13	—	"	←		No Sample					→
9		11-14	7.5	"	1	4	1	4	1	4	3	11
5		11-15	7.2	"	2	7	5	18	3	11	10	35
1		11-16	7.2	"	3	11	5	18	4	14	15	53
5		11-17	6.9	"	5	18	6	21	5	18	41	144
8		11-18	7.1	"	3	11	13	46	12	42	18	63
→		11-19,20	–	"	←		No Sample					→
5		11-21	7.3	"	1	4	1	4	1	4	5	18
5		11-22	6.8	"	3	11	7	25	7	25	24	84
		11-23	7.2	373,464	2	5	5	14	4	11	16	43
		11-28	7.6	" 2.7	1	3	1	3	1	3	6	16

DATE COLLECTED	DATE RECEIVED	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb	DATE COLL
	11-28	6.8	475,857	2	8	10	40	2	8	1	4	
	11-29	5.6	"	1	4	12	48	3	12	6	24	
	11-30	3.7	"	1	4	24	96	7	28	8	32	
	12-1	3.6	"	1	4	23	92	16	64	8	32	
	12-2	4.0	"	1	4	12	48	13	52	9	36	
	12-3,4	—	"	←		NO SAMPLE				→		
	12-5	3.6	"	1	4	12	48	7	28	4	16	
	12-6	—	"	←		NO SAMPLE				→		
	12-7	3.7	"	1	4	30	120	16	64	8	32	
	12-8	3.5	"	10	40	68	272	39	156	26	102	
	12-9	3.8	"	3	12	68	272	26	102	9	36	
	12-10,11	—	"	←		No Sample				→		
	12-12	3.4	"	4	16	10	40	16	64	20	80	
	12-13	3.4	"	3	12	28	112	39	156	17	68	
	12-14	3.4	"	3	12	32	128	42	168	18	72	
	12-15	3.8	"	4	16	25	100	45	180	47	188	
	12-16	3.3	"	4	16	39	156	53	212	45	180	
	12-17,18	—	"	←		No SAMPLE				→		
	12-19	3.7	"	4	16	57	228	48	192	129	516	
BWO 1982	12-20	5.1	"	3	12	17	68	19	76	31	124	BWO
BWO 1983	12-21	3.5	449,657 3.75	3	11	25	94	51	255	32	120	BWO
	12-22	3.7	"	3	11	22	83	33	124	27	101	
	12-23,24,25	—	"	←		NO Sample				→		
	12-26	6.1	"	3	11	7	26	12	45	12	45	
	12-27	4.3	"	3	11	20	75	25	94	15	56	
	12-28	4.0	"	3	11	26	98	67	251	18	68	
	12-29	3.0	"	3	11	38	143	74	278	23	86	
	12-30	3.1	"	2	8	38	143	48	180	19	71	
	12-31,1-1	—	"	←		NO Sample				→		
	1-2	4.1	"	2	8	11	41	41	154	15	56	
	1-3	4.8	"	2	8	17	64	35	131	17	64	
	1-4	3.7	"	2	8	24	90	37	138	17	64	
	1-5	3.8	"	2	8	35	131	50	188	19	71	
	1-6	4.1	"	3	11	25	94	35	131	16	60	
	1-7,8	—	"	←		NO SAMPLE				→		
	1-9	3.2	"	5	19	105	394	75	281	54	203	
	1-10	3.9	"	3	11	37	138	41	154	26	98	
	1-11	3.6	"	3	11	55	206	43	161	57	214	
	1-12	4.0	"	3	11	39	146	23	86	34	128	
	1-13	4.2	"	3	11	47	176	28	105	33	124	
	1-14,15	—	"	←		NO Sample				→		
	1-16	3.8	"	1	4	31	116	13	49	14	53	
	1-17	4.3	"	1	4	22	83	6	23	6	23	

PPM PPD	DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
4		11-28	7.7	323,464	2	5	1	3	1	3	2	5
24		11-29	7.6	" 2.7	2	5	1	3	2	5	16	43
32		11-30	7.1	"	3	8	1	3	4	11	23	62
32		12-1	6.5	"	4	11	1	3	3	8	29	78
36		12-2	6.6	"	2	5	1	3	2	5	14	38
→		12-3,4	—	"	←		NO SAMPLE					→
16		12-5	—	"	←		NO SAMPLE					→
→		12-6	—	"	←		NO SAMPLE					→
32		12-7	6.4	"	2	5	1	3	2	5	19	51
102		12-8	6.5	"	2	5	1	3	2	5	23	62
36		12-9	7.6	"	1	3	1	3	1	3	3	8
→		12-10,11	—	"	←		NO SAMPLE					→
80		12-12	7.4	"	1	3	1	3	1	3	5	14
68		12-13	7.2	"	1	3	1	3	1	3	8	22
72		12-14	7.1	"	2	5	1	3	1	3	21	57
188		12-15	7.6	"	3	8	1	3	2	5	28	76
180		12-16	7.0	"	3	8	7	19	4	11	19	51
→		12-17,18	—	"	←		NO SAMPLE					→
576		12-19	7.6	"	1	3	1	3	1	3	7	19
124	END 1982	12-20	6.9	"	1	3	5	14	2	5	14	38
120	BEGIN 1983	12-21	6.8	283,714	2	5	6	14	4	9	16	38
104		12-22	6.7	" 2.36	2	5	4	9	2	5	18	42
→		12-23,24,25	—	"	←		NO SAMPLE					→
45		12-26	7.2	"	1	2	1	2	1	2	4	9
56		12-27	7.1	"	1	2	1	2	1	2	5	12
68		12-28	7.2	"	1	2	1	2	1	2	3	7
86		12-29	7.4	"	1	2	4	9	3	7	6	14
71		12-30	6.9	"	1	2	7	17	3	7	4	9
→		12-31,1-1	—	"	←		NO SAMPLE					→
56		1-2	7.3	"	1	2	1	2	1	2	2	5
64		1-3	7.1	"	1	2	4	9	3	7	5	12
64		1-4	7.0	"	1	2	5	12	3	7	5	12
71		1-5	7.0	"	1	2	7	17	6	14	6	14
60		1-6	7.5	"	1	2	6	14	4	9	5	12
→		1-7,8	—	"	←		NO SAMPLE					→
203		1-9	7.4	"	1	2	1	2	1	2	5	12
98		1-10	7.6	"	1	2	4	9	3	7	4	9
214		1-11	6.5	"	1	2	12	28	6	14	5	12
128		1-12	6.8	"	1	2	10	24	7	17	13	31
24		1-13	7.0	"	2	5	5	12	4	9	20	47
→		1-14,15	—	"	←		NO SAMPLE					→
53		1-16	7.7	"	1	2	2	5	1	2	14	33
23		1-17	7.7	"	1	2	20	47	1	2	6	14

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd.	NICKEL ppm	NICKEL ppd.	ZINC ppm	ZINC ppd.	COPPER ppm	COPPER ppd.	DATE COLLEC
	1-18-87	3.6	"	1	4	42	168	14	53	7	26	
	1-19	3.6	"	1	4	28	105	10	38	7	26	
	1-20	3.5	"	1	4	37	138	12	45	16	60	
	1-21,22	—	"	←		NO Samples					→	
	1-23	4.9	"	1	4	14	53	10	38	12	45	
	1-24	6.7	"	1	4	9	34	12	45	12	45	
	1-25	3.6	485,286	2	8	30	121	48	194	36	145	
	1-26	3.8	" 404	1	4	22	89	20	81	15	61	
	1-27	3.6	"	2	8	24	97	30	121	15	61	
	1-28,29	—	"	←		NO Samples					→	
	1-30	4.2	"	2	8	17	69	19	77	18	73	
	1-31	3.9	"	3	12	88	356	63	254	37	150	
	2-1	3.1	"	2	8	61	246	62	250	26	105	
	2-2	3.2	"	2	8	59	238	43	174	52	210	
	2-3	3.7	"	1	4	32	129	35	141	32	129	
	2-4,5	—	"	←		NO Samples					→	
	2-6	—	"	←		NO Samples					→	
	2-7	6.4	"	4	16	15	61	25	101	39	158	
	2-8	5.7	"	3	12	18	73	26	105	40	162	
	2-9	5.6	"	3	12	4	16	34	137	24	97	
	2-10	—	"	←		NO Samples					→	
	2-11,12	—	"	←		NO Samples					→	
	2-13	—	"	←		NO Samples					→	
	2-14	7.0	"	3	12	8	32	21	85	25	101	
	2-15	—	"	←		NO Samples					→	
	2-16	—	"	←		NO Samples					→	
	2-17	—	"	←		NO Samples					→	
	2-18,19,20	—	"	←		NO Samples					→	
	2-21	6.8	"	3	12	8	32	18	73	19	77	
	2-22	7.0	417,179	3	10	13	45	17	59	15	52	
	2-23	7.5	" 3.48	3	10	10	35	15	52	12	42	
	2-24	—	"	←		NO Samples					→	
	2-25,26	—	"	←		NO Samples					→	
	2-27	7.1	"	1	3	9	31	10	35	7	24	
	2-28	7.1	"	1	3	10	35	4	14	4	14	
	3-1	4.5	"	1	3	17	59	6	21	3	10	
	3-2	5.0	"	1	3	14	49	3	10	1	3	
	3-3	6.9	"	1	3	8	28	1	3	1	3	
	3-4,5	—	"	←		NO Samples					→	
	3-6	7.1	"	1	3	4	14	4	14	9	31	
	3-7	7.6	"	3	10	10	35	42	146	31	108	
	3-8	7.5	"	2	7	12	42	33	115	21	73	
	3-9	7.4	"	2	7	14	49	28	97	18	63	

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	1-18-83	7.8	283,714	1	2	4	9	1	2	8	19
	1-19	7.3	"	1	2	2	5	1	2	7	17
	1-20	7.1	"	1	2	2	5	2	5	32	76
	1-21,22	—	"	No Sample							
	1-23	7.1	"	1	2	1	2	1	2	13	31
	1-24	7.9	"	2	5	4	9	3	7	17	40
	1-25	7.5	532,321	1	4	6	27	3	13	5	22
	1-26	7.0	" 4.44	1	4	10	44	9	40	23	102
	1-27	7.3	"	1	4	5	22	5	22	18	80
	1-28,29	—	"	No Sample							
	1-30	8.0	"	1	4	1	4	1	4	6	27
	1-31	7.6	"	1	4	3	13	3	13	12	53
	2-1	6.6	"	2	9	13	58	10	44	53	235
	2-2	6.0	"	1	4	13	58	7	31	19	84
	2-3	7.5	"	1	4	9	40	4	18	21	93
	2-4,5	—	"	No Sample							
	2-6	7.6	"	1	4	1	4	1	4	11	49
	2-7	7.5	"	1	4	6	27	2	9	11	49
	2-8	7.5	"	1	4	5	22	2	9	11	49
	2-9	7.7	"	1	4	4	18	2	9	8	36
	2-10	7.4	"	2	9	5	22	4	18	15	67
	2-11,12	—	"	No Sample							
	2-13	7.8	"	1	4	1	4	1	4	6	27
	2-14	8.0	"	1	4	5	22	2	9	9	40
	2-15	7.6	"	2	9	3	13	2	9	8	36
	2-16	7.5	"	2	9	7	31	4	18	14	62
	2-17	7.5	"	1	4	5	22	2	9	7	31
	2-18,19,20	—	"	No Sample							
	2-21	7.6	"	1	4	1	4	1	4	4	18
	2-22	7.5	415,321	2	7	6	21	2	7	23	80
	2-23	7.5	" 3.46	2	7	14	48	1	3	16	55
	2-24	7.7	"	3	10	10	35	5	17	79	273
	2-25,26	—	"	No Sample							
	2-27	7.7	"	1	3	1	3	1	3	7	24
	2-28	7.4	"	1	3	1	3	2	7	42	146
	3-1	7.4	"	1	3	1	3	2	7	57	197
	3-2	7.3	"	1	3	1	3	1	3	16	55
	3-3	7.5	"	1	3	1	3	2	7	14	49
	3-4,5	—	"	No Sample							
	3-6	8.0	"	1	3	1	3	1	3	4	14
	3-7	8.0	"	2	7	7	24	1	3	9	31
	3-8	7.9	"	1	3	9	31	1	3	4	14
	3-9	7.7	"	1	3	4	14	1	3	3	10

CERRO – EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLEC
	3-10	7.6	417,179	2	7	15	52	28	97	21	73	
	3-11,12	—	"	NO Sample								
	3-13	9.5	"	1	3	8	28	19	66	16	56	
	3-14	6.9	"	2	7	18	63	33	115	20	70	
	3-15	6.6	"	20	70	29	101	76	264	136	567	
	3-16	5.8	"	5	17	26	90	39	136	33	115	
	3-17	5.8	"	2	7	5	17	2	7	15	52	
	3-18,19	—	"	NO Sample								
	3-20	6.8	"	3	10	5	17	18	63	22	77	
	3-21	7.1	"	3	10	9	31	11	38	14	49	
	3-22	7.5	397,486	1	3	10	33	11	36	16	53	
	3-23	7.2	"	1	3	4	14	8	27	13	43	
	3-24	6.9	"	1	3	9	30	15	50	24	79	
	3-25,26	—	"	NO SAMPLE								
	3-27	6.9	"	1	3	5	17	2	7	5	17	
	3-28	7.4	"	1	3	1	3	1	3	5	17	
	3-29	7.1	"	1	3	3	10	1	3	4	13	
	3-30	6.6	"	1	3	2	7	1	3	4	13	
	3-31	6.7	"	1	3	2	7	1	3	5	17	
	4-1,2	—	"	NO SAMPLE								
	4-3	6.6	"	1	3	8	27	2	7	8	27	
	4-4	3.7	"	1	3	28	92	9	30	12	40	
	4-5	3.6	"	2	7	38	125	9	30	10	33	
	4-6	4.4	"	1	3	29	79	4	14	6	20	
	4-7,8,9	—	"	NO Sample								
	4-10	5.5	"	1	3	5	17	2	7	5	17	
	4-11	6.1	"	2	7	6	20	46	152	39	129	
	4-12	6.3	"	2	7	3	10	20	66	18	59	
	4-13	5.6	"	2	7	6	20	23	76	6	20	
	4-14	3.6	"	3	10	33	109	36	119	18	59	
	4-15,16	—	"	NO Sample								
	4-17	7.1	"	3	10	6	20	6	20	19	63	
	4-18	—	"	NO SAMPLE								
	4-19	—	"	NO SAMPLE								
	4-20	—	"	NO Sample								
	4-21	—	"	NO Sample								
	4-22,23	—	"	NO Sample								
	4-24	—	"	NO Sample								
	4-25	—	"	NO Sample								
	4-26	—	457,536	NO Sample								
	4-27	—	"	NO Sample								
	4-28	—	"	NO Sample								
	4-29,30	—	"	NO Sample								

CERRO - WEST

DATE COLLECTED	DATE REPRESENTED	PH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
	3-10	7.8	415,321	1	3	4	14	1	3	2	7
	3-11,12	—	"	NO Sample							
	3-13	8.1	"	1	3	1	3	1	3	2	7
	3-14	7.5	"	1	3	4	14	1	3	5	17
	3-15	7.2	"	22	76	21	73	37	128	160	554
	3-16	7.1	"	2	7	5	17	2	7	15	52
	3-17	7.6	"	2	7	6	21	2	7	11	38
	3-18,19	—	"	NO Sample							
	3-20	7.8	"	1	3	1	3	1	3	6	21
	3-21	7.8	"	3	10	6	21	2	7	13	45
	3-22	7.4	290,543	1	2	4	10	2	5	14	34
	3-23	7.4	" 24	1	2	1	2	1	2	16	38
	3-24	7.4	"	1	2	4	10	2	5	18	44
	3-25,26	—	"	NO Sample							
	3-27	7.5	"	1	2	1	2	1	2	16	38
	3-28	7.4	"	1	2	1	2	1	2	24	58
	3-29	7.5	"	1	2	1	2	2	5	28	67
	3-30	7.2	"	1	2	1	2	1	2	16	38
	3-31	6.9	"	2	5	1	2	2	5	13	31
	4-1,2	—	"	NO Sample							
	4-3	7.1	"	1	2	1	2	1	2	5	12
	4-4	7.5	"	1	2	1	2	1	2	4	10
	4-5	7.4	"	1	2	1	2	1	2	6	14
	4-6	7.6	"	1	2	1	2	1	2	4	10
	4-7,8,9	—	"	NO Sample							
	4-10	7.7	"	1	2	1	2	1	2	1	2
	4-11	7.8	"	1	2	1	2	1	2	1	2
	4-12	7.0	"	1	2	1	2	1	2	15	36
	4-13	7.0	"	1	2	1	2	1	2	20	48
	4-14	7.0	"	2	5	1	2	2	5	9	22
	4-15,16	—	"	NO Sample							
	4-17	7.3	"	2	5	1	2	2	5	10	24
	4-18	6.7	"	2	5	1	2	3	7	53	127
	4-19	7.2	"	1	2	1	2	2	5	13	31
	4-20	7.0	"	2	5	2	5	3	7	43	103
	4-21	7.3	"	2	5	2	5	2	5	26	62
	4-22,23	—	"	NO Sample							
	4-24	7.3	"	2	5	1	2	2	5	31	74
	4-25	7.8	"	2	5	3	7	2	5	10	24
	4-26	7.5	347,250	1	3	3	9	1	3	8	23
	4-27	7.5	2.40	2	6	9	26	1	3	10	29
	4-28	7.4		1	3	4	12	1	3	4	12
	4-29,30	—		NO Sample							

CORRO EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECTI
	5-1	—				No Samples						
	5-2	—				No Samples						
	5-3	—				No Samples						
	5-4	—				No Samples						
	5-5	—				No Samples						
	5-6, 7	—				No Samples						
	5-8	—				No Samples						
	5-9	—				No Samples						
	5-10	—				No Samples						
	5-11	—				No Samples						
	5-12	—				No Samples						
	5-13, 14	—				No Samples						
	5-15	—				No Samples						
	5-16	—				No Samples						
	5-17	—				No Samples						
	5-18	—				No Samples						
	5-19	—				No Samples						
	5-20, 21	—				No Samples						
	5-22	—				No Samples						
	5-23	—				No Samples						
	5-24	—				No Samples						
	5-25	—				No Samples						
	5-26	—				No Samples						
	5-27, 28, 29	—				No Samples						
	5-30	—				No Samples						
	5-31	—				No Samples						
	6-1	—				No Samples						
	6-2	—				No Samples						
	6-3, 4	—				No Samples						
	6-5	—				No Samples						
	6-6	—				No Samples						
	6-7	—				No Samples						
	6-8	—				No Samples						
	6-9	—				No Samples						
	6-10, 11	—				No Samples						
	6-12	—				No Samples						
	6-13	—				No Samples						
	6-14	—				No Samples						
	6-15	—				No Samples						
	6-16	—				No Samples						
	6-17, 18	—				No Samples						
	6-19	5.0	308,642 GPD	26	67	20	51	126	350	171	439	
	6-20	—				No Samples						

CERRO WEST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
	5-1	7.7	347, 250	1	3	2	6	1	3	4	12
	5-2	7.7	" 2.9	1	3	5	15	1	3	4	12
	5-3	7.7	"	1	3	5	15	1	3	3	9
	5-4	8.0	"	1	3	4	12	1	3	6	17
	5-5	7.2	"	1	3	1	3	1	3	3	12
	5-6,7	—	"	←		No Sample				→	
	5-8	7.9	"	1	3	1	3	1	3	7	20
	5-9	7.6	"	2	6	1	3	2	6	32	93
	5-10	7.7	"	2	6	2	6	2	6	38	110
	5-11	7.3	"	1	3	2	6	2	6	21	61
	5-12	7.1	"	1	3	1	3	1	3	24	70
	5-13,14	—	"	←		No Sample				→	
	5-15	7.7	"	2	6	1	3	1	3	28	81
	5-16	7.7	"	1	3	11	32	1	3	11	32
	5-17	8.0	"	1	3	7	20	1	3	18	52
	5-18	7.8	"	1	3	2	6	1	3	14	41
	5-19	7.9	"	1	3	3	9	1	3	11	32
	5-20,21	—	"	←		No Sample				→	
	5-22	8.1	"	1	3	1	3	1	3	7	20
	5-23	7.4	"	1	3	1	3	1	3	7	20
	5-24	7.3	262, 786	1	2	1	2	1	2	8	18
	5-25	7.4	" 8.19	1	2	1	2	1	2	13	28
	5-26	7.3	"	1	2	1	2	1	2	9.4	21
	5-27,28,29	—	"	←		No Sample				→	
	5-30	8.0	"	1	2	1	2	1	2	14	31
	5-31	7.9	"	2	4	4	9	1	2	10	22
	6-1	8.0	"	1	2	2	4	1	2	18	39
	6-2	7.3	"	1	2	3	7	1	2	10	22
	6-3,4	—	"	←		No Sample				→	
	6-5	8.0	"	1	2	1	2	1	2	26	57
	6-6	7.8	"	2	4	1	2	2	4	28	61
	6-7	7.9	"	2	4	1	2	1	2	28	61
	6-8	7.9	"	1	2	2	4	1	2	4	9
	6-9	8.1	"	1	2	1	2	3	7	15	33
	6-10,11	—	"	←		No Sample				→	
	6-12	8.3	"	1	2	1	2	1	2	2	4
	6-13	7.5	"	1	2	1	2	1	2	1	2
	6-14	8.2	"	1	2	1	2	1	2	1	2
	6-15	7.9	"	1	2	1	2	2	4	4	9
	6-16	7.4	"	1	2	1	2	1	2	15	33
	6-17,18	—	"	←		No Sample				→	
	6-19	7.9	"	1	2	1	2	1	2	1	2
	6-20	7.5	"	1	2	1	2	2	4	10	22

CERRO EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE COLLECTED
	5-1	—				No Samples						
	5-2	—				No Samples						
	5-3	—				No Samples						
	5-4	—				No Samples						
	5-5	—				No Samples						
	5-6,7	—				No Samples						
	5-8	—				No Samples						
	5-9	—				No Samples						
	5-10	—				No Samples						
	5-11	—				No Samples						
	5-12	—				No Samples						
	5-13,14	—				No Samples						
	5-15	—				No Samples						
	5-16	—				No Samples						
	5-17	—				No Samples						
	5-18	—				No Samples						
	5-19	—				No Samples						
	5-20,21	—				No Samples						
	5-22	—				No Samples						
	5-23	—				No Samples						
	5-24	—				No Samples						
	5-25	—				No Samples						
	5-26	—				No Samples						
	5-27,28,29	—				No Samples						
	5-30	—				No Samples						
	5-31	—				No Samples						
	6-1	—				No Samples						
	6-2	—				No Samples						
	6-3,4	—				No Samples						
	6-5	—				No Samples						
	6-6	—				No Samples						
	6-7	—				No Samples						
	6-8	—				No Samples						
	6-9	—				No Samples						
	6-10,11	—				No Samples						
	6-12	—				No Samples						
	6-13	—				No Samples						
	6-14	—				No Samples						
	6-15	—				No Samples						
	6-16	—				No Samples						
	6-17,18	—				No Samples						
	6-19	6.0	308,642.151	26	67	20	51	126	350	171	439	
	6-20	—				No Samples						

CERRO WEST

Date Collected	Date Represented	pH	Flow	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd
	5-1	7.7	347,250	1	3	2	6	1	3	4	12
	5-2	7.7	" 2.9	1	3	5	15	1	3	4	12
	5-3	7.7	"	1	3	5	15	1	3	3	9
	5-4	8.0	"	1	3	4	12	1	3	6	17
	5-5	7.2	"	1	3	1	3	1	3	3	12
	5-6,7	—	"	←		No Sample					→
	5-8	7.9	"	1	3	1	3	1	3	7	20
	5-9	7.6	"	2	6	1	3	2	6	32	93
	5-10	7.7	"	2	6	2	6	2	6	38	110
	5-11	7.3	"	1	3	2	6	2	6	21	61
	5-12	7.1	"	1	3	1	3	1	3	24	70
	5-13,14	—	"	←		No Sample					→
	5-15	7.7	"	2	6	1	3	1	3	28	81
	5-16	7.7	"	1	3	11	32	1	3	11	32
	5-17	8.0	"	1	3	7	20	1	3	18	52
	5-18	7.8	"	1	3	2	6	1	3	14	41
	5-19	7.9	"	1	3	3	9	1	3	11	32
	5-20,21	—	"	←		No Sample					→
	5-22	8.1	"	1	3	1	3	1	3	7	20
	5-23	7.4	"	1	3	1	3	1	3	7	20
	5-24	7.3	262,786	1	2	1	2	1	2	8	18
	5-25	7.4	" 2.9	1	2	1	2	1	2	13	28
	5-26	7.3	"	1	2	1	2	1	2	9.4	21
	5-27,28,29	—	"	←		No Sample					→
	5-30	8.0	"	1	2	1	2	1	2	14	31
	5-31	7.9	"	2	4	4	9	1	2	10	22
	6-1	8.0	"	1	2	2	4	1	2	18	39
	6-2	7.3	"	1	2	3	7	1	2	10	22
	6-3,4	—	"	←		No Sample					→
	6-5	8.0	"	1	2	1	2	1	2	26	57
	6-6	7.8	"	2	4	1	2	2	4	28	61
	6-7	7.9	"	2	4	1	2	1	2	28	61
	6-8	7.9	"	1	2	2	4	1	2	4	9
	6-9	8.1	"	1	2	1	2	3	7	15	33
	6-10,11	—	"	←		No Sample					→
	6-12	8.3	"	1	2	1	2	1	2	2	4
	6-13	7.5	"	1	2	1	2	1	2	1	2
	6-14	8.2	"	1	2	1	2	1	2	1	2
	6-15	7.9	"	1	2	1	2	2	4	4	9
	6-16	7.4	"	1	2	1	2	1	2	15	33
	6-17,18	—	"	←		No Sample					→
	6-19	7.9	"	1	2	1	2	1	2	1	2
	6-20	7.5	"	1	2	1	2	2	4	10	22

CORRO EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD	DATE COLLECTED
	6-21	—	206,486	←		No Sample					→	
	6-22	—	"	←		No Sample					→	
	6-23	—	"	←		No Sample					→	
	6-24,25	—	"	←		No Sample					→	
	6-26	—	"	←		No Sample					→	
	6-27	—	"	←		No Sample					→	
	6-28	—	"	←		No Sample					→	
	6-29	—	"	←		No Sample					→	
	6-30	—	"	←		No Sample					→	
	7-1,2,3	—	"	←		No Sample					→	
	7-4	—	"	←		No Sample					→	
	7-5	—	"	←		No Sample					→	
	7-6	—	"	←		No Sample					→	
	7-7	—	"	←		No Sample					→	
	7-8,9	—	"	←		No Sample					→	
	7-10	—	"	←		No Sample					→	
	7-11	—	"	←		No Sample					→	
	7-12	—	"	←		No Sample					→	
	7-13	—	"	←		No Sample					→	
	7-14	—	"	←		No Sample					→	
	7-15,16	—	"	←		No Sample					→	
	7-17	—	"	←		No Sample					→	
	7-18	—	"	←		No Sample					→	
	7-19	—	"	←		No Sample					→	
	7-20	—	"	←		No Sample					→	
	7-21	—	"	←		No Sample					→	
	7-22,23	—	"	←		No Sample					→	
	7-24	—	"	←		No Sample					→	
	7-25	—	"	←		No Sample					→	
	7-26	—	188,500 15%	←		No Sample					→	
	7-27	—	"	←		No Sample					→	
	7-28	—	"	←		No Sample					→	
	7-29,30	—	"	←		No Sample					→	
	8-1	4.6	"	34	53	65	102	81	127	148	232	
	8-2	—	"	←		No Sample					→	
	8-3	—	"	←		No Sample					→	
	8-4	2.2	"	4	6	168	264	57	89	229	360	
	8-5,6	—	"	←		No Sample					→	
	8-7	—	"	←		No Sample					→	
	8-8	—	"	←		No Sample					→	
	8-9	—	"	←		No Sample					→	
	8-10	—	"	←		No Sample					→	
	8-11	—	"	←		No Sample					→	

CERRO WEST

Date Collected	Date Represented	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb
	6-21	7.8	424,600 3.5	1	4	5	18	2	7	15	53
	6-22	7.7	"	1	4	4	14	1	4	6	21
	6-23	7.8	"	2	7	3	11	2	7	19	67
	6-24,25	—	"	No Sample							
	6-26	7.7	"	1	4	1	4	1	4	5	18
	6-27	8.1	"	2	7	3	11	2	7	19	67
	6-28	8.3	"	2	7	4	14	1	4	18	63
	6-29	8.3	"	1	4	4	14	1	4	10	35
	6-30	8.0	"	2	7	4	14	2	7	18	63
	7-1,2,3	—	"	No Sample							
	7-4	8.2	"	1	4	1	4	1	4	7	25
	7-5	7.7	"	1	4	5	18	1	4	10	35
	7-6	7.6	"	1	4	6	21	1	4	11	39
	7-7	7.5	"	1	4	6	21	1	4	13	46
	7-8,9	—	"	No Sample							
	7-10	7.7	"	1	4	1	4	1	4	12	42
	7-11	7.4	"	1	4	2	7	1	4	9	32
	7-12	8.1	"	1	4	1	4	1	4	5	18
	7-13	7.1	"	1	4	1	4	1	4	4	14
	7-14	7.7	"	1	4	1	4	1	4	3	11
	7-15,16	—	"	No Sample							
	7-17	7.6	"	1	4	1	4	1	4	8	28
	7-18	7.4	"	1	4	1	4	1	4	4	14
	7-19	7.9	"	1	4	1	4	1	4	4	14
	7-20	7.9	"	1	4	1	4	1	4	8	28
	7-21	7.5	"	2	7	1	4	1	4	8	28
	7-22,23	—	"	No Sample							
	7-24	7.5	"	1	4	1	4	1	4	9	32
	7-25	7.6	"	1	4	1	4	1	4	9	32
	7-26	7.6	425,843 3.55	2	7	1	4	2	7	20	71
	7-27	—	"	No Sample							
	7-28	7.5	"	2	7	1	4	3	11	21	75
	7-29,30	—	"	No Sample							
232	8-1	7.3	"	3	11	1	4	3	11	32	114
	8-2	7.3	"	9	32	1	4	6	21	56	199
	8-3	7.4	"	3	11	3	11	3	11	17	60
60	8-4	7.4	"	4	14	2	7	3	11	19	67
	8-5,6	—	"	No Sample							
	8-7	7.7	"	2	7	1	4	2	7	17	60
	8-8	7.6	"	3	11	2	7	3	11	24	85
	8-9	7.7	"	3	11	2	7	3	11	24	85
	8-10	8.1	"	2	7	1	4	2	7	17	60
	8-11	7.7	"	2	7	1	4	1	4	15	53

CERRO EAST

Date Collection	Date Reproduction	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb	Date Collection
	8-12,13-83	—	188,500 1.51	←		No Sample					→	
	8-14	—	"	←		No Sample					→	
	8-15	3.0	"	8	13	262	411	124	195	204	320	
	8-16	3.2	"	7	11	60	94	92	144	100	157	
	8-17	3.1	"	6	9	95	149	85	133	104	163	
	8-18	3.2	"	5	8	71	111	60	94	153	240	
	8-19,20	—	"	←		No Sample					→	
	8-21	2.7	"	7	11	60	94	70	110	147	231	
	8-22	3.6	"	6	9	27	42	35	55	72	113	
	8-23	3.2	193,400 1.6	5	8	58	93	63	101	80	129	
	8-24	3.7	"	5	8	25	40	70	113	56	90	
	8-25	3.4	"	5	8	24	39	56	90	43	69	
	8-26,27	—	"	←		No Sample					→	
	8-28	6.9	"	16	26	6	10	35	56	92	148	
	8-29	4.2	"	8	13	15	24	59	99	71	114	
	8-30	4.5	"	2	3	7	11	85	137	34	55	
	8-31	3.2	"	7	11	52	84	63	101	88	142	
	9-1	3.6	"	2	3	17	27	53	85	66	106	
	9-2,3,4	—	"	←		No Sample					→	
	9-5	4.0	"	8	13	13	21	31	50	51	82	
	9-6	—	"	←		No Sample					→	
	9-7	3.7	"	7	11	34	55	67	108	85	137	
	9-8	3.8	"	12	19	51	82	41	66	76	122	
	9-9,10	—	"	←		No Sample					→	
	9-11	—	"	←		No Sample					→	
	9-12	4.4	"	6	10	5	8	65	105	54	87	
	9-13	5.8	"	2	3	3	5	25	40	17	27	
	9-14	4.2	"	8	13	6	10	34	55	61	98	
	9-15	4.1	"	2	3	9	14	33	53	39	63	
	9-16,17	—	"	←		No Sample					→	
	9-18	7.4	"	2	3	1	2	1	2	5	8	
	9-19	3.2	"	3	5	49	79	9	14	11	18	
	9-20	3.6	"	2	3	28	45	4	6	10	16	
	9-21	5.6	"	1	2	22	35	2	3	7	11	
	9-22	3.3	"	2	3	57	92	8	13	14	23	
	9-23,24	—	"	←		No Sample					→	
	9-25	3.7	"	10	16	16	26	28	45	58	93	
	9-26	3.3	"	22	35	27	43	57	92	64	103	
	9-27	3.9	217,893 1.22	3	5	5	9	48	87	43	78	
	9-28	4.2	"	5	9	5	9	52	95	47	86	
	9-29	3.0	"	10	18	63	115	96	175	81	147	
	9-30,10-1	—	"	←		No Sample					→	
	10-2	3.7	"	9	16	11	20	35	37	56	102	

CERRO WEST

ppb	Date Collection	Date Representative	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb
→		8-12,13-83	—	425, 893 3.5	←		No Sample					→
→		8-14	7.9	"	1	4	1	4	1	4	14	50
320		8-15	7.6	"	2	7	1	4	1	4	14	50
157		8-16	7.4	"	2	7	1	4	2	7	19	67
163		8-17	7.6	"	2	7	1	4	2	7	11	39
240		8-18	7.9	"	1	4	1	4	1	4	8	24
→		8-19,20	—	"	←		No Sample					→
231		8-21	7.9	"	2	7	1	4	1	4	14	50
113		8-22	7.6	"	2	7	1	4	2	7	14	50
129		8-23	7.7	185, 143 1.54	3	5	1	2	2	3	14	22
90		8-24	7.7	"	1	2	1	2	2	3	11	17
69		8-25	7.7	"	1	2	1	2	2	3	15	23
→		8-26,27	—	"	←		No Sample					→
148		8-28	8.2	"	1	2	1	2	1	2	2	3
114		8-29	8.0	"	2	3	1	2	2	3	6	9
55		8-30	7.8	"	2	3	1	2	2	3	10	15
142		8-31	7.9	"	2	3	1	2	2	3	10	15
106		9-1	7.3	"	2	3	1	2	2	3	7	11
→		9-2,3,4	—	"	←		No Sample					→
82		9-5	7.3	"	2	3	1	2	1	2	3	5
→		9-6	—	"	←		No Sample					→
87		9-7	7.6	"	1	2	1	2	1	2	3	5
122		9-8	8.2	"	1	2	1	2	1	2	3	5
→		9-9,10	—	"	←		No Sample					→
→		9-11	7.5	"	1	2	1	2	1	2	6	9
87		9-12	7.2	"	1	2	1	2	1	2	3	5
27		9-13	7.6	"	1	2	1	2	1	2	13	20
78		9-14	7.4	"	1	2	1	2	1	2	14	22
63		9-15	7.7	"	1	2	1	2	1	2	7	11
→		9-16,17	—	"	←		No Sample					→
8		9-18	8.0	"	1	2	1	2	1	2	14	22
18		9-19	7.0	"	1	2	8	12	1	2	14	22
16		9-20	6.6	"	1	2	7	11	1	2	23	35
11		9-21	6.4	"	1	2	6	9	1	2	19	29
23		9-22	6.3	"	1	2	7	11	1	2	16	25
→		9-23,24	—	"	←		No Sample					→
93		9-25	6.5	"	1	2	1	2	1	2	11	17
103		9-26	6.3	"	1	2	1	2	1	2	26	40
78		9-27	6.3	235, 464	2	4	1	2	3	6	32	63
86		9-28	7.3	" 1.96	2	4	1	2	1	2	20	40
147		9-29	7.0	"	2	4	1	2	1	2	3	6
→		9-30,10-1	—	"	←		No Sample					→
102		10-2	7.1	"	2	4	1	2	2	2	17	34

CERRO EAST

DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb	DATE COLLECTED
	10-3	3.6	217, 843	14	25	17	31	54	98	84	153	
	10-4	5.1	"	11	20	4	7	79	144	92	167	
	10-5	3.2	"	10	18	130	237	122	222	148	269	
	10-6	3.4	"	12	22	37	67	110	200	177	322	
	10-7,8	—	"	No Sample								
	10-9	3.7	"	1	2	20	36	6	11	6	11	
	10-10	3.6	"	14	25	32	58	42	76	61	111	
	10-11	3.6	"	3	5	51	93	75	136	67	122	
	10-12	6.9	"	3	5	1	2	3	5	10	18	
	10-13	3.4	"	11	20	76	138	106	193	180	328	
	10-14,15	—	"	No Sample								
	10-16	4.3	"	4	7	5	9	3	5	4	7	
	10-17	4.0	"	9	16	46	84	55	100	57	104	
	10-18	4.0	"	9	16	32	58	46	84	72	131	
	10-19	—	"	No Sample								
	10-20	—	"	No Sample								
	10-21,22	—	"	No Sample								
	10-23	—	"	No Sample								
	10-24	—	"	No Sample								
	10-25	—	222,143	No Sample								
	10-26	—	"	No Sample								
	10-27	—	"	No Sample								
	10-28,29	—	"	No Sample								
	10-30	—	"	No Sample								
	10-31	—	"	No Sample								
	11-1	—	"	No Sample								
	11-2	—	"	No Sample								
	11-3	—	"	No Sample								
	11-4,5	—	"	No Sample								
	11-6	—	"	No Sample								
	11-7	—	"	No Sample								
	11-8	—	"	No Sample								
	11-9	—	"	No Sample								
	11-10, 11, 12	—	"	No Sample								
	11-13	—	"	No Sample								
	11-14	—	"	No Sample								
	11-15	—	"	No Sample								
	11-16	—	"	No Sample								
	11-17	—	"	No Sample								
	11-18,19	—	"	No Sample								
	11-20	—	"	No Sample								
	11-21	—	"	No Sample								
	11-22	—	"	No Sample								

CORRO WEST

PPM PPD	DATE COLLECTED	DATE REPRESENTED	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
153		10-3	7.2	235,464	2	4	1	2	1	2	19	38
167		10-4	8.1	" 1.96	1	2	1	2	1	2	10	20
269		10-5	7.7	"	1	2	1	2	1	2	9	18
322		10-6	7.8	"	1	2	1	2	1	2	25	49
→		10-7,8	—	"	←		No Sample				→	
11		10-9	8.5	"	1	2	1	2	1	2	10	20
111		10-10	8.0	"	1	2	1	2	1	2	10	20
122		10-11	8.3	"	1	2	1	2	1	2	16	32
18		10-12	8.6	"	1	2	1	2	1	2	10	20
328		10-13	7.9	"	1	2	1	2	1	2	4	8
→		10-14,15	—	"	←		No Sample				→	
7		10-16	7.8	"	1	2	1	2	1	2	5	10
104		10-17	7.7	"	2	4	1	2	1	2	6	12
131		10-18	7.8	"	1	2	1	2	1	2	8	16
→		10-19	8.0	"	2	4	1	2	1	2	11	22
→		10-20	8.2	"	1	2	1	2	1	2	7	14
→		10-21,22	—	"	←		No Sample				→	
→		10-23	8.2	"	2	4	1	2	1	2	16	32
→		10-24	8.1	"	1	2	1	2	1	2	13	26
→		10-25	7.9	113,964	2	2	1	1	1	1	22	21
→		10-26	7.1	"	1	1	1	1	1	1	5	5
→		10-27	7.0	"	1	1	1	1	1	1	14	13
→		10-28,29	—	"	←		No Sample				→	
→		10-30	7.1	"	1	1	1	1	1	1	11	10
→		10-31	7.0	"	1	1	1	1	1	1	7	7
→		11-1	7.0	"	1	1	1	1	1	1	5	5
→		11-2	6.8	"	2	2	1	1	1	1	9	8
→		11-3	7.0	"	1	1	1	1	1	1	8	8
→		11-4,5	—	"	←		No Sample				→	
→		11-6	7.6	"	1	1	1	1	1	1	4	4
→		11-7	7.4	"	1	1	1	1	1	1	12	11
→		11-8	7.3	"	2	2	1	1	1	1	15	14
→		11-9	7.3	"	2	2	1	1	1	1	17	16
→		11-10,11,12	—	"	←		No Sample				→	
→		11-13	7.9	"	1	1	1	1	1	1	3	3
→		11-14	7.8	"	1	1	1	1	1	1	3	3
→		11-15	8.1	"	2	2	1	1	1	1	18	17
→		11-16	7.5	"	1	1	1	1	1	1	3	3
→		11-17	7.7	"	1	1	1	1	1	1	2	2
→		11-18,19	—	"	←		No Sample				→	
→		11-20	7.7	"	1	1	1	1	1	1	3	3
→		11-21	7.7	"	2	2	1	1	1	1	11	10
→		11-22	7.4	130,657	1	1	1	1	1	1	4	4

CERRO EAST

Date Collected	Date Represented	PH	Flow	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD	Date Collected
	11-23,24,25,26	—	273,800				No Sample					
	11-27	—	"				No Sample					
	11-28	—	"				No Sample					
	11-29	—	"				No Sample					
	11-30	—	"				No Sample					
	12-1	—	"				No Sample					
	12-2,3	—	"				No Sample					
	12-4	—	"				No Sample					
	12-5	—	"				No Sample					
	12-6	—	"				No Sample					
	12-7	—	"				No Sample					
	12-8	—	"				No Sample					
	12-9,10	—	"				No Sample					
	12-11	—	"				No Sample					
	12-12	—	"				No Sample					
	12-13	—	"				No Sample					
	12-14	—	"				No Sample					
	12-15	—	"				No Sample					
	12-16,17	—	"				No Sample					
	12-18	—	"				No Sample					
	12-19	—	"				No Sample					
	12-20	—	"				No Sample					
	12-21	—	"				No Sample					
	12-22	—	"				No Sample					
	12-23,24,25	—	"				No Sample					
End 1983	12-26	—	"				No Sample					End 1
Begin 1984	12-27	—	360,429				No Sample					Begin
	12-28	—	" 3.00				No Sample					
	12-29,30,31;1-1	—	"				No Sample					
	1-2-84	—	"				No Sample					
	1-3	—	"				No Sample					
	1-4	—	"				No Sample					
	1-5	—	"				No Sample					
	1-6,7	—	"				No Sample					
	1-8	—	"				No Sample					
	1-9	—	"				No Sample					
	1-10	—	"				No Sample					
	1-11	—	"				No Sample					
	1-12	—	"				No Sample					
	1-13,14	—	"				No Sample					
	1-15	—	"				No Sample					
	1-16	6.7	"	18	54	15	45	58	194	69	207	
	1-17	4.2	"	27	81	45	135	60	180	84	252	

CERRO WEST

Date Collected	Date Reproduction	pH	Flow	Lead PPM	Lead PPB	Nickel PPM	Nickel PPB	Zinc PPM	Zinc PPB	Copper PPM	Copper PPB
	11-23, 24, 25, 26	—	130,657.09	No Sample							
	11-27	7.9	"	1	1	1	1	1	1	4	4
	11-28	7.9	"	3	3	1	1	2	2	30	33
	11-29	8.1	"	3	3	1	1	2	2	19	21
	11-30	7.9	"	4	4	1	1	2	2	22	24
	12-1	7.5	"	1	1	2	2	3	3	26	28
	12-2, 3	—	"	No Sample							
	12-4	8.1	"	2	2	1	1	1	1	6	7
	12-5	7.6	"	2	2	1	1	3	3	25	27
	12-6	7.6	"	3	3	1	1	3	3	23	25
	12-7	7.6	"	2	2	1	1	2	2	18	20
	12-8	7.7	"	2	2	1	1	1	1	11	12
	12-9, 10	—	"	No Sample							
	12-11	7.9	"	1	1	1	1	1	1	2	2
	12-12	7.6	"	2	2	6	7	2	2	20	22
	12-13	7.7	"	2	2	8	9	2	2	20	22
	12-14	7.7	"	2	2	8	9	1	1	19	21
	12-15	7.5	"	2	2	1	1	2	2	24	26
	12-16, 17	—	"	No Sample							
	12-18	8.0	"	1	1	1	1	1	1	3	3
	12-19	—	"	No Sample							
	12-20	8.0	"	1	1	1	1	1	1	7	8
	12-21	7.8	"	1	1	1	1	1	1	4	4
	12-22	8.0	"	1	1	1	1	1	1	6	7
	12-23, 24, 25	—	"	No Sample							
Rain 1969	12-26	8.1	"	1	1	1	1	1	1	2	3
Rain 1969	12-27	8.3	155,179	1	1	1	1	1	1	2	3
	12-28	7.8	"	1	1	1	1	1	1	2	3
	12-29, 30, 31; 1-1	—	"	No Sample							
	1-2	8.2	"	1	1	1	1	1	1	1	1
	1-3	7.9	"	1	1	1	1	1	1	2	3
	1-4	7.9	"	1	1	1	1	1	1	2	3
	1-5	7.8	"	1	1	1	1	1	1	2	3
	1-6, 7	—	"	No Sample							
	1-8	8.2	"	1	1	1	1	1	1	1	1
	1-9	7.9	"	1	1	5	7	1	1	3	4
	1-10	8.3	"	1	1	8	10	1	1	3	4
	1-11	8.0	"	1	1	6	8	1	1	1	1
	1-12	7.9	"	1	1	3	4	1	1	1	1
	1-13, 14	—	"	No Sample							
	1-15	8.1	"	1	1	5		1	1	2	3
	1-16	7.9	"	1	1	2	3	1	1	2	3
	1-17	7.9	"	1	1	2	3	1	1	2	3

CERRO EAST

Date Collected	Date Remediated	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb	Date Filter
	1-18	3.7	360, 429	61	183	44	132	58	174	90	270	
	1-19	2.8	"	22	66	53	159	42	126	63	189	
	1-20,21	—	"	←		No Sample					→	
	1-22	3.6	"	10	30	10	30	9	27	16	48	
	1-23	3.6	"	16	48	11	33	16	48	48	144	
	1-24	2.7	363, 393	13	39	48	144	20	60	72	216	
	1-25	3.8	"	35	105	13	39	48	144	57	171	
	1-26	4.0	"	10	30	12	36	14	42	19	57	
	1-27,28	—	"	←		No Sample					→	
	1-29	4.5	"	13	39	8	24	16	48	43	132	
	1-30	—	"	←		No Sample					→	
	1-31	3.4	"	21	63	32	96	64	192	65	195	
	2-2	3.9	"	26	78	16	48	84	252	57	171	
	2-3	3.8	"	9	27	29	87	32	96	18	54	
	2-4	—	"	←		No Sample					→	
	2-5	4.2	"	1	3	8	24	2	6	3	9	
	2-6	4.4	"	1	3	15	45	3	9	2	6	
	2-7	5.0	"	1	3	13	39	2	6	4	12	
	2-8	2.8	"	3	9	55	165	12	36	11	33	
	2-9	3.9	"	2	6	26	78	6	18	16	48	
	2-10,11	—	"	←		No Sample					→	
	2-12	6.3	"	2	6	4	12	3	9	17	51	
	2-13	4.9	"	1	3	8	24	1	3	4	12	
	2-14	4.0	"	1	3	28	84	2	6	14	42	
	2-15	4.1	"	1	3	31	93	5	15	9	27	
	2-16	6.6	"	2	6	10	30	2	6	6	18	
	2-17,18	—	"	←		No Sample					→	
	2-19	4.0	"	2	6	5	15	2	6	5	15	
	2-20	4.3	"	13	39	5	15	20	30	35	105	
	2-21	3.5	399, 657	26	87	14	47	72	240	58	193	
	2-22	2.5	"	26	87	72	240	54	180	67	223	
	2-23,24,25,26,27	—	"	←		No Sample					→	
	2-28	4.4	"	21	70	9	30	23	77	48	160	
	2-29	3.7	"	27	90	15	50	50	167	71	236	
	3-1	—	"	←		No Sample					→	
	3-2,3	—	"	←		No Sample					→	
	3-4	—	"	←		No Sample					→	
	3-5	—	"	←		No Sample					→	
	3-6	—	"	←		No Sample					→	
	3-7	—	"	←		No Sample					→	
	3-8	3.2	"	19	63	40	133	20	67	50	167	
	3-9,10	—	"	←		No Sample					→	
	3-11	2.6	"	9	30	96	320	33	110	51	170	

CERRO WEST

[illegible] PPD	DATE Collection	DATE Represented	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
270		1-18-84	8.0	155,179	1	1	1	1	1	1	3	4
189		1-19-84	7.8	" 13	1	1	2	3	1	1	12	16
→		1-20, 21	—	"	←		No Sample					→
48		1-22	7.5	"	1	1	1	1	1	1	8	10
144		1-23	7.2	"	2	3	1	1	1	1	17	22
216		1-24	7.5	211,929	1	2	1	2	1	2	12	21
171		1-25	7.1	" 177	2	4	1	2	2	4	25	44
57		1-26	7.1	"	4	7	1	2	3	5	25	44
→		1-27, 28	—	"	←		No Sample					→
132		1-29	7.7	"	3	5	1	2	2	4	18	32
→		1-30	—	"	←		No Sample					→
195		1-31, ~~[illegible]~~	7.5	"	2	4	1	2	3	5	17	30
171		2-2	7.5	"	2	4	1	2	3	5	32	57
54		2-3	7.4	"	2	4	1	2	2	4	20	35
→		2-4	—	"	←		No Sample					→
9		2-5	7.7	"	2	4	1	2	2	4	12	21
6		2-6	7.6	"	2	4	1	2	2	4	19	34
12		2-7	7.8	"	2	4	1	2	2	4	14	25
33		2-8	7.4	"	1	2	1	2	2	4	16	28
48		2-9	7.9	"	2	4	1	2	3	5	17	30
→		2-10, 11	—	"	←		No Sample					→
51		2-12	7.6	"	1	2	1	2	2	4	11	19
12		2-13	7.6	"	2	4	1	2	2	4	14	25
42		2-14	7.5	"	2	4	1	2	3	5	14	25
27		2-15	7.6	"	2	4	2	4	2	4	14	25
18		2-16	7.7	"	3	5	3	5	3	5	17	30
→		2-17, 18	—	"	←		No Sample					→
15		2-19	7.9	"	3	5	1	2	3	5	25	44
105		2-20	7.4	"	3	5	1	2	3	5	17	30
193		2-21	7.6	228,686	2	4	1	2	3	6	15	28
223		2-22	7.5	" 19	2	4	1	2	3	6	20	38
→		2-23, 24, 25, 26, 27	—	"	←		No Sample					→
160		2-28	—	"	←		No Sample					→
236		2-29	6.9	"	3	6	1	2	3	6	27	51
→		3-1	6.7	"	4	8	1	2	4	8	34	65
→		3-2, 3	—	"	←		No Sample					→
→		3-4	7.7	"	2	4	1	2	2	4	19	36
→		3-5	7.6	"	2	4	1	2	3	6	26	49
→		3-6	7.5	"	2	4	1	2	3	6	22	42
→		3-7	7.5	"	3	6	1	2	3	6	41	78
167		3-8	7.8	"	2	4	4	8	2	4	17	32
→		3-9, 10	—	"	←		No Sample					→
170		3-11	7.0	"	3	6	4	8	5	10	22	42

CERRO EAST

DATE COLLECTED	DATE REPRESENTING	pH	FLOW	LEAD PPM	LEAD PPB	NICKEL PPM	NICKEL PPB	ZINC PPM	ZINC PPB	COPPER PPM	COPPER PPB	DATE COLLECTED
	3-12-84	2.7	399, 657	14	47	40	133	50	167	90	300	
	3-13	2.3	" 222	20	67	72	240	48	160	73	243	
	3-14	2.7	"	20	67	49	163	86	286	82	273	
	3-15	2.5	"	20	67	72	240	80	266	74	246	
	3-16,17	—	"	No Sample								
	3-18	3.9	"	10	33	20	67	18	60	22	73	
	3-19	2.8	"	10	33	36	120	24	80	40	133	
	3-20	2.6	"	11	37	15	50	50	167	33	110	
	3-21	2.7	"	12	40	54	180	45	150	52	173	
	3-22	3.0	"	16	53	21	70	59	196	55	183	
	3-23,24	—	"	No Sample								
	3-25	3.0	"	2	7	16	53	4	13	4	13	
	3-26	3.6	"	2	7	20	67	4	13	6	20	
	3-27	2.4	398, 393	2	7	100	332	20	66	26	86	
	3-28	2.7	" 222	3	10	47	156	11	37	27	90	
	3-29	3.4		1	3	37	123	7	23	21	70	
	3-30,31	—		No Sample								
	4-1	4.1		3	10	8	27	10	33	10	33	
	4-2	4.0		8	27	14	46	41	136	59	196	
	4-3	4.6		5	17	9	30	26	86	37	123	
	4-4	2.4		6	20	91	302	88	292	88	292	
	4-5	2.8		16	53	26	86	83	276	96	319	
	4-6,7	—		No Sample								
	4-8	3.1		23		27	90	59	196	56	186	
	4-9	3.1		6	20	24	80	21	70	13	23	
	4-10	3.9		8	27	19	63	59	196	20	66	
	4-11	2.4		6	20	94	312	72	239	20	66	
	4-12	2.5		4	13	83	276	62	206	16	53	
	4-13,14	—		No Sample								
	4-15	3.4		4	13	42	139	30	100	24	80	
	4-16	3.6		4	13	26	86	35	116	21	70	
	4-17	4.0		7	23	31	103	46	153	21	70	
	4-18	4.2		6	1	19	63	28	93	23	76	
	4-19	4.2		4	13	23	76	38	126	23	76	
	4-20,21	—		No Sample								
	4-22	5.3		4	13	6	20	14	46	10	33	
	4-23	—		No Sample								
	4-24	—	342, 536	No Sample								
	4-25	4.2	" 29	8	23	16	46	59	171	14	41	
	4-26	4.2	"	14	41	10	29	38	110	24	70	
	4-27,28	—	"	No Sample								
	4-29	4.7	"	29	84	20	58	29	84	40	116	
	4-30	3.1	"	12	35	103	299	78	226	42	122	

CERRO WEST

PPM PPD	Date Collection	Date Representation	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	SINC PPM	SINC PPD	COPPER PPM	COPPER PPD
300		3-12-84	7.7	228,686	4	8	1	2	4	8	28	53
243		3-13	7.5	" 1.5	4	8	1	2	3	6	28	53
273		3-14	7.4	"	2	4	1	2	2	4	20	38
246		3-15	7.4	"	2	4	1	2	3	6	20	38
→		3-16,17	—	"	←		No Sample					→
73		3-18	7.4	"	1	2	1	2	3	6	14	27
133		3-19	7.4	"	2	4	1	2	2	4	12	23
110		3-20	7.6	"	2	4	1	2	2	4	16	30
173		3-21	7.3	"	2	4	1	2	2	4	22	42
183		3-22	6.9	"	2	4	1	2	3	6	10	19
→		3-23,24	—	"	←		No Sample					→
13		3-25	7.3	"	2	4	1	2	1	2	30	57
20		3-26	7.3	"	2	4	1	2	3	6	35	67
86		3-27	7.2	142,107 1.18	3	3	1	1	3	3	18	21
90		3-28	7.5	"	1	1	1	1	2	2	9	11
70		3-29	7.2	"	2	2	1	1	2	2	25	30
→		3-30, 31	—	"	←		No Sample					→
33		4-1	7.8	"	2	2	1	1	2	2	12	14
196		4-2	7.7	"	1	1	1	1	1	1	6	7
123		4-3	7.4	"	1	1	1	1	2	2	13	15
292		4-4	7.5	"	3	3	1	1	3	3	31	37
319		4-5	7.5	"	2	2	1	1	3	3	18	21
→		4-6,7	—	"	←		No Sample					→
186		4-8	7.9	"	1	1	1	1	1	1	7	8
23		4-9	6.7	"	1	1	1	1	7	8	34	40
66		4-10	8.0	"	1	1	2	2	1	1	11	13
66		4-11	7.4	"	2	2	2	2	3	3	29	34
53		4-12	7.4	"	1	1	1	1	2	2	6	7
→		4-13,14	—	"	←		No Sample					→
80		4-15	8.0	"	3	3	1	1	6	7	30	35
70		4-16	8.0	"	2	2	1	1	3	3	20	24
70		4-17	7.8	"	3	3	1	1	3	3	27	32
76		4-18	7.8	"	3	3	1	1	3	3	35	41
76		4-19	7.7	"	2	2	1	1	4	5	23	27
→		4-20,21	—	"	←		No Sample					→
33		4-22	8.6	"	1	1	1	1	1	1	7	8
→		4-23	8.7	"	1	1	1	1	1	1	2	2
→		4-24	8.1	147,857 1.2	1	1	1	1	1	1	2	2
41		4-25	7.7	"	1	1	1	1	1	1	3	4
70		4-26	7.7	"	1	1	1	1	1	1	4	5
→		4-27,28	—	"	←		No Sample					→
116		4-29	7.4	"	1	1	1	1	4	5	18	22
122		4-30	7.9	"	2	2	1	1	2	2	19	23

CURRO EAST

Date Collection	Date Representation	pH	Flow	Lead PPM	PPD	Nickel PPM	PPD	Zinc PPM	PPD	Copper PPM	PPD	Date Collection
	5-1 — 4	5.0	342,536	6	7	20	58	16	46	12	35	
	5-2	2.8	" 19	4	5	55	160	16	46	66	191	
	5-3	2.3	"	1	3	89	258	26	75	8	23	
	5-4,5	—	"	←		No Sample					→	
	5-6	4.6	"	1	3	6	7	2	6	8	23	
	5-7	4.7	"	2	6	11	32	3	9	17	49	
	5-8	4.3	"	1	3	11	32	3	9	8	23	
	5-9	2.4	"	2	6	136	394	51	148	11	32	
	5-10	3.3	"	1	3	21	61	7	20	5	15	
	5-11,12	—	"	←		No Sample					→	
	5-13	—	"	←		No Sample					→	
	5-14	3.7	"	26	75	14	41	61	176	80	232	
	5-15	3.5	"	17	49	33	96	36	104	50	145	
	5-16	3.7	"	33	96	17	49	69	200	98	284	
	5-17	4.0	"	17	49	10	29	88	255	42	122	
	5-18	6.1	"	9	26	2	6	8	23	18	57	
	5-19,20	—	"	←		No Sample					→	
	5-21	3.7	"	18	52	24	70	92	267	56	162	
	5-22	3.9	322,457 22	4	11	14	38	33	89	23	62	
	5-23	3.3	"	8	22	77	208	78	211	49	132	
	5-24	3.5	"	11	30	34	92	49	132	32	86	
	5-25,26	—	"	←		No Sample					→	
	5-27	5.0	"	20	54	5	14	29	78	33	89	
	5-28	2.8	"	12	32	55	149	60	162	95	257	
	5-29	3.3	"	5	14	40	108	69	186	39	105	
	5-30	3.9	"	4	11	13	35	47	127	16	43	
	5-31	3.5	"	8	22	30	81	80	216	17	46	
	6-1,2	—	"	←		No Sample					→	
	6-3	3.7	"	8	22	15	41	42	113	24	65	
	6-4	3.8	"	5	14	21	57	63	170	16	43	
	6-5	4.5	"	8	22	10	27	30	81	12	32	
	6-6	3.5	"	8	22	19	51	62	167	26	70	
	6-7	3.6	"	10	27	21	57	118	319	88	238	
	6-8,9	—	"	←		No Sample					→	
	6-10	7.0	"	19	51	2	5	36	97	33	89	
	6-11	4.2	"	22	59	15	41	68	184	76	205	
	6-12	3.7	"	20	54	32	86	68	184	66	178	
	6-13	3.5	"	21	57	28	76	64	173	72	194	
	6-14	2.6	"	6	16	182	491	98	265	131	354	
	6-15,16	—	"	←		No Sample					→	
	6-17	4.1	"	10	27	6	16	21	57	29	78	
	6-18	3.9	"	11	30	13	35	56	151	59	159	
	6-19	4.0	"	10	27	12	32	63	170	52	140	

CERRO WEST

PPD	Date Collection	Date Representation	PH	Flow	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD
35		5-1-84	7.6	147,857 1.2	1	1	1	1	4	5	21	13
191		5-2	7.4	"	2	2	1	1	3	4	23	28
23		5-3	7.1	"	3	4	1	1	5	6	37	44
→		5-4,5	—	"	←		No Sample					→
23		5-6	7.0	"	1	1	1	1	4	5	13	16
49		5-7	7.1	"	2	2	1	1	5	6	20	12
23		5-8	7.1	"	2	2	1	1	6	7	23	28
32		5-9	7.5	"	2	2	1	1	5	6	20	12
15		5-10	7.8	"	2	2	1	1	6	7	26	31
→		5-11,12	—	"	←		No Sample					→
→		5-13	7.5	"	1	1	1	1	5	6	27	32
232		5-14	7.4	"	1	1	1	1	5	6	21	13
145		5-15	7.3	"	2	2	1	1	6	7	24	29
284		5-16	7.3	"	3	4	1	1	7	8	36	43
122		5-17	7.4	"	3	4	1	1	5	6	31	37
52		5-18	7.2	"	1	1	1	1	4	5	16	19
→		5-19,20	—	"	←		No Sample					→
162		5-21	7.6	"	2	2	1	1	4	5	23	28
62		5-22	7.3	293,342 2.4	2	5	1	2	5	12	26	62
132		5-23	7.3	"	3	7	1	2	6	14	59	142
86		5-24	6.6	"	4	10	1	2	8	19	71	190
→		5-25,26	—	"	←		No Sample					→
89		5-27	7.7	"	1	2	1	2	1	2	5	12
257		5-28	7.8	"	1	2	1	2	1	2	4	10
105		5-29	7.7	"	1	2	1	2	1	2	4	10
43		5-30	7.5	"	1	2	1	2	1	2	3	7
46		5-31	8.4	"	1	2	1	2	1	2	2	5
→		6-1,2	—	"	←		No Sample					→
65		6-3	8.0	"	1	2	1	2	1	2	10	24
43		6-4	7.6	"	2	5	1	2	3	7	21	50
32		6-5	7.2	"	2	5	1	2	6	14	56	134
70		6-6	7.3	"	4	10	1	2	8	19	43	103
238		6-7	7.3	"	2	2	1	2	6	14	43	103
→		6-8,9	—	"	←		No Sample					→
89		6-10	8.1	"	1	2	1	2	1	2	7	17
205		6-11	7.7	"	1	2	1	2	4	10	26	62
178		6-12	7.9	"	1	2	1	2	3	7	23	55
194		6-13	7.7	"	1	2	1	2	2	5	19	46
354		6-14	7.3	"	2	5	1	2	8	19	57	137
→		6-15,16	—	"	←		No Sample					→
78		6-17	7.7	"	1	2	1	2	3	7	17	41
159		6-18	8.0	"	1	2	1	2	7	17	56	134
140		6-19	7.5	"	2	5	1	2	9	22	79	190

CERRO - EAST

Date Collected	Date Remarks	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb	Date Collected
	6-20-84	4.0	322, 457 2.1	8	22	13	35	50	135	39	105	
	6-21	5.5	"	7	19	4	11	31	84	31	84	
	6-22,23	—	"	No Sample								
	6-24	7.9	"	1	3	2	5	1	3	4	11	
	6-25	4.3	"	15	41	8	22	3	8	6	16	
	6-26	3.8	338, 857 2.83	8	23	29	82	9	25	8	23	
	6-27	3.5	"	3	8	76	215	18	51	9	25	
	6-28	3.6	"	2	6	85	241	18	51	10	28	
	6-29,30	—	"	No Sample								
	7-1	5.0	"	5	14	6	17	9	25	9	25	
	7-2	4.4	"	7	20	6	17	18	51	16	45	
	7-3	—	"	No Sample								
	7-4	3.0	"	5	14	12	34	12	34	21	59	
	7-5	3.3	"	5	14	26	74	97	275	51	144	
	7-6, 7	—	"	No Sample								
	7-8	—	"	No Sample								
	7-9	3.7	"	6	17	58	164	81	229	54	153	
	7-10	3.9	"	13	37	43	122	120	340	90	255	
	7-11	—	"	No Sample								
	7-12	—	"	No Sample								
	7-13,14	—	"	No Sample								
	7-15	6.6	"	10	28	4	11	70	198	31	88	
	7-16	6.9	"	3	8	5	14	8	23	15	42	
	7-17	3.7	"	4	11	17	48	24	68	27	76	
	7-18	4.5	"	27	76	5	14	51	144	59	167	
	7-19	4.1	"	11	31	7	20	21	59	21	59	
	7-20,21	—	"	No Sample								
	7-22	3.4	"	11	31	22	62	46	130	39	110	
	7-23	3.7	"	9	25	12	34	19	54	28	79	
	7-24	3.9	306, 657 2.5	6	15	7	18	1	3	25	63	
	7-25	3.7	"	10	25	12	30	49	123	41	103	
	7-26	3.4	"	13	33	27	68	47	118	39	98	
	7-27,28	—	"	No Sample								
	7-29	7.5	"	1	3	1	3	1	3	4	10	
	7-30	7.4	"	2	5	4	10	1	3	5	13	
	7-31	6.9	"	2	5	4	10	2	5	7	18	
	8-1	7.2	"	1	3	6	15	2	5	6	15	
	8-2	4.0	"	3	8	12	30	9	23	13	33	
	8-3	—	"	No Sample								
	8-4	—	"	No Sample								
	8-5	7.7	"	3	8	1	3	9	23	36	190	
	8-6	6.1	"	14	35	1	3	38	95	37	93	
	8-7	2.7	"	5	13	1	3	48	120	42	105	

CERRO-WEST

[illegible] PPD	Date Collection	Date Representation	pH	Flow	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD
105		6-20-84	7.7	293,342 2.4	2	5	1	2	5	12	52	125
84		6-21	7.8	"	1	2	1	2	5	12	32	77
→		6-22,23	—	"	←		No Sample					→
11		6-24	8.0	"	1	2	1	2	5	12	26	62
16		6-25	7.8	"	1	2	1	2	4	10	34	82
23		6-26	7.7	331,000 2.76	2	6	1	3	4	11	48	132
25		6-27	7.4	"	2	6	1	3	7	19	47	130
28		6-28	8.0	"	2	6	1	3	10	28	37	102
→		6-29,30	—	"	←		No Sample					→
25		7-1	8.0	"	1	3	1	3	1	3	5	14
45		7-2	8.4	"	1	3	1	3	1	3	5	14
→		7-3	—	"	←		No Sample					→
59		7-4	7.9	"	1	3	2	6	1	3	12	33
44		7-5	8.3	"	1	3	1	3	1	3	4	11
→		7-6,7	—	"	←		No Sample					→
→		7-8	8.4	"	1	3	1	3	1	3	3	8
53		7-9	8.3	"	1	3	1	3	1	3	4	11
255		7-10	8.5	"	1	3	1	3	1	3	4	11
→		7-11	8.2	"	1	3	1	3	1	3	3	8
→		7-12	7.9	"	1	3	1	3	1	3	2	6
→		7-13,14	—	"	←		No Sample					→
38		7-15	7.8	"	1	3	1	3	1	3	4	11
42		7-16	7.3	"	1	3	1	3	1	3	5	14
76		7-17	7.6	"	2	6	1	3	2	6	15	41
167		7-18	8.2	"	2	6	1	3	1	3	17	47
59		7-19	8.0	"	1	3	1	3	1	3	11	30
→		7-20,21	—	"	←		No Sample					→
10		7-22	8.3	"	1	3	1	3	1	3	6	17
79		7-23	8.4	"	1	3	1	3	1	3	5	14
63		7-24	8.1	242,857 2.02	1	2	1	2	4	8	23	46
03		7-25	8.0	"	2	4	1	2	5	10	51	102
98		7-26	8.0	"	1	2	1	2	3	6	31	62
→		7-27,28	—	"	←		No Sample					→
0		7-29	7.9	"	1	2	1	2	4	8	26	52
3		7-30	6.1	"	4	8	1	2	18	36	121	242
8		7-31	7.2	"	3	6	1	2	8	16	46	92
15		8-1	7.2	"	3	6	1	2	12	24	67	134
33		8-2	—	"	←		No Sample					→
→		8-3	7.1	"	4	8	1		9	18	55	110
→		8-4	—	"	←		No Sample					→
10		8-5	7.8	"	3	6	1	2	9	18	53	106
13		8-6	7.2	"	4	8	1	2	12	24	77	154
05		8-7	7.4	"	4	8	1	2	10	20	77	154

CERRO - EAST

Date Collected	Date Represented	pH	Flow	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd
	8-8-84	3.7	301,657	19	48	19	48	94		64	160
	8-9	—	"	←		No Sample					→
	8-10,11	—	"	←		No Sample					→
	8-12	6.2	"	36	90	5	13	44	110	61	153
	8-13	—	"	←		No Sample					→
	8-14	—	"	←		No Sample					→
	8-15	—	"	←		No Sample					→
	8-16	3.1	"	14	35	55		40	100	78	195
	8-17,18	—	"	←		No Sample					→
	8-19	6.7	"	1	3	5	13	1	3	4	10
	8-20	6.8	"	7		10	25	15	38	19	48
	8-21	4.9	"	14	35	9	23	18	45	42	105
	8-22	5.5	"	21	53	7	18	70	175	46	115
	8-23	3.2	"	18	45	45	113	53	133	50	125
	8-24,25	—	"	←		No Sample					→
	8-26	7.4	"	1	3	3	8	2	5	8	20
	8-27	3.9	"	17	43	19	48	31	78	36	90
	8-28	3.8	312,036 2.6	13	34	28	73	22	57	17	44
	8-29	3.1	"	5	13	49	127	17	44	45	117
	8-30	2.3	"	4	10	155	403	76	198	100	260
	8-31,9-1,2	—	"	←		No Sample					→
	9-3	3.7	"	18	47	13	34	28	73	29	75
	9-4	3.5	"	12	31	27	70	39	101	37	96
	9-5	3.7	"	18	47	24	62	23	60	27	70
	9-6	2.7	"	17	44	59	153	58	150	104	270
	9-7,8	—	"	←		No Sample					→
	9-9	7.6	"	2	5	2	5	10	26	8	21
	9-10	3.7	"	10	26	38	101	29	75	37	96
	9-11	4.2	"	13	34	12	31	18	47	28	73
	9-12	4.7	"	13	34	4	10	18	47	30	78
	9-13	4.6	"	12	31	9	23	15	39	47	122
	9-14,15	—	"	←		No Sample					→
	9-16	7.9	"	1	3	1	3	1	3	7	18
	9-17	5.4	"	2	5	9	23	4	10	912	2371
	9-18	3.9	"	1	3	19	49	6	16	8	21
	9-19	7.5	"	2	5	5	13	2	5	5	13
	9-20	3.5	"	1	3	92		22	57	11	29
	9-21,22	—	"	←		No Sample					→
	9-23	4.9	"	6	16	7	18	22	57	19	49
	9-24	5.2	"	35	91	9	23	49	127	64	166
	9-25	4.2	308,112 2.6	26	68	20	52	58	151	70	182
	9-26	4.0		20	52	13	34	50	130	65	169
	9-27	3.8		33	86	30	78	76	198	102	265

CURRO - WEST

Copper ppb	Date Collected	Date Reported	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb
160		8-8-84	6.3	242,857	4	8	1	2	11	22	107	214
→		8-9	7.2	"	4	8	1	2	7	14	67	134
→		8-10,11	—	"	←		No Sample					→
153		8-12	7.5	"	5	10	1	2	12	24	92	184
→		8-13	7.1	"	6	12	1	2	19	38	99	198
→		8-14	6.1	"	4	8	1	2	13	26	159	318
→		8-15	6.0	"	6	12	1	2	12	24	173	346
195		8-16	6.1	"	4	4	1	2	7	14	153	306
→		8-17,18	—	"	←		No Sample					→
10		8-19	6.3	"	4	8	1	2	9	9	125	250
48		8-20	8.1	"	2	4	1	2	2	4	24	48
105		8-21	6.4	"	1	2	1	2	6	12	85	170
115		8-22	7.0	"	5	10	1	2	9	18	93	186
125		8-23	5.9	"	8	16	1	2	17	34	201	402
→		8-24,25	—	"	←		No Sample					→
20		8-26	6.5	"	4	8	1	2	7	14	77	154
90		8-27	5.6	"	5	10	1	2	11	22	104	208
44		8-28	7.3	242,857 202	4	12	1	2	12	24	88	176
117		8-29	7.4	"	3	6	1	2	6	12	56	112
260		8-30	8.5	"	2	4	1	2	3	6	29	58
→		8-31,9-1,2	—	"	←		No Sample					→
75		9-3	8.4	"	1	2	1	2	1	2	3	6
96		9-4	8.5	"	1	2	1	2	1	2	3	6
70		9-5	8.4	"	1	2	1	2	1	2	4	8
270		9-6	8.1	"	1	2	1	2	1	2	3	6
→		9-7,8	—	"	←		No Sample					→
21		9-9	7.8	"	1	2	1	2	9	18	67	134
96		9-10	8.0	"	1	2	1	2	2	4	28	56
73		9-11	8.1	"	1	2	1	2	1	2	8	16
78		9-12	6.1	"	4	8	2	4	18	36	197	394
122		9-13	6.4	"	4	8	1	2	13	26	101	202
→		9-14,15	—	"	←		No Sample					→
18		9-16	7.9	"	2	4	1	2	8	16	52	104
2371		9-17	7.1	"	3	6	1	2	8	16	73	146
21		9-18	6.3	"	10	20	1	2	14	28	100	200
13		9-19	6.3	"	6	12	1	2	14	28	94	188
29		9-20	7.2	"	3	6	1	2	8	16	46	92
→		9-21,22	—	"	←		No Sample					→
49		9-23	8.5	"	1	2	1	2	1	2	5	10
166		9-24	7.0	"	3	6	1	2	9	18	83	186
182		9-25	7.0	242,857	2	4	1	2	9	18	69	138
169		9-26	6.9	" 202	3	6	1	2	10	20	80	160
265		9-27	7.2	"	3	6	1	2	10	20	85	170

CURRO - EAST

Date Represented	pH	Flow, gpm	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd	Date
9-28,29	—	308,112	No Sample								
9-30	8.0	"	16	42	1	3	27	70	44	114	
10-1-84	7.3	"	74	192	3	8	97	252	102	265	
10-2	4.2	"	39	101	23	60	65	161	68	177	
10-3	3.9	"	47	122	18	47	79	205	72	187	
10-4	3.9	"	49	127	79	205	17	44	93	242	
10-5,6	—	"	No Sample								
10-7	5.9	"	23	60	7	18	41	107	41	107	
10-8	7.2	"	29	75	8	21	36	94	52	135	
10-9	4.2	"	55	143	21	55	109	283	68	177	
10-10	2.4	"	35	91	90	234	89	231	58	151	
10-11	2.6	"	13	34	94	244	48	125	39	101	
10-12	—	"	No Sample								
10-13	—	"	No Sample								
10-14	6.6	"	1	3	4	10	1	3	2	5	
10-15	6.9	"	1	3	1	3	1	3	2	5	
10-16	6.3	"	1	3	5	13	2	5	8	21	
10-17	5.3	"	1	3	7	18	2	5	3	8	
10-18	4.4	"	2	5	11	29	3	8	12	31	
10-19,20	—	"	No Sample								
10-21	7.7	"	18	47	2	5	33	86	40	104	
10-22	3.5	"	8	21	77	200	31	81	29	75	
10-23	—	475, 257	No Sample				75				
10-24	5.0	" 246	56	224	7	28	75	300	50	200	
10-25	3.9	"	56	224	28	112	71	284	53	212	
10-26,27	—	"	No Sample								
10-28	6.3	"	43	172	3	12	41	164	53	212	
10-29	5.4	"	51	204	11	44	67	268	55	220	
10-30	2.8	"	11	44	83	332	33	132	180	720	
10-31	3.5	"	56	224	55	220	103	412	112	448	
11-1	4.3	"	43	172	15	60	51	204	69	276	
11-2,3	—	"	No Sample								
11-4	—	"	No Sample								
11-5	—	"	No Sample								
11-6	3.9	"	28	112	21	84	44	176	50	200	
11-7	3.4	"	26	104	45	180	50	200	71	284	
11-8	4.1	"	37	148	19	76	46	184	65	260	
11-9,10,11	—	"	No Sample								
11-12	—	"	No Sample								
11-13	4.0	"	31	124	11	44	47	188	49	196	
11-14	3.9	"	43	172	17	68	64	256	86	344	
11-15	3.5	"	30	120	25	100	44	176	52	208	
11-16,17	—	"	No Sample								

CERRO - WEST

PPD	Date Represented	pH	Flow, GPD	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD
→	9-28,29	—	242,857	←			No Sample				→
14	9-30	7.4	"	2	4	1	2	9	18	57	104
265	10-1-84	8.3	"	4	8	1	2	4	8	57	104
177	10-2	7.0	"	3	6	1	2	9	18	78	156
187	10-3	6.9	"	1	2	1	2	10	20	51	102
242	10-4	6.8	"	1	2	1	2	13	26	44	88
→	10-5,6	—	"	←			No Sample				→
07	10-7	7.7	"	3	6	1	2	8	16	34	68
35	10-8	8.0	"	3	6	1	2	7	14	32	64
77	10-9	7.6	"	3	6	1	2	25	50	93	186
51	10-10	7.5	"	1	2	1	2	14	28	38	76
21	10-11	7.9	"	2	4	1	2	7	14	32	64
→	10-12	—	"	←		No Sample					→
→	10-13	—	"	←		No Sample					→
5	10-14	7.4	"	1	2	1	2	6	12	38	76
5	10-15	7.2	"	1	2	1	2	1	2	2	4
21	10-16	7.7	"	1	2	1	2	5	10	44	88
8	10-17	7.7	"	1	2	1	2	6	12	43	86
31	10-18	7.4	"	1	2	1	2	8	16	53	106
→	10-19,20	—	"	←		No Sample					→
104	10-21	8.1	"	1	2	1	2	3	6	22	44
75	10-22	6.4	"	1	2	1	2	16	32	108	216
→	10-23	6.6	242,857	3	6	1	2	17		95	190
00	10-24	8.2	"	1	2	1	2	6	12	41	82
12	10-25	8.4	"	1	2	1	2	1	2	15	30
→	10-26,27	—	"	←		No Sample					→
12	10-28	8.4	"	1	2	1	2	1	2	5	10
20	10-29	8.1	"	1	2	1	2	1	2	7	14
20	10-30	8.1	"	1	2	1	2	1	2	3	6
48	10-31	8.0	"	1	2	1	2	1	2	2	4
76	11-1	7.3	"	1	2	1	2	1	2	4	8
→	11-2,3	—	"	←		No Sample					→
→	11-4	8.0	"	1	2	1	2	1	2	2	4
→	11-5	7.0	"	1	2	1	2	5	10	25	50
00	11-6	7.0	"	1	2	1	2	5	10	39	78
54	11-7	6.8	"	1	2	1	2	7	14	56	112
60	11-8	7.3	"	2	4	1	2	5	10	44	88
→	11-9,10,11	—	"	←		No Sample					→
→	11-12	8.4	"	1	2	1	2	1	2	4	8
96	11-13	8.3	"	1	2	1	2	1	2	5	10
14	11-14	7.7	"	1	2	1	2	1	2	6	12
08	11-15	7.6	"	1	2	1	2	1	2	3	6
→	11-16,17	—	"	←		No Sample					→

CERRO – EAST

DATE REPRESENTED	pH	Flow, gpd	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	DATE
11-18	3.1	475,257	1	4	13	52	4	16	3	12	
11-19	3.5	"	3	12	97	388	19	76	13	52	
11-20			1	4	109	436	20	80	84	336	
11-20,21,22,23,24	—	"	←		No Sample					→	
11-25	6.4	"	1	4	11	44	2	8	8	32	
11-26	6.8	"	7	28	19	76	9	36	42	168	
11-27	5.0	373,035 3.11	1	3	66	205	11	34	11	34	
11-28	5.1	"	1	3	60	187	9	28	5	16	
11-20	3.3	"	1	4	109	436	20	80	84	336	
11-29	2.6	"	1	3	33	103	7	22	10	31	
11-30, 12-1	—	"	←		No Sample					→	
12-2	5.4	"	4	12	7	22	83	258	43	134	
12-3	3.4	"	13	40	10	31	37	115	68	211	
12-4	2.8	"	17	53	22	68	56	174	66	205	
12-5	2.8	"	19	59	25	78	59	183	71	221	
12-6	2.4	"	17	53	276	858	76	236	106	320	
12-7,8	—	"	←		No Sample					→	
12-9	6.2	"	17	53	6	19	31	96	48	149	
12-10	3.8	"	36	112	14	44	62	193	86	267	
12-11	3.5	"	47	146	42	131	72	224	1151	3580	
12-12	2.9	"	33	103	46	143	56	174	97	302	
12-13	3.6	"	20	62	11	34	29	90	40	124	
12-14,15	—	"	←		No Sample					→	
12-16	3.0	"	13	40	13	40	28	87	32	100	
12-17	3.0	"	26	80	22	68	52	161	71	221	
12-18	3.0	"	57	177	18	56	61	190	98	305	
12-19	3.0	"	28	84	57	177	39	121	31	96	
12-20	3.0	"	24	75	59	183	37	115	59	183	
12-21,22,23,24	—	"	←		No Sample					→	
12-25	6.2	498,600 4.15	1	4	8	33	4	17	3	12	
12-26	6.3	"	1	4	6	25	3	12	2	8	
12-27	4.5	"	1	4	16	66	5	21	4	17	
12-28,29,30	—	"	←		No Sample					→	
12-31	7.9	"	1	4	2	8	1	4	1	4	
1-1	7.6	"	1	4	1	4	1	4	1	4	
1-2	2.8	"	2	8	43	178	11	46	8	33	
1-3	3.3	"	1	4	10	42	3	12	1	4	
1-4,5	—	"	←		No Sample					→	
1-6	6.6	"	1	4	2	8	1	4	3	12	
1-7	6.2	"	5	21	3	12	10	42	11	46	
1-8	4.6	"	5	21	7	29	34	141	10	42	
1-9	2.8	"	6	25	42	174	107	444	13	54	
1-10	3.9	"	10	42	16	66	19	79	17	71	
1-11,12	—	"	←		No Sample					→	

CERRO - WEST

MO.	DATE REPRESENTED	pH	flow, gpd	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
12	11-18	7.8	242,857	1	2	1	2	1	2	3	6
72	11-19	8.5	"	1	2	1	2	5	10	11	22
236 →	11-20	8.3	"	1	2	1	2	1	2	16	32
32	11-21, 22, 23, 24	—	"	←		No Sample				→	
68	11-25	8.6	"	1	2	1	2	1	2	14	28
4	11-26	7.5	"	3	6	1	2	8	16	33	66
6	11-27	8.0	242,857	3	6	1	2	8	16	28	57
36	11-28	7.8	" 202	5	10	1	2	17	34	29	59
1	11-29	7.7	"	2	4	1	2	6	12	22	44
→	11-30, 12-1	—	"	←		No Sample				→	
4	12-2	7.6	"	3	6	1	2	7	14	40	81
11	12-3	7.2	"	5	10	1	2	8	16	60	121
05	12-4	7.6	"	4	8	1	2	6	12	36	73
21	12-5	7.3	"	3	6	1	2	4	8	25	50
0	12-6	7.7	"	2	4	1	2	2	4	17	34
→	12-7, 8	—	"	←		No Sample				→	
49	12-9	7.6	"	2	4	1	2	4	8	33	67
267	12-10	7.6	"	1	2	1	2	2	4	18	36
580	12-11	7.5	"	1	2	1	2	1	2	10	20
02	12-12	7.6	"	1	2	1	2	1	2	9	18
24	12-13	7.2	"	3	6	1	2	8	16	54	109
→	12-14, 15	—	"	←		No Sample				→	
00	12-16	7.9	"	3	6	1	2	7	14	31	63
221	12-17	8.0	"	1	2	1	2	1	2	7	14
305	12-18	7.7	"	1	2	1	2	6	12	21	42
16	12-19	7.7	"	2	4	1	2	4	8	31	63
83	12-20	7.8	"	2	4	1	2	3	6	30	61
→	12-21, 22, 23, 24	—	"	←		No Sample				→	
2	12-25	8.3	347,086 1.44	1	3	1	3	1	3	3	9
7	12-26	8.3	"	1	3	1	3	1	3	4	12
7	12-27	8.3	"	1	3	1	3	1	3	3	9
→	12-28, 29, 30	—	"	←		No Sample				→	
1	12-31	8.2	"	1	3	1	3	1	3	1	3
1	1-1	8.0	"	1	3	1	3	1	3	3	9
3	1-2	7.4	"	1	3	1	3	2	6	12	35
	1-3	7.9	"	1	3	1	3	1	3	3	9
→	1-4, 5	—	"	←		No Sample				→	
12	1-6	6.7	"	2	6	1	3	6	17	45	130
16	1-7	7.4	"	2	6	1	3	3	9	40	116
12	1-8	7.4	"	2	6	1	3	5	14	46	133
4	1-9	8.0	"	2	6	1	3	5	14	45	130
71	1-10	8.1	"	1	3	1	3	4	12	38	110
→	1-11, 12	—	"	←		No Sample				→	

CORRO- EAST

DATE REPRESENTED	pH	FLOW, gpd	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD	DATE
1-13	—	498,600			No Sample						
1-14	3.6	" 4.15	15	62	19	79	31	129	41	170	
1-15	4.1		18	75	8	33	49	203	40	166	
1-16	6.6	"	15	62	4	17	33	137	34	141	
1-17	7.7	"	11	46	3	12	24	100	29	120	
1-18,19,20	—	"			No Sample						
1-21	4.3	"	11	46	11	46	15	62	33	137	
1-22	5.8	"	8	33	10	42	9	37	15	62	
1-23	6.9	"	6	25	8	33	11	46	12	50	
1-24	5.8	"	2	8	20	83	8	33	8	33	
1-25,26	—	"			No Sample						
1-27	4.4	"	8	33	18	75	17	71	23	95	
1-28	4.7	"	7	29	12	50	18	75	24	100	
1-29	5.2	585,214 4.06	10	49	16	78	17	83	24	117	
1-30	3.4	"	3	15	20	98	62	303	19	93	
1-31	2.9	"	3	15	50	244	28	137	103	503	
2-1,2	—	"			No Sample						
2-3	6.2	"	4	19	5	24	8	39	9	44	
2-4	6.3	"	4	19	5	24	12	59	12	59	
2-5	2.9	"	8	39	23	112	19	93	27	132	
2-6	2.7	"	7	34	49	239	24	117	33	161	
2-7	3.0	"	7	34	14	68	26	127	19	93	
2-8,9	—	"		No	Sample						
2-10	3.4	"	10	49	19	93	22	107	26	127	
2-11	2.8	"	6	29	47	229	19	93	23	112	
2-12	2.9	"	9	44	48	234	34	166	30	146	
2-13	2.9	"	8	39	44	215	34	166	26	127	
2-14	2.9	"	5	24	58	283	26	127	29	142	
2-15,16,17	—	"			No Sample						
2-18	6.2	"	7	34	6	29	13	63	16	78	
2-19	2.7	"	11	54	61	298	28	137	65	317	
2-20	2.9	"	15	73	55	268	41	200	45	220	
2-21	3.1	"	11	54	40	195	18	88	42	205	
2-22,23	—	"			No Samples						
2-24	—	"			No Sample						
2-25	3.2	"	8	39	44	215	21	102	50	244	
2-26	3.2	526,250 4.38	5	22	15	66	11	48	22	96	
2-27	2.7	"	9	39	50	220	20	88	92	403	
2-28	2.9	"	5	22	44	193	18	79	72	315	
"	—	"			No Sample						
3-3	6.1	"	6	26	3	13	64	280	12	53	
3-4	3.7	"	7	31	5	22	21	92	17	74	
3-5	2.5	"	5	22	23	101	19	83	15	66	

CERRO – WEST

ER PPD	DATE REPRESENTED	pH	Flow, gpd	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
	1-13	8.0	247,086	1	3	1	3	4	12	34	98
170	1-14	7.6	" 289	2	6	1	3	4	12	48	139
166	1-15	7.6	"	3	9	1	3	6	17	62	179
141	1-16	7.7	"	1	3	1	3	4	12	29	84
120	1-17	8.1	"	3	9	1	3	6	17	54	156
	1-18,19,20	—	"	No Sample							
137	1-21	8.3	"	2	6	1	3	3	9	19	55
62	1-22	8.5	"	1	3	1	3	1	3	9	26
50	1-23	8.2	"	1	3	1	3	1	3	18	52
33	1-24	8.0	"	2	6	1	3	2	6	51	147
	1-25,26	—	"	No Sample							
95	1-27	8.0	"	1	3	1	3	4	12	45	130
100	1-28	7.9	"	1	3	1	3	2	6	29	84
117	1-29	8.3	499,679	1	4	1	4	2	8	19	79
93	1-30	7.7	"	1	4	1	4	1	4	13	54
503	1-31	7.7	"	1	4	1	4	2	8	20	83
	2-1,2	—	"	No Samples							
14	2-3	8.0	"	1	4	1	4	1	4	13	54
59	2-4	8.3	"	1	4	1	4	2	8	15	62
132	2-5	8.0	"	1	4	1	4	3	12	33	137
61	2-6	7.8	"	1	4	1	4	2	8	20	83
93	2-7	7.9	"	1	4	1	4	1	4	15	62
	2-8,9	—	"	No Sample							
127	2-10	7.6	"	1	4	1	4	3	12	12	50
112	2-11	8.0	"	1	4	1	4	5	21	28	116
46	2-12	7.9	"	3	12	1	4	4	17	38	158
27	2-13	7.7	"	1	4	1	4	1	4	13	54
42	2-14	7.7	"	1	4	1	4	1	4	14	
	2-15,16,17	—	"	No Sample							
78	2-18	8.1	"	1	4	1	4	2	8	19	79
17	2-19	7.7	"	1	4	1	4	1	4	6	25
20	2-20	8.1	"	1	4	1	4	1	4	9	37
205	2-21	8.4	"	1	4	1	4	1	4	1	4
	2-22,23	—	"	No Sample							
	2-24	8.3	"	1	4	1	4	1	4	1	4
44	2-25	7.9	"	1	4	1	4	1	4	2	12
76	2-26	7.6	468,464	1	4	1	4	1	4	2	8
403	2-27	7.7	" 340	1	4	1	4	1	4	2	8
315	2-28	8.1	"	1	4	1	4	1	4	16	62
	3-1,2	—	"	No Sample							
53	3-3	7.1	"	1	4	1	4	4	16	14	55
4	3-4	6.9	"	2	8	1	4	4	16	37	144
6	3-5	6.7	"	3	12	1	4	4	16	60	234

CLERO - EAST

Date Represented	PH	Flow, gpd	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd	Date
3-6	3.3	526,250 4.28	6	26	10	44	13	57	22	96	
3-7	2.6	"	6	26	14	61	21	92	32	156	
3-8,9	—	"	←		No Samples					→	
3-10	4.3	"	3	13	3	13	4	18	8	35	
3-11	3.0	"	10	44	6	26	9	39	19	83	
3-12	2.4	"	11	48	34	149	25	110	26	114	
3-13	2.5	"	4	18	79	346	10	44	28		
3-14	2.5	"	8	35	20	88	10	44	20	88	
3-15,16	—	"	←		No Samples					→	
3-17	2.9	"	10	44	6	26	10	44	20	88	
3-18	2.5	"	9	39	21	136	10	44	26	114	
3-19	3.0	"	9	39	7	31	10	44	21	92	
3-20	2.8	"	9	39	9	39	10	44	13	57	
3-21	3.0	"	7	31	8	35	9	39	11	48	
3-22,23	—	"	←		No Samples					→	
3-24	7.0	"	1	4	2	9	1	4	2	9	
3-25	3.4	"	2	9	9	39	3	13	5	22	
3-26	—	431,392 3.6	←		No Samples					→	
3-27	2.8	"	1	4	48	173	14	50	12	43	
3-28	2.9	"	1	4	16	58	7	25	5	18	
3-29,30	—	"	←		No Samples					→	
3-31	4.9	"	2	7	5	18	35	126	45	162	
4-1	4.[illegible]	"	15	54	7	25	8	29	33	119	
4-2	3.4	"	11	40	55	198	41	148	35	126	
4-3	3.8	"	14	50	7	25	33	119	29	104	
4-4	4.6	"	12	43	6	22	24	86	25	90	
4-5,6	—	"	←		No Samples					→	
4-7	5.0	"	8	29	3	11	34	122	2	9	
4-8	5.5	"	15	54	4	14	34	122	41	148	
4-9	4.1	"	18	65	6	22	21	76	34	122	
4-10	4.9	"	25	90	5	18	30	108	39	140	
4-11	2.6	"	19	68	52	187	40	144	67	241	
4-12,13	—	"	←		No Samples					→	
4-14	6.1	"	7	25	7	25	14	50	14	60	
4-15	4.1	"	9	32	18	65	31	112	18	65	
4-16	4.8	"	13	47	18	65	21	76	31	112	
4-17	5.4	"	15	54	14	50	17	61	37	133	
4-18	3.2	"	15	54	75	270	48	173	40	144	
4-19,20	—	"	←		No Samples					→	
4-21	3.2	"	13	47	9	32	19	68	43	155	
4-22	3.3	"	18	65	10	36	32	115	52	187	
4-23	4.3	284,657	14	33	7	16	30	71	47	111	
4-24	4.1	"	13	31	8	19	24	57	42	100	

CERRO-WEST

PPD	Date Represented	pH	Flow, gpd	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD
76	3-6	6.9	468464 390	3	12	1	4	5	20	42	164
56	3-7	6.9	"	1	4	1	4	5	20	23	90
→	3-8,9	—	"	←		No Samples					→
35	3-10	6.9	"	3	12	1	4	5	20	38	148
3	3-11	6.7	"	2	8	1	4	6	23	41	160
14	3-12	6.6	"	3	12	1	4	6	23	42	164
	3-13	7.3	"	1	4	1	4	2	8	14	55
58	3-14	7.5	"	1	4	1	4	1	4	10	39
→	3-15,16	—	"	←		No Samples					→
38	3-17	7.6	"	1	4	1	4	1	4	6	23
14	3-18	7.7	"	1	4	1	4	1	4	3	12
72	3-19	7.2	"	1	4	1	4	1	4	4	16
57	3-20	6.8	"	1	4	1	4	1	4	2	8
18	3-21	6.9	"	1	4	1	4	1	4	3	12
→	3-22,23	—	"	←		No Samples					→
9	3-24	7.5	"	1	4	1	4	1	4	7	27
22	3-25	7.4	"	1	4	1	4	1	4	7	27
→	3-26	7.2	465,678 3.88	1	4	1	4	1	4	12	47
13	3-27	7.2	"	1	4	1	4	1	4	5	19
8	3-28	7.2	"	1	4	1	4	1	4	9	35
→	3-29,30	—	"	←		No Samples					→
62	3-31	7.2	"	24		1	4	2	8	19	74
9	4-1	7.4	"	4	16	1	4	1	4	15	58
26	4-2	7.2	"	1	4	1	4	2	8	14	54
24	4-3	7.9	"	2	8	1	4	2	8	15	58
0	4-4	7.6	"	1	4	1	4	1	4	13	50
→	4-5,6	—	"	←		No Samples					→
7	4-7	7.1	"	1	4	1	4	1	4	8	31
48	4-8	7.1	"	1	4	1	4	1	4	2	8
22	4-9	—	"	←		No Samples					→
10	4-10	6.7	"	2	8	1	4	4	16	49	190
41	4-11	6.7	"	1	4	1	4	2	8	19	74
→	4-12,13	—	"	←		No Samples					→
0	4-14	7.1	"	1	4	1	4	1	4	13	50
5	4-15	7.9	"	2	8	1	4	2	8	25	97
2	4-16	7.0	"	18		1	4	7	27	217	842
33	4-17	7.6	"	4	16	1	4	5	19	51	198
14	4-18	7.0	"	3	12	1	4	7	27	33	128
→	4-19,20	—	"	←		No Samples					→
25	4-21	7.3	"	1	4	1	4	1	4	14	54
7	4-22	7.3	"	1	4	1	4	1	4	12	47
1	4-23	7.3	463,600	1	4	1	4	1	4	18	69
20	4-24	7.4	"	1	4	1	4	2	8	31	120

CURRO EAST

Date Reservoir	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb	Date
4-25	4.4	284,657	11	26	10	24	19	45	34	81	
4-26,27,28	—	" 237	No Samples								
4-29	—	"	No Samples								
4-30	—	"	No Samples								
5-1	4.8	"	12	28	20	48	21	2	30	71	
5-2	4.3	"	9	21	19	45	23	55	25	59	
5-3,4	—	"	No Samples								
5-5	3.9	"	11	26	45	107	28	66	54	128	
5-6	3.7	"	14	33	34	81	31	73	20	48	
5-7	4.4	"	9	21	69	163	29	69	23	55	
5-8	5.1	"	7	16	77	182	27	64	20	48	
5-9	4.0	"	6	14	100	237	35	83	23	55	
5-10,11	—	"	No Sample								
5-12	4.6	"	10	24	23	55	28	66	24	57	
5-13	3.7	"	10	24	47	111	26	62	24	57	
5-14	5.8	"	10	24	69	163	42	100	31	73	
5-15	4.6	"	5		120	284	44	104	28	66	
5-16	5.6	"	9	21	52	123	43	102	27	64	
5-17,18	—	"	No Sample								
5-19	6.5	"	3	7	3	7	6	14	15	36	
5-20	3.9	"	9	21	7	16	18	78	27	64	
5-21	4.7	"	11	26	15	36	33	78	26	62	
5-22	3.9	"	14	33	10	24	49	116	22	52	
5-23	4.1	"	8	19	14	33	29	69	19	45	
5-24,25,26	—	"	No Sample								
5-27	3.7	"	4	9	6	14	9	21	10	24	
5-28	3.8	153,928	8	10	58	74	32	41	19	24	
5-29	3.3	" 128	6	8	27	35	14	18	15	19	
5-30	4.2	"	8	10	92	118	49	63	32	41	
5-31,6-1	—	"	No Sample								
6-2	4.2	"	4	5	3	4	13	17	10	13	
6-3	3.7	"	10	13	17	22	43	55	21	27	
6-4	3.2	"	5	6	15	19	12	15	32	41	
6-5	4.0	"	2	2	7	9	6	8	7	9	
6-6,7,8	—	"	No Sample								
6-9	3.9	"	3	4	10	13	13	16	20	26	
6-10	4.1	"	5	6	21	27	15	19	38	49	
6-11	3.9	"	6	8	61	78	26	33	37	47	
6-12	3.6	"	9	11	76	97	43	55	29	37	
6-13	5.2	"	9	12	18	23	22	28	32	41	
6-14,15	—	"	No Samples								
6-16	-	"	No Sample								
6-17	3.9	"	2	2	19	24	6	8	6	8	

CERRO WEST

Date Representing	PH	FLOW	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD
4-25	7.5	463,600	1	4	1	4	2	8	28	108
4-26, 27, 28	—	" 3.86	No Samples							
4-29	7.6	"	2	8	1	4	2	8	37	142
4-30	7.5	"	1	4	1	4	2	8	30	116
5-1	8.2	"	1	4	1	4	1	4	16	62
5-2	8.1	"	1	4	1	4	1	4	17	66
5-3, 4	—	"	No Samples							
5-5	8.4	"	1	4	1	4	1	4	13	50
5-6	8.0	"	1	4	1	4	1	4	4	15
5-7	8.2	"	1	4	1	4	1	4	4	15
5-8	8.0	"	3	12	1	4	3	12	24	93
5-9	8.1	"	1	4	1	4	1	4	4	15
5-10, 11	—	"	No Sample							
5-12	8.8	"	1	4	1	4	1	4	1	4
5-13	8.7	"	1	4	1	4	1	4	1	4
5-14	8.2	"	1	4	1	4	1	4	6	23
5-15	8.5	"	1	4	1	4	1	4	1	4
5-16	8.6	"	1	4	1	4	1	4	1	4
5-17, 18	—	"	No Sample							
5-19	8.7	"	1	4	1	4	1	4	3	12
5-20	8.5	"	1	4	1	4	1	4	2	8
5-21	8.4	"	1	4	1	4	1	4	7	27
5-22	7.9	"	1	4	1	4	1	4	6	23
5-23	8.1	"	1	4	1	4	1	4	4	15
5-24, 25, 26	—	"	No Sample							
5-27	8.4	"	1	4	1	4	1	4	1	4
5-28	8.1	487,893	1	4	1	4	2	8	15	61
5-29	8.0	" 4.07	2	8	1	4	4	16	40	163
5-30	8.1	"	3	12	1	4	3	12	29	118
5-31, 6-1	—	"	No Sample							
6-2	8.2	"	2	8	1	4	2	8	33	134
6-3	8.2	"	2	8	1	4	2	8	16	65
6-4	8.4	"	1	4	1	4	1	4	17	69
6-5	8.2	"	1	4	1	4	1	4	15	61
6-6, 7, 8	—	"	No Sample							
6-9	8.0	"	2	8	1	4	1	4	18	73
6-10	7.9	"	1	4	1	4	1	4	16	65
6-11	7.8	"	3	15	1	4	3	12	30	122
6-12	8.5	"	5	20	1	4	4	16	82	334
6-13	7.8	"	1	4	1	4	[illegible]	12	24	98
6-14, 15	—	"	No Sample							
6-16	7.6	"	1	4	1	4	1	4	8	33
6-17	6.9	"	5	20	1	4	8	33	110	448

CARRO EAST

Date Reconstituted	pH	Flow	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD	Date Evaporated
[illegible]	—	153,928	←		No Samples					→	6-
[illegible]	—	" 1.76	←		No Samples					→	6-
[illegible] 20	—	"	←		No Samples					→	6-
6-21,22	—	"	←		No Samples					→	6-
6-23	—	"	←		No Samples					→	6-
6-24	3.9	"	5	6	35	45	16	20	25	32	6-
6-25	4.4	241,586 2.01	20	40	22	80	31	62	70	141	6-
6-26	4.7	"	16	32	36	64	32	64	45	90	6-
6-27	3.9	"	10	20	12	40	11	22	22	44	6
6-28,29	—	"	←		No Samples					→	6
6-30	7.6	"	7	14	2	4	6	12	13	26	6
7-1	4.7	"	15	30	12	24	30	60	46	92	7-
7-2	3.5	"	16	32	33	66	81	163	65	131	7-
7-3	—	"	←		No Samples					→	7-
7-4	3.8	"	9	18	14		60	121	47	94	7-
7-5,6	—	"	←		No Samples					→	7-
7-7	6.2	"	12	24	5	10	46	92	40	80	7-
7-8	3.6	"	23	46	38	76	70	141	81	163	7
7-9	3.8	"	25	50	51	101	69	139	74	149	-
7-10	3.4	"	16	32	186	374	81	163	167	336	7-
7-11	4.3	"	25	50	5	10	64	129	140	281	7-
7-12,13	-	"	←		No Samples					→	7-
7-14	-	"			"						7
7-15	-	"			"						7
7-16	-	"			"						7
7-18	-	"			"						-
7-19,20	-	"			"						7
7-21	-	"			"						7
7-22	-	"			"						-
7-23	-	515,000			"						-
7-24	-				"						-
7-25	-				"						-
7-26,27	-				"						-
7-28	-				"						7-
7-29	-				"						7
7-30	-				"						-
7-31	-				"						-
8-1	-				"						-
8-2,3,4,5	-				"						-
8-6	—				"						8
8-7	—										8
8-8	—										8
											8

CERRO WEST

Date Investigation	PH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb
6-18	8.3	487,993	1	4	1	4	1	4	12	49
6-19	8.2	" 49	1	4	1	4	1	4	4	16
6-20	8.3		1	4	1	4	1	4	4	16
6-21,22	—		No Sample							
6-23	8.2		1	4	1	4	1	4	3	12
6-24	8.2		1	4	1	4	2	8	18	73
6-25	8.4	91,521	1	1	1	1	1	1	9	7
6-26	8.6	76	1	1	1	1	1	1	2	2
6-27	8.5		1	1	1	1	1	1	3	2
6-28,29	—		No Samples							
6-30	8.4		1	1	1	1	1	1	6	5
7-1	8.2		1	1	1	1	1	1	19	14
7-2	8.8		1	1	1	1	1	1	3	2
7-3	—		No Samples							
7-4	8.4		1	1	1	1	1	1	5	4
7-5,6	—		No Samples							
7-7	8.4		1	1	1	1	1	1	2	2
7-8	8.1		1	1	1	1	1	1	2	2
7-9	8.4		1	1	1	1	1	1	3	2
7-10	8.5		1	1	1	1	1	1	1	1
7-11	8.2		1	1	1	1	1	1	3	2
7-12,13	—		No Samples							
7-14	8.4		1	1	1	1	1	1	2	2
7-15	8.6		1	1	1	1	1	1	5	4
7-16	5.9		2	2	5	4	172	131	9	7
7-17	7.9		1	1	1	1	5	4	1	1
7-18	8.5		1	1	1	1	6	5	1	1
7-19,20	—		No Samples							
7-21	8.4		1	1	1	1	1	1	1	1
7-22	8.4		1	1	1	1	5	4	1	1
7-23	8.5	211,971 1.76	1	2	1	2	10	18	1	2
7-24	8.7		1	2	1	2	15	26	1	2
7-25	7.2		1	2	3	5	3	5	8	14
7-26,27	—		No Samples							
7-28	8.4		1	2	1	2	4	7	23	40
7-29	8.3		1	2	1	2	1	2	1	2
7-30	8.2		1	2	1	2	4	7	30	53
7-31	8.4		1	2	1	2	2	4	13	23
8-1	8.4		1	2	1	2	1	2	1	2
8-2,3,4,5	—		No Samples							
8-6	8.2		2	4	1	2	6	11	40	70
8-7	7.3		2	4	1	2	3	5	33	58
8-8	7.3		1	2	1	2	5	9	23	40

CIERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD	DATE
8-9,10		515,000		NO SAMPLES							8-9,10
8-11											8-11
8-12											8-12
8-13											8-13
8-14											8-14
8-15											8-15
8-16,17											8-16,1
8-18											8-18
8-19											8-19
8-20											8-20
8-21											8-21
8-22											8-22
8-23,24											8-23
8-25											8-25
8-26											8-26
8-27		515,000		NO SAMPLES							8-27
8-28											8-28
8-29											8-29
8-30,31,94											8-30,3
9-2											9-2
9-3											9-3
9-4											9-4
9-5											9-5
9-6,7											9-6,
9-8											9-8
9-9											9-9
9-10											9-10
9-11											9-11
9-12											9-12
9-13,14											9-13
9-15											9-15
9-16											9-16
9-17											9-17
9-18											9-18
9-19											9-19
9-20,21											9-20,
9-22											9-2
9-23											9-23
9-24		515,000		NO SAMPLES							9-24
9-25											9-2
9-26											9-2
9-27,28											9-27,
9-29											9-2

CERRO WEST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
8-9,10	—	211,971			NO Samples					
8-11	7.4	1.76	2	4	1	2	1	2	13	23
8-12	7.6		1	2	1	2	3	5		37
8-13	7.0		2	4	1	2	9	16	45	79
8-14	7.0		2	4	1	2	3	5	22	39
8-15	7.7		1	2	1	2	1	2	[illegible]	19
8-16,17	—				NO Samples					
8-18	7.6		4	7	1	2	9	16	98	172
8-19	8.2		3	5	1	2	8	14	44	77
8-20	8.7		2	4	1	2	7	12	25	44
8-21	8.6		2	4	1	2	6	11	13	23
8-22	8.4		2	4	1	2	7	12	24	42
8-23,24	—				NO Samples					
8-25	8.7		1	2	1	2	1	2	[illegible]	2
8-26	8.9		2	4	1	2	5	9	22	39
8-27	8.4	52,500	5	2	1	<1	9	4	82	35
8-28	7.9	0.43	2	1	1	<1	10	4	93	40
8-29	8.4		4	2	1	<1	9	4	46	20
8-30,31,9-1	—				NO Samples					
9-2	8.5		1	<1	1	<1	2	2	4	2
9-3	8.8		1	<1	1	<1	1	<1	4	2
9-4	9.0		1	<1	1	<1	1	<1	2	1
9-5	8.5		1	<1	1	<1	1	<1	2	1
9-6,7	—				NO Samples					
9-8	8.9		1	<1	1	<1	1	<1	3	1
9-9	8.7		2	1	1	<1	5	2	13	6
9-10	8.9		1	<1	1	<1	3	1	8	3
9-11	7.9		3	1	1	<1	8	3	24	10
9-12	9.0		4	2	1	<1	7	3	18	7
9-13,14					NO Samples					
9-15	8.7		4	2	1	<1	6	3	22	9
9-16	8.6		1	<1	1	<1	1	<1	3	1
9-17	8.9		2	1	1	<1	9	4	20	9
9-18	8.4		3	1	1	<1	9	4	28	12
9-19	8.5		4	2		<1	9	4	40	17
9-20,21	—				NO Samples					
9-22	8.7		1	<1	1	<1	3	1	7	3
9-23	8.9		1	<1	1	<1	1	<1	4	2
9-24	8.6	136,028	1	1	1	1	9	10	33	37
9-25	—				NO Samples					
9-26	8.7		4	4	1	1	7	8	35	40
9-27,28	—				NO Samples					
9-29	9.0		1	1	1	1	3	3	11	12

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD	DATE
9-30-85		515,000			NO Samples						9-30-8
10-1											10-1
10-2											10-2
10-3											10-3
10-4,5											10-4,5
10-6											10-6
10-7											10-7
10-8											10-8
10-9											10-9
10-10											10-10
10-11,12											10-11,
10-13											10-13
10-14											10-14
10-15											10-15
10-16											10-16
10-17											10-17
10-18,19											10-18
10-20											10-
10-21											10-
10-22											10-
10-23											10-23
10-24											10-24
10-25,26											10-25
10-27											10-27
10-28											10-2
10-29		515,000									10-2
10-30											10-
10-31											10-
11-1,2											11-1,
11-3											11-3
11-4											11-4
11-5											11-5
11-6											11-6
11-7											11-7
11-8,9,10											11-8
11-11											11-1
11-12											11-12
11-13											11-1
11-14											11-1
11-15,16											11-1
11-17											11-
11-18											11-1
11-19											11-

Combined Waste

Date	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb
9-30-85	7.1	136,028 1.13	1	1	<1	1	1	1	1	1
10-1	7.2		2	2	1	1	8	9	41	4
10-2	6.4		2	2	1	1	7	8	76	80
10-3	7.4		2	2	1	1	7	8	27	31
10-4,5	—		←		No Samples					→
10-6	7.5		2	2	1	1	9	10	43	49
10-7	7.7		1	1	1	1	7	8	46	52
10-8	7.9		1	1	1	1	6	7	32	36
10-9	7.7		1	1	1	1	6	7	27	31
10-10	7.8		1	1	1	1	5	6	24	27
10-11,12	—		←		No Samples					→
10-13	7.6		1	1	1	1	6	7	25	28
10-14	7.7		1	1	1	1	5	6	31	35
10-15	7.4		1	1	1	1	6	7	35	40
10-16	7.4		1	1	1	1	3	3	21	24
10-17	7.5		1	1	1	1	4	4	23	26
10-18,19	—		←		No Samples					→
10-20	7.9		1	1	1	1	1	1	4	4
10-21	7.5		1	1	1	1	1	1	9	10
10-22	7.0		2	2	1	1	9	10	33	37
10-23	7.2		2	2	1	1	8	9	40	45
10-24	7.1		1	1	1	1	8	9	30	34
10-25,26	—		←		No Samples					→
10-27	7.8		2	2	1	1	2	2	8	9
10-28	7.1	↓	2	2	1	1	9	10	33	37
10-29	7.3	159,714 1.33	3	4	1	1	6	8	27	36
10-30	7.2		2	3	1	1	7	9	31	41
10-31	7.2		1	1	1	1	3	4	16	21
11-1,2	—		←		No Samples					→
11-3	8.2		1	1	1	1	1	1	3	4
11-4	7.5		3	4	1	1	6	8	25	33
11-5	7.5		1	1	1	1	1	1	8	10
11-6	7.6		1	1	1	1	1	1	2	3
11-7	7.4		2	3	1	1	5	7	12	16
11-8,9,10	—		←		No Samples					→
11-11	7.6		1	1	1	1	1	1	[illegible]	5
11-12	7.7		2	3	1	1	6	8	18	24
11-13	7.5		1	1	1	1	2	3	3	4
11-14	7.3		1	1	1	1	5	7	9	12
11-15,16	—		←		No Samples					→
11-17	7.6		1	1	1	1	4	5	[illegible]	13
11-18	7.4		1	1	2	3	9	12	32	49
11-19	6.2	↓	1	1	7	9	2	3	6	8

Lorco East

Date	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb	Date
11-20	-	[illegible]		No Samples							11-
11-21											11
11-22,23	-										11
11-24											11-
11-25											11-
11-26				No Samples							11-
11-27		43									11-
11-28											11-
11-29,30											11-29
12-1	3.[illegible]		10	43	2	9	81	348	28	120	12-
12-2	3.3		9	39	6	26	93	400	29	125	12-
12-3	[illegible]		1	43	[illegible]	146	81	348	[illegible]	108	12
12-4			2 [illegible]	1023	50	[illegible]	100	43[illegible]	8[illegible]	370	12
12-5	1.1		9	39	94	404	86	370	35	151	12
12-6,7	-			No Samples							12-
12-8	2.9		6	26	7	30	67	288	23	99	12
12-9	3.0		6	26	13	56	48	206	15	65	12
12-10	3.2		5	22	10	43	62	267	12	52	12-
12-11	[illegible]		8	34	7	30	69	297	31	133	12-
12-12	2.[illegible]		6	26	22	95	82	353	49	211	12-
12-13	2.8		4	17	18	77	27	116	25	108	12
12-14,15	—			No Samples							12
12-16	[illegible]		4	17	19	82	61	[illegible]	22	95	12
12-17	3.7		20	86	15	60	72	310	52	241	12
12-18	2.9		5	22	43	185	54	232	23	99	12-
12-19	2.5		4	17	17	73	75	323	28	120	12
12-20,21	-			No Samples							12-
12-22	2.4		4	17	30	129	55	236	18[illegible]	774	12-
12-23,24	-			No Samples							12-
12-25	3.5	[illegible]	6	12	8	[illegible]	60	13[illegible]	22	14	12
12-26	2.6	2.08	3	6	34	68	64	133	29	5[illegible]	12
12-27,28	-			No Samples							12
12-29	2.5		6	12	61	12[illegible]	87	181	33	66	12-
12-30	3.6		2	4	14	28	93	[illegible]	22	44	12-
12-31	-			No Samples							12-
1-1-82	2.8		4	8	42	84	64	133	24	48	1-1-
1-2	3.0		4	8	30	60	83	17[illegible]	42	84	1-2
1-3,4	-			No Samples							1-3
1-5	6.[illegible]		1	2	5	10	62	129	5	10	1-[illegible]
1-6	3.5		6	12	16	32	61	12[illegible]	21	42	1-[illegible]
1-7	2.6		3	6	60	1[illegible]	67	1[illegible]	20	146	1-
1-8	2.7		6	12	25	50	66	137	42	84	1-
1-9	2.8		3	6	46	92	88	183	26	52	1-

LORRO WEST

PPD	Date	pH	Flow	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd
	11-20	7.2	159 714 133	1	1	1	1	2	3	6	8
	11-21	7.1		1	1	1	1	4	5	13	17
	11-22,23	—		←		No Samples					→
	11-24	7.7		1	1	1	1	3	4	7	9
	11-25	7.4		1	1	1	1	2	3	7	9
	11-26	7.4	223 429 1.86	1	2	1	2	2	4	8	16
	11-27	—		←		No Samples					→
	11-28	6.4		1	2	1	2	1	2	2	4
	11-29,30	—		←		No Samples					→
0	12-1	6.6		1	2	1	2	4	7	9	17
5	12-2	6.6		1	2	1	2	4	7	6	11
8	12-3	5.1		1	2	4	7	8	15	15	28
70	12-4	6.2		1	2	1	2	4	7	13	24
51	12-5	6.4		2	4	1	2	2	4	12	22
→	12-6,7	—		←		No Samples					→
79	12-8	4.7		3	6	10	19	31	5[illegible]	26	48
5	12-9	4.5		4	7	5	9	29	54	31	5[illegible]
2	12-10	6.1		3	[illegible]	1	2	6	11	22	41
3	12-11	6.2		3	[illegible]	1	2	9	17	19	35
1	12-12	3.2		3	6	16	30	46	86	36	67
8	12-13	4.5		2	4	6	11	9	17	23	43
→	12-14,15	-		←		No Samples					→
5	12-16	4.9		2	4	5	9	9	17	25	46
41	12-17	5.5		5	9	3	6	26	48	17	32
19	12-18	5.7		3	6	3	6	22	41	14	26
20	12-19	3.4		1	2	13	24	30	56	43	80
→	12-20,21	—		←		No Samples					→
24	12-22	6.0		1	2	7	13	9	17	44	82
→	12-23,24	—		←		No Samples					→
44	12-25	—	102 343	←		No Samples					→
58	12-26	2.9	.85	4	3	36	31	48	[illegible]	65	5[illegible]
→	12-27,28	—		←		No Samples					→
66	12-29	3.5		8	7	24	[illegible]	69	59	44	37
14	12-30	4.9		5	4	7	6	62	[illegible]	16	14
→	12-31	—		←		No Samples					→
48	1-1-86	3.7		3	3	18	15	26	[illegible]	10	8
84	1-2	3.3		4	3	18	15	60	51	25	21
→	1-3,4	—		←		No Samples					→
10	1-5	5.4		3	3	6	5	56	48	14	[illegible]
12	1-6	3.5		6	5	16	14	68	[illegible]	20	17
16	1-7	3.3		6	5	18	15	53	45	26	[illegible]
24	1-8	2.8		6	5	45	38	72	61	95	8[illegible]
52	1-9	2.9		14	12	60	50	98	83	75	6[illegible]

CERRO EAST

DATE	pH	FLOW	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD	DA
1-10,11					NO Samples						1-10
1-12	[illegible]	208	7	14	[illegible]	137	[illegible]	[illegible]	[illegible]	72	1-1
1-13	[illegible]		3	6	132	[illegible]	89	[illegible]	[illegible]	42	1-1
1-14	[illegible]		9	18	231	[illegible]	106	[illegible]	[illegible]	326	1-1
1-15	[illegible]		7	14	77	54	87	181	33	66	1-
1-16	—		8	16	137	284	83	[illegible]	290	603	1-1
1-17,18	—				NO Samples						1-1
1-19	[illegible]		1	2	21	42	8	16	3	6	1-1
1-20	[illegible]		1	2	31	62	9	18	5	10	1-
1-21	2.6		1	2	53	106	30	60	24	50	1-
1-22	2.7		3	6	57	114	84	[illegible]	106	220	1-
1-23	3.[illegible]		5	[illegible]	29	58	84	[illegible]	66	137	1-
1-24,25	—				No Samples						1-
1-26	[illegible]		4	8	[illegible]	34	[illegible]	134	[illegible]	32	1-2
1-27	[illegible]		8	16	9	18	65	135	[illegible]	36	1-
1-28	[illegible]	250,000	4	8	6	12	92	184	17	34	1-
1-29	[illegible]	208	15	30	13	26	22	44	[illegible]	60	1-
1-30	5.0		7	14	13	26	20	52	[illegible]	36	1-
1-31,2-1					NO Samples						131
2-2	5.3		[illegible]	22	5	10	[illegible]	32	[illegible]	32	2
2-3	5.5		[illegible]	8	[illegible]	8	[illegible]	20	[illegible]	20	2
2-4	[illegible]		9	18	9	18	[illegible]	56	[illegible]	32	2-
2-5	3.9		6	12	[illegible]	12	12	24	[illegible]	24	2
2-6	[illegible]		9	18	13	26	[illegible]	56	[illegible]	26	2-
2-7,8	—				NO Samples						2-
2-9	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	2-
2-10	[illegible]		[illegible]	[illegible]	19	[illegible]	11	[illegible]	[illegible]	42	2
2-11	[illegible]		15	[illegible]	16	[illegible]	11	[illegible]	[illegible]	40	2-
2-12	[illegible]		10	[illegible]	22	[illegible]	11	[illegible]	[illegible]	48	2-
2-13	2.5		8	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]	50	2-
2-14,15,16	—				[illegible]						2-1
2-17	3.6		1	2	[illegible]	134	8	16	66	132	2-
2-18	3.[illegible]		2	4	29	58	5	10	4	8	2-
2-19	[illegible]		[illegible]	2	70	140	9	18	33	66	2-
2-20	[illegible]		[illegible]	2	54	108	9	18	40	80	2-
2-21,22	—				NO Samples						2-2
2-23	3.4		3	6	22	44	27		105		2-
2-24	3.5		4	8	19	38	30		42		2-
2-25	3.[illegible]	61	7	36	13	66	35	179	33	168	2
2-26	3.4		8	41	30	153	29	148	64	326	2-
2-27	2.8		5	25	44	224	33	165	55	275	2-
2-28,3-1					NO Samples						2-2
3-2	3.2		4	20	21	[illegible]	24	122	31	158	3-

PPD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
→	1-10,11	--	102,343	←		No Samples					→
2	1-12	7.6	.85	1	1	2	2	3	2	5	4
2	1-13	7.8		1	1	1	1	1	1	1	1
6	1-14	7.9		1	1	1	1	1	1	1	1
0	1-15	8.0		1	1	1	1	1	1	3	3
3	1-16	7.7		1	1	1	1	1	1	1	1
→	1-17,18	-		←		No Samples					→
	1-19	7.8		1	1	1	1	1	1	3	2
	1-20	7.3		1	1	1	1	1	1	6	
0	1-21	7.8		1	1	1	1	1	1	2	2
0	1-22	7.4		1	1	1	1	1	1	2	3
7	1-23	7.8		1	1	1	1	1	1	2	2
→	1-24,25	-		←		No Samples					→
2	1-26	8.1		1	1	1	1	1		3	
	1-27	—		←		No Samples					→
	1-28	8.1	69,107	1	1	1	1	1		3	2
	1-29	6.8	.57	1	1	1	1	1	1	1	1
	1-30	6.6		1	1	1	1	1	1	1	1
→	131,2-1	—		←		No Samples					→
2	2-2	6.7		1	1	1	1	1	1	1	1
0	2-3	6.5		1	1	1	1	1	1	1	2
2	2-4	6.6		1	1	1	1	1	1	4	2
1	2-5	7.1		1	1	1	1	1	1	1	1
6	2-6	7.0		1	1	1	1	1	1	5	2
→	2-7,8	—		←		No Samples					→
2	2-9	[illegible]		1	1	1	1	1	1	1	1
	2-10	—		←		No Samples					→
	2-11	[illegible]		1	1	1	1	1	1	1	1
	2-12	7.6		1	1	1	1	1	1	1	1
	2-13	6.4		1	1	1	1	1	1	3	2
→	2-14,15,16	—		←		No Samples					→
2	2-17	6.7		1	1	1	1	1	1	1	1
	2-18	6.6		1	1	1	1	1	1	1	1
	2-19	6.9		1	1	1	1	1	1	1	1
	2-20	7.2		1	1	1	1	1	1	5	3
→	2-21,22	—		←		No Samples					→
	2-23	7.1		1	1	1	1	1	1	2	1
	2-24	7.6		1	1	1	1	1	1	1	1
	2-25	7.3	45,162 .12	1	1	1	1	1	1	2	2
2	2-26	7.7		1	1	1	1	1	1	14	17
	2-27	7.6		5	6	1	1	3	4	14	17
→	2-28,3-1	—		←		No Samples					→
	3-2	7.5		1	1		1		1		2

CERRO GRAT

Date	pH	Flow	Lead PPM	Lead PPD	Nickel PPM	Nickel PPD	Zinc PPM	Zinc PPD	Copper PPM	Copper PPD
3-3-86	[illegible]	612,000 5.1	18	92	7	36	33	168	55	281
3-4	2.3		20	[illegible]	10	51	30	153	49	250
3-5	2.6		17	87	60	[illegible]	31	158	148	750
[illegible]	3.3		15	[illegible]	23	117	36	184	78	398
[illegible]					No samples					
[illegible]	2.7		6	31	9	46	10	51	36	184
[illegible]	4.3		13	[illegible]	5	25	27	138	24	124
[illegible]	4.1		11	[illegible]	6	31	18	92	29	148
3-11	3.8		11	[illegible]	10	51	27	138	34	174
[illegible]	2.2		12		120	[illegible]	59	301	104	530
					No samples					
[illegible]	3.9		5	25	6	31	16	82	17	87
3-17	[illegible]		5	25	14	71	18	92	20	102
3-18	[illegible]		8	41	13	66	23	117	30	153
3-19	[illegible]		8	41	23	117	37	189	22	112
3-20	3.4		9	46	12	61	30	153	30	153
3-21,22	—				No samples					
3-23	3.8		5	[illegible]	2	[illegible]	22	112	12	61
3-24	[illegible]		6	[illegible]	12	61	24	122	38	194
3-25	2.5	612,000 5.1	12	61	69	352	50	255	53	270
3-26	[illegible]		7	[illegible]	15	77	18	92	29	148
3-27	3.9		5	25	24	122	30	153	34	174
3-28, 29	—				No Samples					
3-30	3.6		1	5	12	61	4	20	1	5
3-31	3.3		[illegible]	15	[illegible]	102	8	41	[illegible]	77
4-1	3.2		[illegible]	20	[illegible]	332	21	107	[illegible]	112
4-2	2.8		[illegible]	31	50	153	19	97	32	163
4-3	2.0		8	41	85	434	41	209	51	260
4-4,5	—				No Samples					
4-6	[illegible]		4	20	48	245	20	102	[illegible]	133
4-7	[illegible]		4	20	68	347	33	168	[illegible]	133
4-8	3.2		[illegible]	10	54	275	19	97	[illegible]	107
4-9	3.4		6	31	28	148	41	209	[illegible]	246
4-10	[illegible]		[illegible]	10	39	199	43	219	53	484
4-11,12	[illegible]				No Samples					
4-13	[illegible]				No Samples					
4-14	[illegible]				No Samples					
[illegible]	3.4		1	5	49	250	21	107	6	31
[illegible]	2.8		1	5	59	301	11	56	3	15
4-17	3.1		1	5	33	168	12	61	18	92
4-18,19	—				No Samples					
4-20	3.1		2	10	31	158	12	61	23	117
4-21	3.1		1	5	32	163	12	61	20	102

CARRO WEST

DATE	pH	FLOW	LEAD PPM	LEAD PPB	NICKEL PPM	NICKEL PPB	ZINC PPM	ZINC PPB	COPPER PPM	COPPER PPB
3-3-86	[illegible]	146,142 1.2	2	2	1	1	1	1	[illegible]	6
3-4	[illegible]		5	6	1	1	11	13	[illegible]	56
3-5	6.8		2	3	1	1	3	4	13	16
3-6	7.0		1	1	1	1	1	1	[illegible]	10
3-7,8	—		No Samples							
3-9	7.5		1	1	1	1	1	1	[illegible]	4
3-10	7.1		1	1	1	1	4	5	[illegible]	16
3-11	7.4		1	1	1	1	1	1	5	6
3-12	6.5		1	1	1	1	10	12	34	43
3-13	5.7		2	2	1	1	9	11	51	61
3-14,15	—		No Samples							
3-16	7.5		1	2	1	1	1	1	[illegible]	4
3-17	6.7		1	7	1	1	7	8	[illegible]	94
3-18	6.9		2	2	1	1	3	4	2	24
3-19	6.8		2	2	1	1	2	2	12	23
3-20	6.8		3	4	1	1	5	6	41	49
3-21,22	—		No Samples							
3-23	7.3		1	1	1	1	2	2	10	12
3-24	6.9		8	10	1	1	4	5	85	89
3-25	7.0	126,057 1.05	2	2	1	1	3	3	34	36
3-26	7.2		3	3	1	1	3	3	35	37
3-27	7.2		3	3	1	1	3	3	36	38
3-28,29	—		No Samples							
3-30	2.9		11	12	80	84	47	49	[illegible]	163
3-31	3.3		8	8	51	54	15	16	[illegible]	115*
4-1	6.5		1	4		1	4	4	13	45
4-2	6.8		3	3	1	1	2	2	[illegible]	27
4-3	6.9		3	3	1	1	5	10	33	35
4-4,5	—		No Samples							
4-6	6.9		2	2	1	1	3	3	33	35
4-7	6.9		3	3	1	1	4	4	39	41
4-8	7.1		1	1	1	1	2	8	12	13
4-9	7.3		1	1	1	1	5	10	26	27
4-10	7.3		2	2	1	1	2	2	21	22
4-11,12	—		No Samples							
4-13	6.8		1	1	1	1	3	3	31	33
4-14	6.8		1	1	1	1	3	3	17	18
4-15	7.2		2	2	1	1	4	4	37	39
4-16	7.1		3	3	1	1	2	2	40	42
4-17	[illegible]		4	4	1	1	7	7	72	76
4-18,19	—		No Samples							
4-20	[illegible]		1	1	1	1	1	1	12	13
4-21	[illegible]		1	1	1	1	1	1	2	2

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
4-22	[illegible]	[illegible]	[illegible]	10	[illegible]	163	[illegible]	56	[illegible]	102
4-23	[illegible]		[illegible]	10	[illegible]	148	[illegible]	51	21	107
4-24	[illegible]		2	10	[illegible]	133	[illegible]	51	19	97
4-25, 26	—				No Samples					
4-27	2.[illegible]		2	10	[illegible]	128	[illegible]	51	22	112
4-28	3.1		25	128	27	138	55	281	36	184
4-29	3.3	1,008,920 4.34	[illegible]	61	29	148	43	119	29	148
4-30	[illegible]		19	[illegible]	25	117	43	204	[illegible]	133
5-1	2.3		[illegible]	25	[illegible]	918	82	418	27	138
5-2,3	—				No Samples					
5-4	[illegible]		15	77	28	143	43	119	44	224
5-5	[illegible]		4	20	19	97	[illegible]	[illegible]	12	61
5-6	[illegible]		1	5	11	56	41	224	5	25
5-7	3.6		1	5	8	41	15	66	4	20
5-8	2.7		3	15	64	327	45	230	96	490
5-9, 10	—				No Samples					
5-11	4.5		5	25	10	51	5	25	13	66
5-12	4.8		1	5	11	56	4	20	3	15
5-13	4.0		2	10	21	107	7	36	16	82
5-14	4.1		10	51	17	87	7	36	21	107
5-15	3.6		5	25	45	230	10	51	25	127
5-16,17	—				No Samples					
5-18	—				No Samples					
5-19	—				No Samples					
5-20	—				No Samples					
5-21	3.7		1	5	33	168	7	36	3	15
5-22	[illegible]		4	20	42	[illegible]	25	127	6	31
5-23,24	—				No Samples					
5-[illegible]	—				No Samples					
5-[illegible]	—				No Samples					
5-27	2.8	[illegible] 2.78	24	67	56	156	53	147	109	303
5-28	3.0		32	90	42	117	47	131	68	189
5-29	[illegible]		58	161	36	100	48	133	116	322
5-30,31	—				No Samples					
6-1	[illegible]		[illegible]	120	93	259	48	133	143	355
6-2	[illegible]		36	100	231	642	96	267	107	297
6-3	[illegible]		25	70	66	183	45	125	48	133
6-4	3.1		26	[illegible]	53	147	47	131	30	83
6-5	3.4		11	31	27	75	39	108	20	56
6-6,7	—				No Samples					
6-8	4.5		14	39	5	14	10	28	23	64
6-9	3.2		12	33	30	83	45	125	19	53
6-10	2.5		14	39	44	122	27	75	31	86

PD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
102	4-22	7.0	126,057	1	1	1	1	4	4	29	30
107	4-23	7.4		1	1	1	1	1	1	14	15
97	4-24	7.5		1	1	1	1	1	1	2	2
→	4-25,26	—		←		No Samples					→
12	4-27	6.9		1	1	1	1	3	3	10	11
84	4-28	7.1		1	1	1	1	2	2	3	3
48	4-29	6.6	139,607 1.12	1	1	1	1	6	[illegible]	46	48
33	4-30	5.6		1	1	1	1	10	[illegible]	173	182
38	5-1	6.2		3	3	1	1	5	[illegible]	68	71
→	5-2,3	—		←		No Samples					
24	5-4	7.0		1	1	1	1	2	2	3	3
1	5-5	3.6		2	2	8	8	12	13	18	19
5	5-6	3.5		4	4	16	17	34	36	49	51
0	5-7	3.7		6	6	10	10	23	23	41	43
90	5-8	2.5		16	17	113	119	74	78	162	170
→	5-9,10	—		←		No Samples					→
6	5-11	3.7		2	2	14	15	8	8	21	22
	5-12	3.6		3	3	17	18	7	7	24	25
2	5-13	3.8		4	4	18	19	8	8	46	48
27	5-14	3.6		4	4	30	31	9	9	68	71
27	5-15	7.4		1	1	1	1	1	1	8	8
→	5-16,17	—		←		No Samples					→
→	5-18	7.1		1	1	1	1	1	1	5	5
→	5-19	6.9		1	1	1	1	2	2	15	16
→	5-20	6.8		2	2	1	1	2	2	21	22
	5-21	6.7		2	2	1	1	2	2	25	26
	5-22	6.7		2	2	1	1	3	3	32	34
→	5-23,24	—		←		No Samples					→
→	5-25	—		←		No Samples					→
→	5-26	5.9		2	2	1	1	6	6	63	66
3	5-27	5.7	123,821 1.03	4	4	1	1	8	8	101	104
9	5-28	6.3		3	3	1	1	6	6	33	11
22	5-29	6.5		2	2	1	1	4	4	10	10
→	5-30,31	—		←		No Samples					→
5	6-1	6.6		2	2	1	1	2	2	12	12
7	6-2	6.9		1	1	1	1	2	2	3	3
3	6-3	6.6		1	1	1	1	3	3	14	14
3	6-4	6.7		2	2	1	1	4	4	28	29
2	6-5	7.1		1	1	1	1	1	2	7	7
→	6-6,7	—		←		No Samples					→
1	6-8	6.8		3	3	1	1	3	3	27	28
5	6-9	7.1		1	1	1	1	1	1	4	4
6	6-10	7.0		2	2	1	1	2	2	12	12

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
[illegible]	[illegible]	333,395	7	19	38	106	36	100	25	71
[illegible]	[illegible]	276	8	22	54	150	3[illegible]	100	14	39
[illegible]			No Samples							
[illegible]	[illegible]		3	8	43	[illegible]	10	28	7	19
6-16	2.5		2	6	[illegible]	161	12	33	5	14
[illegible]	[illegible]		1	3	9[illegible]	264	19	53	4	11
6-18	2.4		1	3	1[illegible]	289	19	53	23	64
6-19	2.5		3	8	7[illegible]	[illegible]	11	31	3	8
6-20, 21	—		No Samples							
6-22	[illegible]		6	17	27	75	31	86	25	70
6-23	[illegible]		11	31	66	123	35	[illegible]	98	133
6-24	[illegible]	2.9, 285 183	9	18	41	75	19	35	23	42
6-25	3.1		7	13	55	101	22	40	18	33
6-26	2.4		16	29	74	135	36	66	71	130
6-27	2.4		17	31	121	221	53	97	57	104
6-28	—		No Samples							
6-29	[illegible]		190	348	126	231	84	154	111	203
6-30	4.0		167	306	113	207	67	123	136	249
7-1	[illegible]		15	27	69	126	46	84	40	73
7-2	[illegible]		37	68	33	[illegible]	85	156	36	66
7, 3, 4, 5	—		No Samples							
[illegible]	[illegible]		400	732	4[illegible]	911	220	[illegible]	238	436
[illegible]	—		No Samples							
7-8	[illegible]		65	119	[illegible]	93	49	90	68	124
7-9	3.6		181	331	29	[illegible]	84	154	117	214
7-10	2.0		44	81	234	428	103	188	126	231
7-11, 12	—		No Samples							
7-13	3.0		19	35	15	27	71	130	[illegible]	110
7-14	2.7		46	84	28	51	97	178	127	232
7-15	2.7		14	26	44	81	66	121	41	75
7-16	2.2		10	18	83	152	85	156	29	53
7-17	2.2		40	73	114	209	101	185	48.7	90
[illegible]	—		No Samples							
[illegible]	—		No Samples							
7-21	3.7		198	362	47	86	93	170	245	448
7-22	2.8		7	13	53	97	67	123	41	75
7-23	3.3		5	9	27	49	48	89	54	99
7-24	3.2		4	7	48	89	68	124	102	187
7-25, 26	—		No Samples							
7-27	2.7		4	7	46	84	48	89	98	174
7-28	2.2		3	5	80	146	58	106	180	329
7-29	2.1	222,000 1.85	4	7	80	148	49	91	114	211
7-30	1.8		4	7	160	296	64	118	99	183

DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
6-11	7.0	123,821	1	1	1	1	2	2	17	18
6-12	7.1	1.02	2	2	1	1	3	3	29	30
6-13,14	—		No Samples							
6-15	7.2		1	1	1	1	1	1	15	15
6-16	7.1		2	2	1	1	2	2	32	33
6-17	7.3		1	1	1	1	1	1	14	14
6-18	6.1		3	3	1	1	7	1	86	88
6-19	7.2		1	1	1	1	1	1	10	10
6-20,21	—		No Samples							
6-22	7.0		1	1	1	1	1	1	3	3
6-23	[illegible]		2	2	1	1	4	12	33	34
6-24	7.1	178,314	3	5	1	2	3	5	31	52
6-25	6.6	1.16	3	5	1	2	7	[illegible]	54	243
6-26	[illegible]		2	3	1	2	3	5	[illegible]	32
6-27	—		No Samples							
6-28	—		No Samples							
6-29	7.0		2	3	1	2	2	3	20	30
6-30	6.7		2	3	1	2	4	6	25	37
7-1	6.6		2	3	1	2	5	8	36	53
7-2	7.0		2	3	1	2	2	3	16	24
7,3,4,5	—		No Samples							
7-6	7.2		1	2	1		1	2	1	2
7-7	—		No Samples							
7-8	7.5		1	2	1	2	1	2	[illegible]	3
7-9	7.5		1	2	1	2	1	2	[illegible]	3
7-10	7.5		2	3	2	3	2	3	[illegible]	[illegible]
7-11,12	—		No Samples							
7-13	—		No Samples							
7-14	6.4		3	5	1	2	2	3	[illegible]	22
7-15	6.4		2	3	1	2	1	2	9	[illegible]
7-16	6.3		1	2	1	2	2	3	7	[illegible]
7-17	6.5		1	2	1	2	1	2	7	[illegible]
7-18,19	—		No Samples							
7-20	6.6		1	2	1	2	1	2	7	[illegible]
7-21	6.2		3	5	1	2	9	13	75	111
7-22	5.8		5	8	1	2	11	[illegible]	116	175
7-23	5.9		5	8	1	2	7	[illegible]	[illegible]	148
7-24	5.5		3	5	1	2	16	24	101	150
7-25,26	—		No Samples							
7-27	6.9		1	2	1	1	[illegible]	3	[illegible]	12
7-28	[illegible]		4	6	1	1	9	15	[illegible]	122
7-29	[illegible]	221,786 1.85	3	6	1	1	[illegible]	15	[illegible]	142
7-30	6.9		1	2	1	2	1	2	[illegible]	6

Cuyuna Unit

Date	pH	Flow	Lead PPM	Lead PPB	Nickel PPM	Nickel PPB	Zinc PPM	Zinc PPB	Copper PPM	Copper PPB
7-31		185	1		78		58	107	156	344
8-1,2			No Samples							
8-3			4	7	61	112	50	93	52	96
8-4			3	6	93	173	32	59	150	278
8-5	2.0		21		175	324	72	133	199	368
8-6	2.5		3	6	43	80	38	70	31	57
8-7	2.5		4	7	34	63	8	15	33	61
8-8,9			No Samples							
8-10			1	2	13	24	4	7	2	4
8-11			1	2	44	81	10	19	17	31
8-12			2	4	63	117	18	33	53	98
8-13			1	2	57	105	15	28	27	50
8-14			17		18	33	9	17	14	26
8-15,16			No Samples							
8-17			1	2	20	37	4	7	1	2
8-18			2	4	32	59	7	13	12	22
8-19			No Samples							
8-20			4	7	59	109	32	59	54	100
8-21			2	4	16	30	5	9	5	9
8-22,23			No Samples							
8-24			1	2	7	13	31	57	10	19
8-25			1	2	21	39	50	93	8	15
8-26		330,322 142	8	15	16	31	48	92	30	58
8-27			4	8	12	23	50	96	40	77
8-28			6	1	12	23	45	86	66	127
8-29,30,31			No Samples							
9-1			6	1	26	50	42	81	72	138
9-2			4	1	13	25	25	48	38	73
9-3	2.2		16	3	45	86	74	142	118	227
9-4	2.5		15		31	59	47	90	95	182
9-5,6			No Samples							
9-7	1.7		13	25	3	6	35	67	68	131
9-8	1.9		11	21	44	84	52	100	98	188
9-9	2.4		16	31	42	81	47	90	52	100
9-10	2.0		47		95	182	95	182	150	288
9-11	1.9		13	25	104	200	66	127	81	155
9-12,13			No Samples							
9-14	2.0		4	8	39	75	50	96	35	67
9-15	2.0		6	12	148	284	85	163	193	371
9-16	2.3		10	19	40	77	47	90	74	142
9-17	3.2		3	6	24	46	35	67	25	48
9-18	2.1		6	12	130	58	82	157	43	83
9-19,20			No Sample							

CORRO WEST

Date	pH	Flow	Lead ppm	Lead ppb	Nickel ppm	Nickel ppb	Zinc ppm	Zinc ppb	Copper ppm	Copper ppb
7-31	7.2	221,756	1	2	1	2	2	4	15	28
8-1,2	—	15	No Sample							
8-3	6.4		5	9	1	2	6	[illegible]	67	127
8-4	6.5		4	7	2	4	6	[illegible]	53	98
8-5	6.0		3	6	1	2	7	[illegible]	75	139
8-6	6.7		3	6	1	2	5	9	53	61
8-7	6.4		5	9	4	7	9	17	38	70
8-8,9	—		No Samples							
8-10	6.1		6	11	1	2	8	15	50	93
8-11	6.6		3	6	1	2	5	9	27	50
8-12	—		No Samples							
8-13	6.9		2	4	1	2	1	2	20	37
8-14	7.1		5	9	1	2	9	17	78	144
8-15,16	—		No Samples							
8-17	7.0		1	2	1	2	1	2	12	22
8-18	6.9		2	4	1	2	2	4	16	30
8-19	6.9		2	4	1	2	3	[illegible]	19	35
8-20	6.5		2	4	3	6	5	9	17	31
8-21	7.0		3	6	1	2	3	6	23	43
8-22,23	—		No Samples							
8-24	6.3		5	9	1	2	5	1	23	43
8-25	6.6		4	7	1	2	3	[illegible]	17	31
8-26	6.3	208,993 1.74	6	10	1	2	5	9	34	59
8-27	6.5		1	2	1	2	2	4	14	24
8-28	6.5		1	2	1	2	1	2	5	9
8-29,30,31	—		No Samples							
9-1	6.7		1	2	1	2	1	2	6	10
9-2	7.0		1	2	1	2	1	2	3	5
9-3	6.4		1	2	1	2	1	2	4	7
9-4	6.3		1	2	1	2	1	2	8	14
9-5,6	—		No Samples							
9-7	6.5		2	4	1	2	3	[illegible]	13	23
9-8	6.7		2	4	1	2	2	[illegible]	9	16
9-9	6.7		1	2	1	2	3	5	11	19
9-10	6.8		2	4	1	2	9	16	32	40
9-11	6.5		1	2	1	2	5	9	14	24
9-12,13	—		No Samples							
9-14	6.9		2	4	1	2	3	5	15	26
9-15	6.6		3	5	1	2	8	14	30	52
9-16	6.6		4	7	1	2	10	17	45	79
9-17	6.4		3	5	1	2	6	10	32	57
9-18	6.5		1	2	1	2	4	7	20	35
9-19,20			No Sample							

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
9-21	3.2	[illegible]	5.9	12	18.1	[illegible]	45.5	[illegible]	26.9	62
9-22	2.3	[illegible]	[illegible]	[illegible]	66.5	127	45.0	[illegible]	97.9	188
9-23	2.2	222,[illegible] 185	6.7	13	44.0	[illegible]	35.5	67	29.9	56
9-24	2.3		5.2	9	33.5	61	32.5	61	19.3	35
9-25	2.5		5.3	9	18.8	35	38.0	[illegible]	31.1	57
9-26,27			←		— No Sample —				→	
9-28	3.5		4.4	7	15.7	30	28.5	54	32.4	59
9-29	2.3		9.8	19	92.5	[illegible]	45.0	83	93.8	174
9-30	2.5		4.7	9	31.4	57	24.0	[illegible]	26.9	50
10-1	2.4		3.9	7	43.5	81	25.5	48	46.7	87
10-2	2.6	Y	4.5	9	13.4	[illegible]	26.5	[illegible]	14.8	28
[illegible]	-	222,300 185			No Sample					
[illegible]	[illegible]		3	[illegible]	[illegible]	[illegible]	38	70	15	28
[illegible]	[illegible]		[illegible]	11	12	155	43	80	65	120
10-7	[illegible]		4	[illegible]	[illegible]	102	41	76	33	61
10-8	[illegible]		5	9	110	204	44	[illegible]	66	122
10-9	2.4		4	7	121	224	42	78	84	155
10-10,11	-				No Sample					
10-12	3.5		3	[illegible]	9	[illegible]	22	41	19	35
10-13,14	-				No Sample					
10-15	2.5		4	7	[illegible]	[illegible]	36	[illegible]	62	115
10-16	2.5		5	[illegible]	[illegible]	96	33	61	52	96
10-17,18	-		←		No Sample				→	
10-19	[illegible]		14	26	6	[illegible]	80	148	100	185
[illegible]	[illegible]		3	[illegible]	125	[illegible]	100	185	90	167
[illegible]	[illegible]		5	[illegible]	90	[illegible]	100	185	60	111
[illegible]	[illegible]		4	[illegible]	100	185	80	148	60	111
[illegible]	[illegible]		7	13	60	111	38	70	60	111
[illegible]	[illegible]		←		No Sample				→	
[illegible]	[illegible]		3	[illegible]	55	102	38	70	30	56
[illegible]	[illegible]	Y	9	17	200	370	100	185	360	666
[illegible]	[illegible]		3	[illegible]	50	[illegible]	38	[illegible]	20	37
[illegible]	[illegible]		4	[illegible]	180	[illegible]	40	74	120	222
[illegible]	[illegible]		2	5	160	[illegible]	40	74	120	222
[illegible]					No Sample				→	
[illegible]	[illegible]		1	[illegible]	[illegible]	[illegible]	10	[illegible]	55	102
[illegible]	[illegible]		1	[illegible]	[illegible]	[illegible]	32	59	16	30
[illegible]	[illegible]		2	5	[illegible]	[illegible]	10	[illegible]	56	104
[illegible]	[illegible]		←		No Sample				→	
[illegible]	[illegible]		1	2	98		22	41	22	41
11-7,8	-		←		No Sample				→	
11-9	[illegible]		3	6	26	48	29	54	24	44
11-10	-	V	←		No Sample				→	

CERRO WEST

PPD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
52	9-21	6.7	208,593	2.0	4	<1.0	2	3.1	5	24.3	35
18	9-22	6.5		3.1	5	5.2	9	4.6	9	44.9	77
56	9-23	6.7	221,[illegible]	2.5	4	<1.0	2	2.7	6	27.3	50
35	9-24	6.8	185	1.3	2	<1.0	2	1.3	2	11.8	22
57	9-25	6.6		3.6	7	<1.0	2	5.4	9	57.9	107
	9-26,27					No Sample					
59	9-28	7.2		1.3	2	<1.0	2	1.5	2	5.1	9
74	9-29	6.6		1.2	2	1.5	2	1.2	2	2.3	4
50	9-30	6.4		1.3	2	<1.0	2	1.4	2	3.6	7
7	10-1	6.6		1.3	2	<1.0	2	1.1	2	5.4	9
8	10-2	6.9		2.0	4	<1.0	2	1.9	4	19.1	35
→	10-3,4	-				No Sample					
28	10-5	7.1		1	2	1	2	1	2	3	6
30	10-6	6.9		2	4	1	2	3	6	18	32
	10-7	7.0		2	4	1	2	1	2	15	28
22	10-8	6.8		1	2	1	2	2	4	[illegible]	20
5	10-9	6.5		3	[illegible]	1	2	9	17	46	85
→	10-10,11	—				No Sample					
5	10-12	6.9		1	2	1		10	19	13	24
→	10-13,14	-				No Sample					
5	10-15	6.9		2	4	1	2	7	13	27	50
6	10-16	7.0		2	4	1	2	8	15	37	68
→	10-17,18	—				No Sample					
85	10-19	6.7		2	4	1	2	4	7	20	37
7	10-20	6.6		2	4	1	2	3	6	50	93
4	10-21	6.8		1	2	1	2	3	6	15	28
1	10-22	6.8		1	2	1	2	5	9	30	56
1	10-23	6.4		3	6	1	2	10	19	30	56
→	10-24,25	-				No Sample					
56	10-26	6.7		3	6	1	2	6	11	20	37
6	10-27	6.9		2	4	1	2	3	6	15	28
[illegible]	10-28	[illegible]		1	[illegible]	1	[illegible]	5	[illegible]	14	26
32	10-29	[illegible]		3	[illegible]	1	[illegible]	10	[illegible]	19	[illegible]
22	10-30	[illegible]		3	[illegible]	1	[illegible]	9	[illegible]	[illegible]	[illegible]
→	10-31,11-1	—				No Sample					
2	11-2	[illegible]		1	[illegible]	1	[illegible]	3	[illegible]	17	[illegible]
2	11-3	[illegible]		3	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	11-4	[illegible]		1	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
→	11-5	[illegible]		1	[illegible]	1	[illegible]	3	[illegible]	15	[illegible]
	11-6	[illegible]		2	[illegible]	No Sample					
→	11-7,8	—						2	[illegible]	12	[illegible]
1	11-9	[illegible]		1	2	No Sample					
→	11-10	—									

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.78	514
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	74
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76	31	57
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	4	9	9	17	[illegible]	[illegible]	[illegible]	19
[illegible]	[illegible]	[illegible]	6	4	29	[illegible]	37	[illegible]	[illegible]	39
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	38	70
[illegible]	[illegible]	[illegible]	12	[illegible]	113	[illegible]	52	[illegible]	140	359
[illegible]	[illegible]	[illegible]	3	6	123	316	38	[illegible]	109	202
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	2	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	19	10	19
[illegible]	[illegible]	[illegible]	2	6	[illegible]	46	[illegible]	[illegible]	18	33
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	14	[illegible]	15	26	[illegible]	50	24	44
[illegible]	[illegible]	[illegible]	8	15	50	[illegible]	[illegible]	[illegible]	26	48
[illegible]	[illegible]	[illegible]	4	[illegible]	38	75	[illegible]	[illegible]	22	41
[illegible]	[illegible]	[illegible]	6	[illegible]	42	38	[illegible]	72	25	46
[illegible]	[illegible]	[illegible]	6	[illegible]	22	[illegible]	[illegible]	[illegible]	21	39
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	28
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	5	[illegible]	77	[illegible]	45	[illegible]	118	218
[illegible]	[illegible]	[illegible]	5	1	[illegible]	5[illegible]	[illegible]	[illegible]	29	14
[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	52
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	5	[illegible]	5	[illegible]	10	19	[illegible]	64
[illegible]	[illegible]	[illegible]	12	22	23	[illegible]	22	[illegible]	[illegible]	23
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	3[illegible]	[illegible]	[illegible]	81
[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	77	42	[illegible]	68	126
[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	7	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35	[illegible]	[illegible]	[illegible]	126
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	85
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
[illegible]	[illegible]	[illegible]	8	15	[illegible]	[illegible]	15	[illegible]	24	44
[illegible]	[illegible]	[illegible]	[illegible]	1	20	37	6	11	13	24
[illegible]	[illegible]	[illegible]	No Samples							
[illegible]	[illegible]	[illegible]	1	20	3	6	36	67	36	67
[illegible]	[illegible]	[illegible]	No Samples							

CERRO WEST

...R PPD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
514	11-12	6.9	222,392	2	4	1	2	3	6	30	56
14	11-12	6.8		4	7	1	2	4	7	40	79
57	11-13	6.8		3	[illegible]	1	2	3	6	31	57
→	11-14,15	-		←		No Samples					→
9	11-16	7.0		1	2	1	2	1	2	2	4
59	11-17	6.9		1	2	1	2	1	[illegible]	[illegible]	4
70	11-18	7.0		1	2	1	2	1	2	[illegible]	7
59	11-19	7.0		1	2	1	2	1	2	2	4
02	11-20	7.1		1	2	1	2	1	2	1	2
→	11-21,22	-		←		No Samples					→
1	11-23	7.0		1	2	1	2	1	2	[illegible]	2
1	11-24	6.7		1	2	1	2	1	2	2	2
3	11-25	6.4	[illegible]	1	2	1	2	1	2	8	14
→	11-26,27,28,29	-	1.79	←		No Samples					→
4	11-30	6.8		1	[illegible]	1	2	1	2	2	4
8	12-1	6.6		1	2	1	2	1	2	2	11
1	12-2	6.7		1	2	1	2	1	2	2	4
[illegible]	12-3	6.8		1	2	1	2	1	2	2	4
1	12-4	6.9		1	2	1	2	1	2	7	[illegible]
→	12-5,6	-		←		No Samples					→
8	12-7	6.5		1	2	1	2	3	5	18	32
→	12-8	6.6		1	2	1	2	5	9	26	48
8	12-9	6.5		1	2	1	2	3	5	26	48
4	12-10	6.4		2	4	1	2	5	9	27	48
2	12-11	6.3		1	2	1	2	5	9	41	73
→	12-12,13	-		←		No Samples					→
4	12-14	6.7		1	2	1	2	3	5	19	34
3	12-15	6.8		1	2	1	2	3	5	24	44
7	12-16	6.7		1	2	1	2	1	2	11	20
6	12-17	6.8		1	2	1	2	2	4	23	41
9	12-18	6.7		1	2	1	2	2	4	33	59
→	12-19,20	-		←		No Samples					→
0	12-21	6.4		1	2	1	2	[illegible]	1	[illegible]	48
6	12-22	6.6		1	2	1	2	[illegible]	5	[illegible]	45
→	12-23,24	-	199,486 [illegible]	←		No Samples					→
5	12-25	7.1		1	2	1	2	1	[illegible]	6	12
→	12-26,27	-		←		No Samples					→
6	12-28	7.1		1	2	1	2	4	7	24	40
1	12-29	6.9		3	5	1	2	5	8	36	[illegible]
1	12-30	7.0		1	2	1	2	5	8	30	50
→	12-31	-		←		No Samples					→
7	1-1	7.2		1	2	1	2	1	2	6	10
→	1-2,3	-		←		No Samples					→

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
1-4-87	—	222,000	No Samples							
1-5	2.4		7	13	24	44	29	54	63	117
1-6	4.0		12	22	12	22	35	65	35	65
1-7	2.6		6	11	17	31	25	46	37	68
1-8	2.1		10	19	76	141	36	67	220	407
1-9,10	—		No Samples							
1-11	2.6		5	9	17	31	29	54	23	43
1-12	2.7		8	15	18	33	12	22	18	33
1-13	2.1		3	6	44	81	7	13	15	28
1-14	2.1		2	5	47	87	6	11	9	17
1-15	2.0		2	5	53	98	7	13	21	39
1-16,17	—		No Samples							
1-18	4.9		2	5	7	13	3	6	20	37
1-19	2.1		2	5	30	56	6	11	18	33
1-20	2.2		2	5	43	80	7	13	27	50
1-21	2.1		2	5	52	96	10	19	28	52
1-22	—		No Samples							
1-23,24	—		No Samples							
1-25	2.9	222,000	2	5	11	20	3	6	2	5
1-26	4.4		3	6	11	20	2	5	3	6
1-27	2.3		12	22	33	61	36	67	46	85
1-28	2.0		6	11	25	46	40	74	37	68
1-29	5.5		4	7	4	7	24	44	15	28
1-30,31	—		No Samples							
2-1	6.1		4	7	4	7	14	26	21	39
2-2	2.1		3	6	23	43	13	24	25	46
2-3	2.1		3	6	25	46	9	17	15	28
2-4	2.6		5	9	19	35	35	65	31	57
2-5	2.2		6	11	44	81	35	65	94	174
2-6,7	—		No Samples							
2-8	3.7		16	30	8	15	46	85	34	63
2-9	2.2		10	19	10	19	39	72	86	159
2-10	2.2		4	7	46	85	35	65	51	94
2-11	2.2		10	19	41	76	43	80	90	167
2-12	2.2		7	13	103	911	90	167	72	133
2-13,14	—		No Samples							
2-15	2.4		4	7	28	52	35	65	14	26
2-16	2.1		6	11	74	137	72	133	38	70
2-17	2.2		6	11	53	98	79	146	10	19
2-18	1.9		5	9	53	98	36	67	72	133
2-19	1.8		8	15	53	98	39	72	65	120
2-20,21	—		No Samples							
2-22	2.1		3	6	41	76	23	43	29	54

CERRO WEST

PD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
→	1-4-87	7.2	199,486	1	2	1	2	2	3	15	25
7	1-5	7.1		1	2	1	2	2	3	27	45
5	1-6	6.8		1	2	1	2	8	13	20	33
8	1-7	7.0		2	3	1	2	4	7	20	33
07	1-8	6.9		2	3	1	2	4	7	22	37
→	1-9,10	—		←		No Sample					→
3	1-11	7.3		1	2	1	2	2	3	15	25
3	1-12	7.4		2	3	1	2	2	3	18	30
8	1-13	6.9		1	2	1	2	2	3	18	30
7	1-14	6.9		1	2	1	2	2	3	19	32
7	1-15	6.9		1	2	1	2	2	3	13	22
→	1-16,17	—		←		No Sample					→
7	1-18	7.1		1	2	1	2	3	5	13	22
3	1-19	7.1		1	2	1	2	4	7	21	35
0	1-20	7.4		1	2	1	2	2	3	16	27
2	1-21	7.1		1	2	1	2	2	3	11	18
→	1-22	7.1		3	5	1	2	2	3	23	38
→	1-23,24	—		←		No Sample					→
	1-25	7.4	283,500	3	8	1	2	2	6	16	38
	1-26	7.1		3	8	1	2	2	5	7	17
5	1-27	7.3		2	5	1	2	2	5	8	19
8	1-28	6.8		1	2	1	2	1	2	3	8
8	1-29	6.8		1	2	1	2	1	2	6	14
→	1-30,31	—		←		No Sample					→
9	2-1	6.9		1	2	1	2	1	2	10	24
6	2-2	7.1		1	2	1	2	1	2	7	17
8	2-3	7.1		1	2	1	2	2	5	11	26
7	2-4	6.7		1	2	1	2	1	2	3	8
4	2-5	6.7		2	8	1	2	4	9	28	66
→	2-6,7	—		←		No Sample					→
5	2-8	—		←		No Sample					→
9	2-9	7.0		1	2	1	2	1	2	5	12
1	2-10	7.3		1	2	1	2	1	2	3	8
	2-11	7.3		1	2	1	2	1	2	5	12
3	2-12	7.0		1	2	2	5	3	8	19	45
→	2-13,14	—		←		No Sample					→
6	2-15	7.5		1	2	1	2	2	5	17	40
0	2-16	7.1		1	2	1	2	3	8	19	45
1	2-17	7.3		1	2	1	2	2	5	8	19
3	2-18	6.8		1	2	1	2	2	5	11	26
0	2-19	7.0		1	2	1	2	2	5	13	31
→	2-20,21	—		←		No Sample					→
	2-22	7.0		1	2	1	2	2	5	16	27

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
2-23-87	1.7	222,000	3	6	129	239	49	91	54	100
2-24	1.9	343,428	6	17	47	134	37	106	37	106
2-25	1.8		6	17	92	263	63	180	76	217
2-26	2.0		8	23	50	143	23	66	42	120
2-27,28	—		No Sample							
3-1	2.1		4	11	32	92	17	49	25	72
3-2	1.8		10	29	44	126	37	106	100	286
3-3	2.1		21	60	36	103	30	86	41	117
3-4	2.2		5	14	61	174	47	134	65	186
3-5	1.9		8	23	93	266	41	117	128	366
3-6,7	—		No Sample							
3-8	5.4		3	9	8	23	18	51	7	20
3-9	3.2		10	29	36	103	42	120	21	60
3-10	2.5		17	49	47	134	35	100	53	151
3-11	2.3		14	40	61	174	47	134	73	209
3-12	2.3		18	61	59	169	41	117	48	137
3-13,14	—		No Sample							
3-15	2.3		21	60	66	189	75	215	92	263
3-16	2.3		20	57	77	220	64	183	90	257
3-17	2.6		19	54	44	126	36	103	33	94
3-18	2.1		22	63	53	152	26	74	46	132
3-19	1.9		20	57	81	232	46	132	90	257
3-20,21	—		No Sample							
3-22	2.2		23	66	23	66	22	63	37	106
3-23	2.0		15	43	43	123	34	97	57	163
3-24	2.2	375,143	21	65	28	87	35	100	35	100
3-25	2.0		8	25	55	171	38	118	50	14
3-26	2.0		7	22	53	164	43	133	58	180
3-27,28	—		No Sample							
3-29	3.6		8	25	15	47	22	68	28	87
3-30	3.5		15	47	28	87	51	158	41	127
3-31	2.6		12	37	89	276	55	171	77	239
4-1	2.2		16	50	76	236	55	171	40	124
4-2	2.2		6	19	45	140	41	127	28	87
4-3,4	—		No Sample							
4-5	5.1		17	53	5	16	23	71	43	133
4-6	2.6		19	59	38	118	38	118	46	143
4-7	2.5		15	47	38	118	28	87	28	87
4-8	2.3		18	56	38	118	32	99	29	90
4-9	2.3		14	43	42	130	19	59	27	84
4-10,11	—		No Sample							
4-12	4.2		19	59	12	37	18	56	39	121
4-13	2.5		16	50	44	136	15	47	78	242
4-14	2.5		5	16	43	133	30	93	19	59

CERRO WEST

PD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
20	2-23-87	6.7	283,500	1	2	1	2	2	5	22	52
16	2-24	6.9	237,343	1	2	1	2	2	2	17	34
17	2-25	7.0		1	2	1	2	1	2	10	20
20	2-26	6.9		1	2	1	2	2	4	11	22
→	2-27,28	—		No Samples							
2	3-1	7.3		1	2	1	2	1	2	1	2
86	3-2	7.3		1	2	1	2	1	2	1	2
7	3-3	7.1		1	2	1	2	1	2	1	2
16	3-4	7.2		1	2	1	2	1	2	1	2
6	3-5	7.3		1	2	1	2	1	2	9	18
→	3-6,7	—		No Samples							
0	3-8	7.2		1	2	1	2	1	2	2	4
0	3-9	6.6		1	2	1	2	1	2	3	6
4	3-10,1	6.7		1	2	1	2	1	2	4	8
9	3-11	6.8		1	2	1	2	1	2	8	18
7	3-12	7.0		1.	2	1	2	2	4	10	20
→	3-13,14	—		No Samples							
63	3-15	7.2		1	2	1	2	1	2	5	10
7	3-16	7.2		2	4	1	2	3	6	25	49
1	3-17	7.2		1	2	1	2	3	6	14	28
2	3-18	6.8		3	6	22	43	7	14	107	211
7	3-19	6.7		2	2	1	2	3	6	22	43
→	3-20,21	—		No Samples							
6	3-22	6.7		2	2	1	2	5	10	25	49
3	3-23	6.9		1	2	1	2	2	4	21	41
0	3-24	6.8	252,829	1	2	1	2	3	6	33	69
	3-25	7.1		2	4	3	6	4	8	46	97
0	3-26	6.9		1	2	1	2	4	8	35	74
→	3-27,28	—		No Samples							
7	3-29	7.1		1	2	1	2	3	6	21	44
7	3-30	6.9		1	2	1	2	3	6	27	57
9	3-31	7.2		1	2	1	2	3	6	15	32
4	4-1	7.4		1	2	1	2	2	4	19	40
7	4-2	7.3		1	2	1	2	3	6	15	32
→	4-3,4	—		No Samples							
3	4-5	7.3		2	4	1	2	2	4	17	36
3	4-6	7.5		2	4	1	2	2	4	14	29
	4-7	7.5		3	6	1	2	5	10	41	86
0	4-8	6.7		1	2	1	2	1	2	11	23
1	4-9	7.1		1	2	1	2	1	2	17	36
→	4-10,11	—		No Samples							
1	4-12	7.0		1	2	1	2	1	2	15	32
2	4-13	7.1		1	2	1	2	1	2	5	10
	4-14	6.5		2	4	1	2	2	4	21	44

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
4-15	—	375,143	No Samples							
4-16,17,18	—		No Samples							
4-19	2.3		1.	3	23	71	5	16	7	22
4-20	2.5		10	31	16	50	6	19	10	31
4-21	—		No Samples							
4-22	2.1		1	3	31	96	5	16	23	71
4-23	3.0		1	3	10	31	2	6	8	25
4-24,25	—		No Samples							
4-26	6.0		1	3	4	12	2	6	4	12
4-27	2.1		2	6	32	99	6	19	13	40
4-28	2.0	330,071	3	8	58	160	8	22	21	58
4-29	2.0		3	8	52	143	9	25	18	50
4-30	2.7		12	33	16	44	22	61	56	154
5-1,2	—		No Samples							
5-3	2.6		15	41	18	50	13	36	71	195
5-4	—		No Samples							
5-5	2.0		7	19	54	149	38	105	53	146
5-6	1.9		10	28	71	195	46	127	104	286
5-7	2.0		6	17	75	206	46	127	38	105
5-8,9	—		No Samples							
5-10	2.1		10	28	28	77	26	72	24	66
5-11	1.9		12	33	57	157	37	102	50	138
5-12	2.0		4	11	56	154	27	74	11	30
5-13	1.8		7	19	140	385	26	72	40	110
5-14	2.9		10	28	52	143	27	74	33	91
5-15,16	—		No Samples							
5-17	2.5		13	36	26	72	23	63	36	99
5-18	2.1		7	19	37	102	44	121	40	110
5-19	2.2		6	17	33	91	30	83	29	80
5-20	2.1		4	11	34	94	21	58	18	50
5-21	4.6		2	6	10	28	5	14	13	36
5-22,23,24	—		No Samples							
5-25	1.7		5	14	64	176	45	124	82	226
5-26	1.6	318,464	7	19	119	315	67	178	135	358
5-27	1.7		8	21	53	140	65	172	39	103
5-28	1.7		7	19	57	151	60	159	43	114
5-29,30	—		No Samples							
5-31	1.7		10	26	43	114	57	151	48	127
6-1	1.7		9	24	62	164	40	106	78	207
6-2	1.8		8	21	49	130	42	111	68	180
6-3	2.0		9	24	23	61	50	133	36	95
6-4	1.9		8	21	61	162	57	151	53	140
6-5,6	—		No Samples							

CERRO WEST

PPD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
→	4-15	6.8	252,829	1	2	1	2	1	2	17	36
→	4-16,17,18	—		No Samples							
22	4-19	6.9		1	2	1	2	1	2	7	15
31	4-20	6.7		1	2	1	2	1	2	16	34
→	4-21	6.8		1	2	1	2	1	2	20	42
71	4-22	6.8		1	2	1	2	1	2	21	44
25	4-23	6.7		1	2	1	2	2	4	30	63
→	4-24,25	—		No Samples							
12	4-26	7.0		1	2	1	2	2	4	17	36
10	4-27	6.7		1	2	1	2	2	4	20	42
58	4-28	7.2	300,500	1	2	1	2	1	2	8	20
50	4-29	7.1		1	2	1	2	1	2	3	7
154	4-30	6.8		1	2	1	2	1	2	3	7
→	5-1,2	—		No Samples							
195	5-3	6.9		1	2	1	2	1	2	14	35
→	5-4	6.7		1	2	1	2	1	2	11	28
46	5-5	6.8		2	5	1	2	3	7	23	58
286	5-6	6.9		1	2	1	2	2	5	16	40
05	5-7	6.9		3	7	1	2	5	12	31	78
→	5-8,9	—		No Samples							
56	5-10	7.1		1	2	1	2	2	5	21	53
138	5-11	7.0		2	5	1	2	3	7	26	65
30	5-12	6.7		2	5	1	2	2	5	24	60
10	5-13	7.1		2	5	1	2	2	5	21	53
1	5-14	7.0		2	5	1	2	2	5	21	53
→	5-15,16	—		No Samples							
19	5-17	6.9		2	5	1	2	2	5	24	60
10	5-18	6.8		2	5	1	2	2	5	23	58
50	5-19	6.8		2	5	1	2	2	5	26	65
70	5-20	7.0		1	2	1	2	1	2	13	33
6	5-21	7.2		1	2	1	2	2	5	15	38
→	5-22,23,24	—		No Samples							
26	5-25	6.8		1	2	1	2	3	7	25	63
58	5-26	6.9	331,000	1	3	1	3	3	8	20	55
53	5-27	6.6		1	3	1	3	1	3	9	25
14	5-28	6.7		1	3	1	3	1	3	8	22
→	5-29,30	—		No Samples							
27	5-31	7.0		1	3	1	3	1	3	4	11
07	6-1	6.8		1	3	1	3	1	3	20	55
0	6-2	6.6		2	6	1	3	3	8	9	25
5	6-3	6.7		2	6	1	3	5	14	14	39
140	6-4	6.5		2	6	1	3	7	19	21	58
→	6-5,6	—		No Samples							

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
6-7	2.0	318,464	2	5	101	268	25	66	59	156
6-8	1.9		2	5	151	400	34	90	85	225
6-9	1.9		5	13	90	239	19	50	55	146
6-10	1.9		2	5	144	382	23	61	134	355
6-11	2.0		2	5	115	305	20	53	81	215
6-12,13	—		No Samples							
6-14	2.0		1	3	72	191	12	32	79	209
6-15	1.9		1	3	212	562	36	95	233	617
6-16	2.2		1	3	57	151	11	29	20	53
6-17	2.7		5	13	77	204	41	109	16	42
6-18	2.0		12	32	121	320	45	119	126	334
6-19,20	—		No Samples							
6-21	1.9		8	21	44	117	42	111	19	50
6-22	1.7		17	46	64	170	39	103	96	254
6-23	—	318,714	No Samples							
6-24	1.7		6	16	90	239	69	183	68	260
6-25	1.8		6	16	74	196	66	175	71	188
6-26,27	—		No Samples							
6-28	2.0		9	24	31	82	34	90	26	69
6-29	1.9		4	11	47	125	20	53	32	85
6-30	2.0		3	8	44	117	9	24	22	58
7-1	5.7		7	19	4	11	18	48	27	72
7-2	1.8		8	21	24	64	30	80	32	85
7-3,4	—		No Samples							
7-5	1.4		7	19	154	408	48	127	575	1524
7-6	—		No Samples							
7-7	2.2		4	11	33		24	64	28	74
7-8	1.6		25	66	44	117	120	318	102	270
7-9	1.6		26	69	66	175	70	186	89	236
7-10,11	—		No Samples							
7-12	—		No Samples							
7-13	—		No Samples							
7-14	2.1		18	48	75	199	30	80	84	223
7-15	1.7		14	37	82	217	24	64	73	193
7-16	2.0		12	32	98	260	57	151	124	329
7-17,18	—		No Samples							
7-19	1.9		11	29	190	504	81	215	366	970
7-20	—		No Samples							
7-21	2.0		13	34	89	236	95	252	180	318
7-22	2.1		11	29	59	156	127	337	101	268
7-23	2.0		10	27	55	146	86	228	60	159
7-24,25,26,27	—		No Samples							
7-28	—	318,893	No Samples							

CERRO WEST

PD	DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
56	6-7	7.0	331,000	1	3	7	19	3	8	63	174
25	6-8	6.8		2	6	1	3	5	14	32	88
46	6-9	6.6		2	6	2	6	3	8	17	47
55	6-10	6.7		2	6	1	3	4	11	20	55
25	6-11	6.9		1	3	1	3	4	11	17	47
→	6-12,13	—		←		No Samples				→	
209	6-14	6.8		1	3	1	3	4	11	19	52
17	6-15	6.8		2	6	1	3	3	8	27	75
53	6-16	7.0		1	3	1	3	1	3	16	44
12	6-17	7.2		1	3	1	3	1	3	1	3
39	6-18	7.4		1	3	1	3	1	3	1	3
→	6-19,20	—		←		No Samples				→	
0	6-21	6.6		1	3	1	3	1	3	1	3
54	6-22	6.6	↓	1	3	1	3	1	3	9	25
→	6-23	6.7	170,943	1	1	1	1	3	4	14	20
260	6-24	6.7		1	1	1	1	3	4	15	21
84	6-25	6.8		2	3	1	1	2	3	14	20
→	6-26,27	—		←		No Samples				→	
59	6-28	6.7		1	1	1	1	2	3	14	20
15	6-29	6.8		1	1	1	1	2	3	15	21
58	6-30	6.6		2	5	1	1	3	4	19	27
72	7-1	6.4		1	1	1	1	2	3	8	11
55	7-2	6.6		8	11	1	1	12	17	49	69
→	7-3,4	—		←		No Samples				→	
524	7-5	6.9		1	1	1	1	1	1	7	10
→	7-6	6.6		1	1	1	1	1	1	7	10
14	7-7	6.4		1	1	1	1	1	1	3	4
270	7-8	6.8		1	1	1	1	1	1	3	4
36	7-9	7.0		1	1	1	1	1	1	4	6
→	7-10,11	—		←		No Samples				→	
→	7-12	6.5		1	1	1	1	1	1	6	8
→	7-13	6.7		1	1	1	1	1	1	2	3
23	7-14	6.5		1	1	1	1	1	1	3	4
13	7-15	7.3		1	1	1	1	1	1	2	3
29	7-16	6.5		1	1	1	1	1	1	3	4
→	7-17,18	—		←		No Samples				→	
70	7-19	6.9		1	1	1	1	1	1	2	3
→	7-20	—		←		No Samples				→	
18	7-21	—		←		No Samples				→	
68	7-22	6.8		1	1	1	1	1	1	4	6
59	7-23	6.3		1	1	1	1	1	1	11	15
→	7-24,25,26,27	—	↓	←		No Samples				→	
→	7-28	6.3	219,750	1	2	1	2	1	2	11	20

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPB	NICKEL PPM	NICKEL PPB	ZINC PPM	ZINC PPB	COPPER PPM	COPPER PPB
7-29	2.2	316,893	12	32	.15	40	14	37	.48	48
7-30	2.2		14	37	.120	477	49	183	.48	1221
7-31	—				SOLID SAMPLE					
8-8	2.2		6	16	.37	98	41	104	.18	48
8-7	1.2		7	19	.74	196	75	209	.55	44
8-8	2.2		11	29	.175	4464	104	276	.25	1271
8-9	—		13	34	.102	270	69	170	.22	2941
8-10	2.4				SOLID SAMPLE					
8-11	2.2		7	19	.44	130	54	140	.131	365
8-12	3.2		9	14	.76	201	55	141	.60	1147
8-13	1.2		53	140	.111	305	33	101	.24	1146
8-14	2.2		11	29	.44	130	40	111	.16	1126
8-15	1.2		14	37	.23	85	42	95	.85	242
8-16	2.2		5	13	.13	167	24	111	.25	1142
8-17	1.2		7	14	.53	140	25	138	.74	1150
8-18	1.2		10	27	.2.5	101	20	80	.55	53
8-19	1.2		12	32	.38	130	.5	122	.96	282
8-20	1.1		20	53	.45	130	.5	140	.5.3	111
8-21	—		12	32	.41	109				
8-22	0.2				SOLID SAMPLE					
8-23	1.1	214,542	19	34	.46	98	104	104	.17	34
8-24	1.5		23	41	.85	201	46	111	.14	121
8-25	2.0		17	30	.38	89	71	181	.20	201
8-26	1.2		10	18	.1	2	71	111	.14	121
8-27	5.3		17	30	.9	23	.53	58	.44	58
8-28	—		30	53	.9	71	.53	101	.52	101
8-29	5.3		9	16	.45	81	.47	58	.22	58
8-30	1.1		10	18	.47	111	.47	80	.25	111
8-31	1.2		7	11	.53	111	.38	57	.80	111
9-1	1.3		11	20	.47	81	.45	80	.22	75
9-2	5.3		30	53	.9	23				
9-3	—		17	30	.1	2				
9-4	1.1		10	18	.98	141				
9-5	1.2		26	46	.2	5				
9-6	5.4				SOLID SAMPLE					
9-7	—				.4	7				
9-8	1.1		1	2	.2	4	.1	12	.2	82
9-9	1.1		2	4	.37	130	.84	24	.45	24
9-10	5.3		1	2	.98	41	.55	5	.1	1
9-11	—				.12	130	.55	12		
9-12	—				.4	7				
9-13	1.1		1	2	.2	4	.1	12	.2	82
9-14	9.3				SOLID SAMPLE					

Flow: 316,893 (7-29 to 8-9); 214,542 (8-23 to 9-14)

CERRO WEST

ppd	Date	pH	Flow	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd
18	7-29	6.6	219,750	2	4	1	2	5	9	19	35
277	7-30	6.5		2	4	1	2	3	5	17	31
→	7-31, 8-1,2	—		No Samples							
18	8-3	6.9		1	2	1	2	4	7	17	31
27	8-4	6.9		1	2	1	2	5	9	13	24
463	8-5	6.6		5	9	1	2	3	5	43	79
34	8-6	6.6		1	2	1	2	5	9	27	49
→	8-7, 8	—		No Samples							
→	8-9	6.6		2	4	1	2	5	9	26	48
60	8-10	6.8		1	2	1	2	5	9	21	38
564	8-11	6.8		1	2	1	2	1	2	6	11
216	8-12	6.8		1	2	1	2	1	2	9	16
241	8-13	6.5		2	4	1	2	5	9	29	53
→	8-14, 15	—		No Samples							
260	8-16	7.0		1	2	1	2	1	2	7	13
44	8-17	6.8		2	4	1	2	6	11	38	70
30	8-18	6.5		2	4	1	2	4	7	34	62
46	8-19	6.7		1	2	1	2	2	4	12	22
13	8-20	6.6		2	4	1	2	4	7	23	42
→	8-21, 22	—		No Samples							
[illegible]	8-23	6.6		1	2	1	2	3	5	5	9
11	8-24	6.6		1	2	1	2	2	4	5	9
125	8-25	6.6	204,571	1	2	1	2	3	5	13	22
182	8-26	6.6		1	2	1	2	2	3	13	22
18	8-27	6.5		1	2	1	2	2	3	13	22
→	8-28, 29	—		No Samples							
57	8-30	6.7		1	2	1	2	2	3	7	12
52	8-31	6.6		1	2	1	2	4	7	33	56
67	9-1	6.2		3	5	1	2	8	14	47	80
37	9-2	6.4		2	3	1	2	3	5	39	66
60	9-3	6.3		1	2	4	7	6	10	37	63
→	9-4, 5, 6	—		No Samples							
39	9-7	6.1		1	2	1	2	1	2	2	3
142	9-8	6.3		1	2	1	2	4	7	14	24
→	9-9	6.4		1	2	1	2	3	5	14	24
64	9-10	6.3		1	2	1	2	6	10	36	61
→	9-11, 12	—		No Samples							
→	9-13	6.5		1	2	1	2	7	12	21	36
2	9-14	6.4		1	2	1	2	8	14	26	44
96	9-15	6.6		1	2	1	2	4	7	18	31
43	9-16	6.2		2	3	3	5	3	5	8	14
50	9-17	6.4		1	2	1	2	5	9	58	99
→	9-18, 19	—		No Samples							

CERRO EAST

DATE	pH	FLOW	LEAD PPM	LEAD PPB	NICKEL PPM	NICKEL PPB	ZINC PPM	ZINC PPB	COPPER PPM	COPPER PPB
9-20	—	214,542			NO SAMPLE	NO SAMPLE				
12-9	8.1		1	2	3.5	49	23	41	15	9
22-9	8.1		1	2	1	2	1	2	13	23
22-9	8.1		4	7	14	28	15	27	9	16
22-12	7.5		—	—	NO SAMPLE	NO SAMPLE				
6-22	5.5		10	17	2	2	-35	22	-35	29
6-24	4.4	101,512	21	12	93	116	77	128	41	57
6-30	4.1		-5	9	100	178	96	176	-35	29
1-01	4.1		-15	22	27	9	53	69	14	34
3-01	—		—	—	NO SAMPLE	NO SAMPLE				
4-01	—		—	—	NO SAMPLE	NO SAMPLE				
5-01	—		—	—	NO SAMPLE	NO SAMPLE				
7-01	—		—	—	NO SAMPLE	NO SAMPLE				
8-01	—		—	—	NO SAMPLE	NO SAMPLE				
10-9,11	4.5		16	62	1	98	50	112	54	54
11-01	2.4		10	40	48	115	83	188	277	93
21-01	1.2		9	29	99	111	44	202	141	144
31-01	0.2		11	42	213	150	145	144	93	144
43-01	1.2		14	62	2	122	96	202	54	144
11-10,12	2.3		9	21	41	99	77	126	141	52
15-01	1.2		7	21	58	101	93	181	47	130
16-01	0.2		7	21	25	141	511	139	23	322
21-01	1.1		9	31	97	101	181	134	70	321
22-01	2.2		10	31	141	181	70	321	-11	207
22-12-01	5.2		—	—	NO SAMPLE	NO SAMPLE				
22-22-01	7.2		21	12	18	77	20	102	44	24
22-32-01	—		—	—	NO SAMPLE	NO SAMPLE				
32-01	7.2	214,412	12	31	43	76	38	46	36	26
34-01	5.2		11	31	44	81	22	34	34	20
39-01	7.2		7	31	42	77	20	102	41	24
42-01	7.2		7	21	27	56	35	34	13	38
52-01	6.3		8	14	11	20	32	46	15	93
62-01	5.2		5	21	5	44	35	29	34	62
72-01	7.4		7	21	1	9	15	53	13	47
82-01	7.2		7	21	9	2	51	93	27	49
92-01	4.5		15	35	14	32	59	59	76	136
8-11	—									
7-11	1.9									
11-1-11	7.4									
11-3-11	4.2									
11-2-11	5.2									
11-1-11	6.3									
11-10-01	—									
12-29-01	5.2									
1-29-01	7.2									
1-27-01	7.2									

CERRO WEST

IRON ppb	DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
→	9-20	6.0	204,571	2	3	1	2	6	10	63	107
→	9-21	—		← No Samples →							
27	9-22	6.0		2	3	1	2	5	9	32	54
23	9-23	6.5		1	2	1	2	4	7	12	20
16	9-24	6.4		1	2	1	2	3	5	14	24
→	9-25,26	—		← No Samples →							
→	9-27	6.2		2	3	1	2	8	14	32	54
62	9-28	6.3		2	3	1	2	7	12	32	54
73	9-29	6.3	194,714	1	2	1	2	3	5	19	31
62	9-30	6.4		1	2	1	2	2	3	13	21
34	10-1	6.6		1	2	1	2	1	2	6	10
→	10-2,3	—		← No Samples →							
→	10-4	6.7		1	2	1	2	4	6	16	26
→	10-5	7.1		1	2	1	2	1	2	2	3
→	10-6	7.2		1	2	1	2	1	2	3	5
→	10-7	7.1		1	2	1	2	1	2	12	19
→	10-8	6.9		1		1	2	5	8	26	42
→	10-9,10	—		← No Sample →							
96	10-11	6.9		1	2	1	2	3	5	20	32
496	10-12	7.1		1	2	1	2	4	6	18	29
166	10-13	6.9		1	2	1	2	4	6	23	37
188	10-14	6.9		1	2	1	2	2	3	10	16
152	10-15	6.9		1	2	1	2	3	5	19	31
→	10-16,17	—		← No Sample →							
25	10-18	7.1		1	2	1	2	1	2	2	3
130	10-19	7.0		1	2	1	2	2	3	16	26
263	10-20	7.3		1	2	1	2	2	3	5	8
125	10-21	7.3		1	2	1	2	3	5	13	21
206	10-22	7.3		1	2	1	2	3	5	10	16
→	10-23,24	—		← No Samples →							
→	10-25	7.1		3	5	1	2	4	6	28	45
77	10-26	7.0		1	2	1	2	2	3	14	23
66	10-27	7.3	169,607	1	1	1	1	1	1	6	8
62	10-28	—		← No Samples →							
42	10-29	7.1		2	3	1	1	2	3	28	39
→	10-30,31	—		← No Samples. →							
38	11-1	7.3		1	1	1	1	1	1	2	3
93	11-2	7.3		1	1	1	1	1	1	5	7
62	11-3	—		← No Samples →							
24	11-4	7.5		1	1	1	1	2	3	9	13
49	11-5	6.8		2	3	1	1	3	4	17	24
→	11-6,7	—		← No Samples →							
139	11-8	7.0		1	1	1	1	2	3	3	4

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
11-9-87	6.5	219,893	18	33	1	2	42	77	15	27
11-10	2.0		6	11	46	84	27	49	24	44
11-11	3.4		2	4	14	26	9	16	16	29
11-12	2.1		2	4	33	60	13	24	11	20
11-13,14	—		No Samples							
11-15	6.1		11	20	1	2	20	37	28	51
11-16	4.0		19	35	12	22	35	64	36	66
11-17	—		No Samples							
11-18	—		No Samples							
11-19	—		No Samples							
11-20,21	—									
11-22	—									
11-23	—									
11-24	—	217,714								
11-25,26,27,28	—									
11-29	—									
11-30	—									
12-1	—									
12-2	—									
12-3	—									
12-4,5	—									
12-6	—									
12-7	—									
12-8	—									
12-9	—									
12-10	—									
12-11,12	—		No Samples							
12-13	4.6		28	51	8	15	47	85	20	36
12-14	2.8		13	24	15	27	21	38	6	11
12-15	2.0		11	20	35	64	33	60	6	11
12-16	—		No Samples							
12-17	—									
12-18,19	—									
12-20	—									
12-21	1.9		49	89	44	81	35	64	51	93
12-22	2.0		12	22	32	59	49	89	29	53
12-23,24,25,26	—		NO Samples.							
12-27	—									
12-28	—									
12-29	—	369,214								
12-30	—									
12-31,1-2,2	—									
1-3	—									

CERRO WEST

ppd	Date	pH	Flow	Lead ppm	Lead ppd	Nickel ppm	Nickel ppd	Zinc ppm	Zinc ppd	Copper ppm	Copper ppd
27	11-9	6.8	169,607	1	1	1	1	2	3	5	7
44	11-10	6.9		1	1	1	1	3	4	16	22
29	11-11	7.0		2	3	1	1	3	4	3	4
20	11-12	7.2		1	1	1	1	2	3	11	15
→	11-13,14	—		No Samples							
51	11-15	7.1		1	1	3	4	1	1	16	22
06	11-16	7.3		1	1	1	1	1	1	8	11
→	11-17	7.5		1	1	1	1	1	1	1	1
→	11-18	7.4		1	1	1	1	1	1	1	1
→	11-19	7.7		1	1	1	1	1	1	1	1
	11-20,21	—		No Samples							
	11-22	7.2		1	1	1	1	1	1	1	1
	11-23	7.2		1	1	1	1	1	1	1	1
	11-24	7.2	149,200	1	1	2		2	2	4	5
	11-25,26,27,28	—		No Samples							
	11-29	7.2		1	1	1	1	2	2	15	19
	11-30	7.8		1	1	1	1	2	2	18	22
	12-1	7.1		1	1	1	1	2	2	12	15
	12-2	7.1		1	1	1	1	2	2	12	15
	12-3	7.2		1	1	1	1	2	2	11	14
	12-4,5	—		No Samples							
	12-6	7.2		1	1	1	1	2	2	11	14
	12-7	7.3		1	1	1	1	3	4	15	19
	12-8	7.2		1	1	1	1	1	1	1	1
	12-9	7.3		2	2	1	1	3	4	20	25
	12-10	7.2		1	1	1	1	5	6	13	16
→	12-11,12	—		No Samples							
36	12-13	7.3		1	1	1	1	6	6	2	2
11	12-14	7.1		2	2	1	1	4	5	14	21
11	12-15	7.4		1	1	1	1	4	5	4	5
→	12-16	7.2		1	1	1	1	2	2	2	2
	12-17	7.6		1	1	1	1	5	6	20	25
	12-18,19	—		No Samples							
	12-20	7.4		1	1	1	1	8	4	10	12
93	12-21	7.6		1	1	1	1	3	4	11	14
53	12-22	7.7		1	1	1	1	2	2	13	16
→	12-23,24,25,26	—		No Samples							
	12-27	7.5		1	1	1	1	2	2	4	6
	12-28	7.1		1	1	1	1	3	4	13	16
	12-29	7.5	161,679	1	2	1	2	5	8	14	21
	12-30	6.8		1	2	1	2	4	6	20	30
	12-31,1-1,2	—		No Samples							
	1-3	7.6		1	2	1	2	1	2	1	2

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
1-4-88	—	369,214	←		NO Samples					→
1-5	—	↓			↓					
1-6	—									
1-7	—									
1-8,9	—									
1-10	—									
1-11	—									
1-12	—									
1-13	—									
1-14	—									
1-15,16	—									
1-17	—									
1-18	—									
1-19	—									
1-20	—									
1-21	—									
1-22,23	—									
1-24	—									
1-25	—	↓			↓					
1-26	—	217,143	←		NO Samples					→
1-27	—	↓			↓					
1-28	—									
1-29,30	—									
1-31	—									
2-1	—									
2-2	—									
2-3	—									
2-4	—									
2-5,6	—									
2-7	—									
2-8	—									
2-9	—									
2-10	—									
2-11	—									
2-12,13,14	—									
2-15	—									
2-16	—									
2-17	—	↓			↓					
2-18	2.7		6	11	27	49	29	52	27	49
2-19,20	—		←		NO Samples					→
2-21	2.4		3	5	33	60	15	27	17	31
2-22	—	↓	←		No Samples					→
2-23	2.5	290,252	6	15	30	73	20	48	12	29

CERRO WEST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
1-4-88	6.7	181,679	2	3	1	2	9	14	26	39
1-5	7.0		1	2	1	2	4	6	23	35
1-6	7.2		2	3	1	2	5	8	28	42
1-7	7.2		1	2	1	2	4	6	34	51
1-8,9	—		No Samples							
1-10	7.4		1	2	1	2	3	5	23	35
1-11	7.2		1	2	1	2	2	3	21	32
1-12	7.3		1	2	1	2	4	6	15	23
1-13	7.3		1	2	1	2	2	3	19	29
1-14	7.7		1	2	1	2	2	3	13	20
1-15,16	—		No Samples							
1-17	7.7		1	2	1	2	3	5	14	21
1-18	7.6		2	3	1	2	4	6	52	78
1-19	7.7		3	5	1	2	5	8	41	62
1-20	7.7		1	2	1	2	3	5	19	29
1-21	7.6		1	2	1	2	3	5	19	29
1-22,23	—		No Samples							
1-24	7.5		1	2	1	2	4	6	18	27
1-25	7.4		2	3	1	2	3	5	27	41
1-26	7.7	229,393	1	2	1	2	5	10	20	38
1-27	7.6		1	2	1	2	3	6	12	23
1-28	7.2		1	2	1	2	2	4	9	17
1-29,30	—		No Samples							
1-31	7.2		1	2	1	2	5	10	10	19
2-1	7.0		1	2	1	2	5	10	10	19
2-2	6.9		1	2	1	2	5	10	10	19
2-3	6.9		1	2	1	2	3	6	16	31
2-4	7.0		1	2	1	2	4	8	11	21
2-5,6	—		No Samples							
2-7	7.4		1	2	1	2	3	6	7	13
2-8	7.3		1	2	1	2	3	6	11	21
2-9	7.4		1	2	1	2	3	6	7	13
2-10	7.4		1	2	1	2	3	6	19	36
2-11	7.2		2	4	1	2	4	8	47	90
2-12,13,14	—		No Samples							
2-15	7.8		1	2	1	2	1	2	22	42
2-16	7.1		1	2	1	2	1	2	20	38
2-17	7.2		1	2	1	2	1	2	7	13
2-18	7.2		1	2	1	2	3	6	13	25
2-19,20	—		No Samples							
2-21	7.2		1	2	1	2	4	8	19	36
2-22	7.1		1	2	1	2	6	11	24	46
2-23	—	191,828	No Samples							

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
2-24-88	4.4	240,257	6	15	30	73	20	48	12	29
2-25	3.1		3	7	13	31	14	34	10	24
2-26,27	—		No Samples							
2-28	3.0		4	10	17	41	27	65	19	46
2-29	2.9		6	15	20	48	17	41	17	41
3-1	3.4		7	17	13	31	20	48	24	58
3-2	3.8		6	15	11	27	15	36	18	44
3-3	2.5		6	15	20	48	29	70	31	75
3-4,5	—		No Samples.							
3-6	6.8		1	2	2	5	1	2	2	5
3-7	6.5		1	2	6	15	3	7	3	7
3-8	2.3		1	2	22	53	4	10	4	10
3-9	2.4		1	2	19	46	4	10	2	5
3-10	5.0		1	2	10	24	2	5	3	7
3-11,12	—		No Samples							
3-13	8.1		1	2	1	2	1	2	1	2
3-14	6.5		123	298	4	10	2	5	25	61
3-15	6.2		213	515	11	27	5	12	27	65
3-16	2.7		43	104	25	61	31	75	35	85
3-17	6.5		18	44	3	7	21	51	30	73
3-18,19	—		No Samples.							
3-20	6.6		24	58	1	3	31	75	23	56
3-21	2.7		99	240	30	73	50	121	39	94
3-22	2.4		82	198	19	46	55	133	41	99
3-23	5.8		73	177	4	10	66	160	67	162
3-24	3.6		57	138	18	44	51	123	50	121
3-25,26	—		No Samples							
3-27	2.8		15	36	21	51	26	63	26	63
3-28	5.5		15	36	6	15	43	104	48	116
3-29	6.1	379,357	26	82	3	9	28	88	24	76
3-30	6.0		4	13	11	35	13	41	20	64
3-31	—		No Samples							
4-1,2	—		No Samples							
4-3	—		No Samples							
4-4	2.4		5	16	43	136	25	79	43	136
4-5	2.8		13	41	19	60	32	101	19	60
4-6	5.7		6	19	5	16	35	111	15	47
4-7	2.8		18	57	29	92	104	329	67	212
4-8,9	—		No Samples							
4-10	2.7		8	25	24	76	34	107	24	76
4-11	2.6		12	38	25	79	48	152	46	145
4-12	2.6		10	32	24	76	38	120	27	85
4-13	2.6		9	28	31	98	50	158	30	95

CERRO WEST

PPD	DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
29	2-24-88	7.0	191,828	1	2	1	2	7	11	36	58
24	2-25	—		No Samples							
→	2-26,27	—		No Samples							
46	2-28	7.6		1	2	1	2	6	10	18	29
41	2-29	7.7		3	5	1	2	4	6	23	37
58	3-1	6.9		2	3	1	2	2	3	13	21
44	3-2	6.7		2	3	1	2	3	5	22	35
25	3-3	6.8		2	3	1	2	2	3	18	29
→	3-4,5	—		No Samples							
5	3-6	7.4		2	3	1	2	4	6	27	43
7	3-7	7.3		2	3	1	2	2	3	27	43
10	3-8	7.1		1	2	1	2	2	3	17	27
5	3-9	7.1		1	2	1	2	2	3	20	32
7	3-10	7.1		1	2	1	2	3	5	29	46
→	3-11,12	—		No Samples							
2	3-13	7.6		1	2	1	2	3	5	11	18
21	3-14	7.7		1	2	1	2	2	3	20	32
26	3-15	7.5		2	3	1	2	2	3	10	16
36	3-16	7.2		3	5	1	2	2	3	14	22
73	3-17	7.2		5	8	1	2	2	3	20	48
→	3-18,19	—		No Samples							
56	3-20	7.5		5	8	1	2	3	5	11	18
74	3-21	6.9		12	19	1	2	10	16	55	88
99	3-22	7.1		17	27	1	2	7	11	41	66
62	3-23	7.0		8	13	1	2	4	6	20	32
21	3-24	7.1		8	13	1	2	4	6	24	38
→	3-25,26	—		No Samples							
23	3-27	7.8		7	11	1	2	2	3	4	16
166	3-28	7.6		9	14	1	2	4	16	14	22
76	3-29	6.7	89,250	1	1	1	1	3	3	12	9
64	3-30	6.9		2	2	1	1	4	3	13	10
→	3-31	—		No Samples							
→	4-1,2	—		No Samples							
→	4-3	7.3		1	1	1	1	1	1	3	3
36	4-4	7.3		1	1	1	1	1	1	5	4
10	4-5	7.1		1	1	1	1	1	1	3	3
47	4-6	7.3		1	1	1	1	1	1	1	1
12	4-7	7.2		1	1	1	1	1	1	1	1
—	4-8,9	—		No Samples							
6	4-10	7.5		1	1	1	1	1	1	2	2
15	4-11	7.3		1	1	1	1	1	1	3	3
5	4-12	7.4		2	2	1	1	2	2	13	10
15	4-13	7.4		1	1	1	1	1	1	2	2

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd	D
4-14-88	2.4	379,357	10	32	43	136	51	161	27	85	4-1
4-15,16	—		No Samples								4-
4-17	3.4		18	67	21	66	8	25	21	66	4
4-18	3.9		9	28	15	47	20	64	23	73	4-
4-19	—		No Samples								4
4-20	—		No Samples								4
4-21	6.5		2	6	3	9	50	158	11	35	4
4-22,23	—		No Samples								4-
4-24	6.3		8	25	2	6	24	76	12	38	4
4-25	2.7		5	16	28	88	48	152	24	76	4
4-26	2.6	356,750	6	18	26	78	47	141	25	75	4
4-27	2.3		5	15	36	108	48	144	34	102	4-
4-28	2.3		5	15	34	102	45	135	27	81	4-
4-29,30	—		No Samples								4-
5-1	—		No Samples								5
5-2	3.4		6	18	9	27	27	81	15	46	5
5-3	2.9		11	33	14	42	57	171	27	81	5
5-4	4.2		5	15	6	18	54	162	32	96	5
5-5	2.5		8	24	24	72	51	153	24	72	5
5-6,7	—		No Samples								5
5-8	5.0		14	42	1	3	54	162	17	51	5
5-9	2.6		4	12	21	63	45	135	17	51	5
5-10	3.6		9	27	10	30	42	126	24	72	5
5-11	4.4		3	9	9	27	33	99	14	42	5
5-12	5.8		1	3	7	21	26	78	6	18	5
5-13,14	—		No Samples								5-
5-15	—		No Samples								5
5-16	6.2		1	3	7	21	3	9	2	6	5
5-17	3.5		1	3	15	45	5	15	4	12	5
5-18	3.5		2	6	42	126	20	60	8	24	5
5-19	3.5		2	6	29	87	14	42	9	27	5
5-20,21	—		No Samples								5-
5-22	3.8		1	3	3	9	1	3	5	15	5
5-23	4.7		1	3	1	3	1	3	4	12	5
5-24	7.3	353,229	1	3	1	3	1	3	1	3	5
5-25	2.4		1	3	40	120	12	36	8	24	5
5-26	2.4		4	12	36	108	32	96	37	111	5
5-27,28,29	—		No Samples								5
5-30	2.8		5	15	19	57	48	144	47	141	5
5-31	2.8		3	12	18	54	45	135	25	75	5
6-1	2.4		5	15	24	72	45	135	40	120	6
6-2	2.4		5	15	26	78	48	144	38	114	6
6-3,4	—		No Samples								6-

CERRO WEST

ER PPD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
85	4-14-88	7.6	89,750	1	1	1	1	1	1	2	2
→	4-15,16	—		No Samples							
66	4-17	7.6		1	1	1	1	2	2	2	2
73	4-18	7.3		1	1	1	1	2	2	2	2
→	4-19	7.3		1	1	1	1	1	1	2	2
→	4-20	7.3		1	1	1	1	1	1	3	3
35	4-21	7.3		1	1	1	1	1	1	1	1
→	4-22,23	—		No Samples							
38	4-24	7.5		1	1	1	1	1	1	1	1
76	4-25	7.5		1	1	1	1	1	1	1	1
75	4-26	7.9	129,714	1	1	1	1	1	1	1	1
102	4-27	7.0		1	1	1	1	1	1	2	2
81	4-28	7.3		1	1	1	1	1	1	1	1
→	4-29,30	—		No Samples							
→	5-1	7.4		1	1	1	1	1	1	1	1
46	5-2	7.3		1	1	1	1	1	1	2	2
81	5-3	7.2		1	1	1	1	1	1	1	1
96	5-4	7.2		1	1	1	1	1	1	1	1
72	5-5	7.3		1	1	1	1	1	1	2	2
→	5-6,7	—		No Samples							
61	5-8	7.2		1	1	1	1	3	3	19	21
61	5-9	7.0		1	1	1	1	6	6	37	40
72	5-10	7.5		2	2	1	1	2	2	18	19
42	5-11	6.4		2	2	6	6	10	11	42	45
18	5-12	6.7		5	5	7	8	15	16	32	35
→	5-13,14	—		No Samples							
→	5-15	7.4		2	2	1	1	8	9	20	22
6	5-16	7.1		2	2	1	1	12	13	24	26
12	5-17	7.5		1	1	1	1	1	1	7	8
24	5-18	7.4		1	1	1	1	1	1	5	5
27	5-19	7.5		1	1	1	1	1	1	4	4
→	5-20,21	—		No Samples							
15	5-22	7.3		1	1	1	1	2	2	7	8
12	5-23	7.1		3	3	1	1	6	6	27	29
3	5-24	7.5	166,029	2	3	1	1	2	3	12	17
24	5-25			1	1	1	1	3	4	25	35
111	5-26			2	3	1	1	5	7	32	44
→	5-27,28,29	—		No Samples							
141	5-30			1	1	1	1	2	3	6	8
75	5-31			2	3	1	1	4	6	20	28
120	6-1			1	1	1	1	4	6	17	23
114	6-2			3	4	1	1	6	8	50	69
→	6-3,4	—		No Samples							

CERRO EAST

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DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
6-5	6.2	353,229	2	6	1	3	30	90	7	21
6-6	—		No Samples							
6-7	2.5		4	12	24	72	36	108	34	102
6-8	2.7		10	30	21	63	14	42	11	33
6-9	2.7		2	6	25	75	11	33	8	24
6-10,11	—		No Samples							
6-12	6.7		1	3	6	18	5	15	4	12
6-13	2.5		3	9	35	105	39	117	36	108
6-14	3.2		2	6	19	57	23	69	27	81
6-15	2.5		22	66	32	96	43	129	40	120
6-16	3.9		2	6	14	42	14	42	20	60
6-17,18	—		No Samples							
6-19	6.9		2	6	1	3	1	3	1	3
6-20	2.7		3	9	31	93	9	27	13	39
6-21	2.3		5	15	49	147	9	27	14	42
6-22	2.5		3	9	33	99	5	15	5	15
6-23	2.6		8	24	31	93	6	18	12	36
6-24,25	—		No Samples							
6-26	—		No Samples							
6-27	—		No Samples							
6-28/7-13			No Samples taken - plant shut down							
7-14	2.2	305,714	10	26	83	212	10	26	56	143
7-15,16	—		No Samples							
7-17	2.4		2	5	44	112	6	15	23	59
7-18	3.3		10	26	10	26	3	8	18	46
7-19	2.8		10	26	17	43	9	23	25	64
7-20	3.2		6	15	12	31	14	36	15	38
7-21	2.7		5	13	20	51	19	48	26	66
7-22,23	—		No Samples							
7-24	4.9		4	10	3	8	18	46	9	23
7-25	3.0		8	20	16	41	35	89	23	59
7-26	2.5	272,457	9	20	25	59	60	114	26	59
7-27	2.2		8	18	36	82	66	150	26	59
7-28	4.1		8	18	7	16	21	48	24	54
7-29,30	—		No Samples							
7-31	2.6		7	16	18	41	69	157	30	68
8-1	—		No Samples							
8-2	2.0		4	9	99	225	45	102	79	179
8-3	—		No Samples							
8-4	2.3		3	7	36	82	38	86	32	73
8-5,6	—		No Samples							
8-7	2.4		4	9	29	66	31	70	24	54
8-8	2.2		5	11	42	95	45	102	29	66

CERRO WEST

PPD	DATE	p.H	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPD	COPPER PPM	COPPER PPD
21	6-5	7.4	166,029	2	3	1	1	7	8	26	36
→	6-6	–		←		No Samples					→
102	6-7	7.4		2	3	1	1	5	7	23	32
23	6-8	7.3		2	3	1	1	6	8	34	47
24	6-9	7.2		1	1	1	1	3	4	9	12
→	6-10,11	—		←		No Samples					→
12	6-12	7.5		1	1	1	1	2	3	23	32
108	6-13	7.5		1	1	1	1	3	4	19	26
81	6-14	7.1		2	3	1	1	4	6	38	52
120	6-15	7.4		3	4	1	1	4	6	40	55
60	6-16	7.5		2	3	1	1	2	3	21	29
→	6-17,8	—		←		No Samples					→
3	6-19	7.2		2	3	1	1	5	7	60	83
39	6-20	7.4		1	1	1	1	3	4	26	36
42	6-21	7.4		2	3	1	1	2	3	32	44
15	6-22	7.3		3	4	1	1	5	7	43	59
36	6-23	7.3		3	4	1	1	5	7	50	69
→	6-24,25	—		←		No Samples					→
→	6-26	—		←		No Samples					→
→	6-27	–		←		No Samples					→
	6-28/7-13				No Samples Taken -			Now Samples Station is plant Shutdown			
143	7-14	7.4	176,286	1	1	1	1	1	1	1	1
→	7-15,16	–		←		No Samples					→
59	7-17	7.3		1	1	1	1	1	1	1	1
46	7-18	7.0		1	1	1	1	1	1	1	1
64	7-19	6.9		1	1	1	1	1	1	1	1
38	7-20	6.9		1	1	1	1	1	1	1	1
66	7-21	7.0		1	1	1	1	1	1	1	1
→	7-22,23	–		←		No Samples					→
23	7-24	7.5		1	1	1	1	1	1	1	1
59	7-25	7.2		1	1	1	1	1	1	1	1
59	7-26	7.2	167,800	1	1	1	1	1	1	1	1
59	7-27	7.4		1	1	1	1	1	1	1	1
54	7-28	7.3		1	1	1	1	1	1	1	1
→	7-29,30	–		←		No Samples					→
68	7-31	6.9		1	1	1	1	5	7	11	15
→	8-1	—		←		No Samples					→
179	8-2	6.9		1	1	1	1	2	3	12	17
→	8-3	—		←		No Samples					→
73	8-4	6.6		4	6	1	1	11	15	63	88
→	8-5,6	—		←		No Samples					→
54	8-7	6.9		1	1	1	1	4	6	16	22
66	8-8	7.0		3	4	1	1	5	7	38	53

CERRO EAST

.24

DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb	D
8-9	2.1	272,457	5	11	55	125	71	161	38	86	8-
8-10	2.4		4	9	28	64	50	114	23	52	8
8-11	5.9		8	18	3	7	39	88	9	20	8
8-12,13	—		No Samples								8-
8-14	2.3		5	11	64	145	48	109	33	75	8-
8-15	2.4		5	11	49	111	75	170	35	79	8
8-16	2.3		5	11	32	73	49	111	24	54	8-
8-17	2.1		3	7	34	77	16	36	10	23	8-
8-18	3.0		8	18	16	36	50	114	35	79	8-
8-19,20	—		No Samples								8-
8-21	3.8		8	18	1	2	33	75	23	52	8
8-22	3.3		8	18	13	30	20	45	23	52	8
8-23	2.4		9	20	21	48	30	68	30	68	8
8-24	2.2		19	43	30	68	66	150	51	116	8
8-25	2.4		15	34	21	48	36	82	37	84	8
8-26,27	—		No Samples								8-
8-28	2.6		14	31	1	2	63	143	78	177	
8-29	2.3		9	20	28	86	59	134	100	227	8
8-30	2.1	229,857	4	8	46	88	109	209	50	96	8
8-31	2.2		5	10	40	77	62	119	25	48	8
9-1	2.1		7	13	42	81	77	148	37	71	9
9-2,3,4	—		No Samples								9-
9-5	6.4		29	56	1	2	76	143	105	202	9
9-6	2.5		16	31	33	63	79	152	105	202	9
9-7	3.1		15	29	19	36	82	157	101	194	9
9-8	6.5		8	15	1	2	3	6	6	12	9
9-9,10	—		No Samples								9
9-11	2.6		7	13	26	50	14	27	73	140	9
9-12	6.6		10	19	10	19	77	148	101	194	9
9-13	6.8		8	15	5	10	43	83	30	58	9
9-14	1.7		36	69	68	131	156	300	59	113	9
9-15	2.4		47	90	71	136	145	278	176	338	9
9-16,17	—		No Samples								9
9-18	3.4		14	27	10	19	52	100	64	123	9
9-19	5.2		35	67	4	8	97	186	123	236	9
9-20	4.9		32	61	15	29	46	88	69	132	9
9-21	5.0		47	90	11	21	95	182	141	271	9
9-22	4.5		68	131	16	31	99	190	227	436	9
9-23,24	—		No Samples								9
9-25	5.7		95	182	1	2	117	225	266	511	9
9-26	5.6		90	173	15	29	168	322	219	420	9
9-27	5.3	282,714	46	108	15	35	66	155	154	362	9
9-28	6.8		28	64	3	7	20	47	43	101	9

CERRO WEST

PPD	DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
86	8-9	7.1	167,800	3	4	1	1	5	7	28	39
52	8-10	7.2		3	4	1	1	9	13	30	42
20	8-11	7.1		1	2	4	6	5	7	8	11
→	8-12,13	—		←		No Samples.		→			
75	8-14	7.4		1	1	1	1	3	4	6	8
79	8-15	7.7		2	3	1	1	6	8	25	35
54	8-16	7.0		3	4	1	1	5	7	25	35
23	8-17	6.8		3	4	1	1	5	7	22	31
79	8-18	6.9		2	3	1	1	5	7	18	25
→	8-19,20	—		←		No Samples		→			
52	8-21	7.4		1	1	1	1	1	1	1	1
52	8-22	6.8		2	3	1	1	4	6	23	32
68	8-23	7.0		2	3	1	1	4	6	33	46
116	8-24	7.1		2	3	1	1	4	6	16	22
84	8-25	7.1		1	1	1	1	3	4	14	20
→	8-26,27	—		←		No Samples		→			
177	8-28	7.5		2	3	1	1	3	4	12	17
227	8-29	7.3		3	4	1	1	7	10	38	53
96	8-30	6.8	132,321	2	2	1	1	5	6	26	29
48	8-31	7.1		2	2	1	1	4	4	23	25
71	9-1	7.0		1	1	1	1	4	4	10	11
→	9-2,3,4	—		←		No Samples		→			
202	9-5	7.7		1	1	1	1	1	1	2	2
202	9-6	7.3		1	1	1	1	1	1	1	1
194	9-7	7.1		1	1	1	1	1	1	2	2
12	9-8	7.1		1	1	1	1	1	1	2	2
→	9-9,10	—		←		No Samples		→			
140	9-11	7.7		1	1	1	1	1	1	1	1
194	9-12	7.5		1	1	1	1	1	1	2	2
58	9-13	7.9		1	1	1	1	1	1	1	1
113	9-14	7.1		1	1	1	1	1	1	3	3
338	9-15	7.3		1	1	12	13	3	3	48	53
→	9-16,17	—		←		No Samples		→			
123	9-18	—		←		No Samples		→			
236	9-19	7.1		2	2	1	1	4	4	24	26
132	9-20	—		←		No Samples		→			
271	9-21	—		←		No Samples		→			
436	9-22	6.8		2	2	1	1	8	9	12	13
→	9-23,24	—		←		No Samples		→			
54	9-25	7.2		1	1	1	1	2	2	2	2
420	9-26	—		←		No Samples		→			
362	9-27	6.6	78,536	4	3	1	1	12	13	46	
101	9-28	6.9		3		1	1	8	9	29	

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
9-29	6.9	282,714	15	35	1	2	8	19	21	49
9-30, 10-1	—		No Samples							
10-2	1.9		2	5	60	141	11	26	13	31
10-3	1.6		2	5	69	162	13	31	30	72
10-4	1.7		3	7	35	82	10	24	19	45
10-5	1.9		14	33	27	63	10	24	27	63
10-6	1.5		28	66	54	127	51	120	104	244
10-7, 8	—		No Samples							
10-9	6.2		3	7	1	2	13	31	24	56
10-10	1.6		14		77	172	85	200	58	135
10-11	1.7		16	38	52	122	58	136	52	122
10-12	1.3		21	49	80	188	80	188	101	237
10-13	1.8		23	54	102	240	116	272	46	108
10-14, 15, 16	—		No Samples							
10-17	2.5		27	63	57	134	97	228	57	134
10-18	1.2		13	31	206	484	99	233	185	217
10-19	1.3		13	31	109	256	67	157	39	92
10-20	1.3		12	28	98	230	88	207	30	71
10-21, 22	—		No Samples							
10-23	3.6		35	82	22	52	85	200	47	110
10-24	1.3		18	42	165	388	94	221	100	235
10-25	1.5	309,657	24	62	111	286	86	222	101	261
10-26	1.4		25	65	97	250	60	154	90	232
10-27	1.6		21	54	54	129	77	199	77	199
10-28, 29	—		No Samples							
10-30	6.9		4	10	1	3	2	5	2	5
10-31	2.9		3	8	45	116	33	85	1	3
11-1	1.5		4	10	161	415	68	175	56	144
11-2	1.4		2	5	129	333	34	88	41	106
11-3, 5	—		No Samples							
11-6	6.6		13	34	2	5	12	31	26	67
11-7	6.4		82	212	91	235	95	245	206	531
11-8	1.9		24	62	85	219	63	137	66	170
11-9	2.2		34	88	84	218	58	150	104	268
11-10, 11, 12	—		No Samples							
11-13	3.2		24	62	30	77	49	126	53	137
11-14	2.8		15	39	48	124	25	65	28	72
11-15	—		No Samples							
11-16	2.2		1	3	139	359	39	101	18	46
11-17	2.1		1	3	171	441	36	93	46	119
11-18, 19	—		No Samples							
11-20	2.1		12	31	85	219	38	98	133	343
11-21	2.2		4	10	89	230	37	95	81	210
11-22	2.4		9	23	36	93	37	95	30	77
11-23	—		No Samples							

CERRO WEST

ER PRO	DATE	pH	FLOW	LEAD ppm	LEAD ppb	NICKEL ppm	NICKEL ppb	ZINC ppm	ZINC ppb	COPPER ppm	COPPER ppb
49	9-29	7.3	78,536	2	2	1	1	3	2	15	10
→	9-30, 10-1	—		No Sample							
31	10-2	7.4		1	1	1	1	4	3	21	14
72	10-3	7.7		1	1	1	1	3	2	16	10
45	10-4	—		No Samples							
63	10-5	—		No Samples							
244	10-6	—		No Samples							
→	10-7,8	—		No Samples							
56	10-9	6.8		2	2	1	1	11	7	20	13
145	10-10	6.7		2	2	1	1	4	3	15	10
122	10-11	6.7		2	2	1	1	8	5	20	13
237	10-12	6.6		2	2	1	1	9	6	25	16
108	10-13	7.7		1	1	1	1	4	3	5	3
→	10-14,15,16	—		No Samples							
134	10-17	6.8		2	2	1	1	3	2	9	6
247	10-18	6.8		3	2	1	1	11	7	33	21
92	10-19	6.5		3	2	1	1	20	13	48	31
71	10-20	5.5		4	3			42	28	58	38
→	10-21,22			No Samples							
110	10-23	7.7		3	2	1	1	7	5	38	25
235	10-24	7.1		5	3	1	1	16	10	66	43
261	10-25	7.4	53,343	4	2	1	1	8	4	69	28
232	10-26	7.4		2	1	1	1	7	3	25	11
199	10-27	6.8		5	2	2	1	14	6	48	21
→	10-28,29	—		No samples							
5	10-30	7.3		1	1	1	1	3	1	10	4
3	10-31	—		No Samples							
144	11-1	7.4		1	1	1	1	1	1	1	1
106	11-2	7.3		1	1	1	1	1	1	1	1
→	11-3,4,5	—		No Samples							
67	11-6	7.9		1	1	1	1	1	1	1	1
531	11-7	7.7		1	1	1	1	1	1	1	1
170	11-8	8.4		1	1	1	1	1	1	1	1
268	11-9	6.9		2	1	2	1	1	1	14	6
→	11-10,11,12	—		No Sample							
137	11-13	7.0		6	3	2	1	7	3	53	23
72	11-14	6.9		3	1	1	1	2	1	21	9
→	11-15	—		No Sample							
46	11-16	7.0		1	1	1	1	5	2	5	2
49	11-17	7.0		1	1	1	1	1	1	8	4
→	11-18,19	—		No Sample							
343	11-20	6.9		1	1	1	1	1	1	4	2
210	11-21	6.9		1	1	1	1	1	1	7	3
77	11-22	7.0		1	1	1	1	1	1	5	2
→	11-23	—		No Sample							

CERRO EAST

DATE	pH	FLOW	LEAD ppm	LEAD ppd	NICKEL ppm	NICKEL ppd	ZINC ppm	ZINC ppd	COPPER ppm	COPPER ppd
11-24	3.4	309,657	10	24	30	77	45	116	24	62
11-25,26	—		No Samples							
11-27	4.0		15	39	17	44	26	67	23	59
11-28	4.4		21	54	37	95	66	170	32	83
11-29	2.0	383,892	12	38	114	365	102	326	202	646
11-30	2.1		6	19	70	224	86	275	91	291
12-1	1.9		4	13	103	230	61	195	68	218
12-2,3	—		No Samples							
12-4	5.7		15	48	6	19	62	198	33	106
12-5	2.1		15	48	93	298	82	262	157	502
12-6	3.1		31	99	19	61	70	224	113	362
12-7	3.1		7	22	16	51	20	64	13	42
12-8	3.9		15	48	16	51	88	282	99	317
12-9,10	—		No Samples							
12-11	4.4		43	138	36	115	108	346	128	410
12-12	5.8		18	68	11	35	94	301	86	275
12-13	2.5		4	13	36	115	19	61	43	138
12-14	2.3		6	19	46	147	92	294	63	202
12-15	2.3		3	10	49	157	33	106	31	99
12-16,17	—		No Samples							
12-18	3.0		2	6	53	170	34	109	15	48
12-19	2.2		4	13	94	301	134	429	40	128
12-20	2.2		2	6	72	230	114	365	14	45
12-21	3.0		2	6	27	86	87	278	22	70
12-22,23,24,25	—		No Samples							
12-26	3.6		2	6	19	61	15	48	24	76
12-27	2.3	354,535	3	9	125	370	84	249	23	68
12-28	3.2		2	6	61	181	43	127	43	127
12-29	3.2		7	21	19	56	29	86	24	71
12-30,31,1-1	—		No Samples							
1-2-89	3.6		2	6	5	15	38	112	5	15
1-3-89	3.1		2	6	27	80	71	210	6	18
1-4	2.1		9	27	228	675	140	414	45	133
1-5	2.8		2	6	58	172	104	308	6	18
1-6,7	—		No Samples							
1-8	3.3		2	6	31	92	43	127	15	44
1-9	2.0		5	15	159	471	72	213	149	441
1-10	1.9		2	6	170	503	64	189	186	551
1-11	2.1		1	3	133	394	58	172	30	89
1-12	2.2		2	6	70	207	58	172	35	104
1-13,14	—		No Samples							
1-15	3.1		1	3	25	74	45	133	5	15
1-16	2.0		1	3	100	296	73	216	143	423

CERRO WEST

PER PPD	DATE	pH	FLOW	LEAD PPM	LEAD PPD	NICKEL PPM	NICKEL PPD	ZINC PPM	ZINC PPM	COPPER PPM	COPPER PPD
62	11-24	7.3	53,343	1	1	1	1	1	1	3	1
→	11-25, 26	—	↓	No Samples							
59	11-27	7.5		1	1	1	1	1	1	1	1
83	11-28	8.2		1	1	1	1	2	1	7	3
646	11-29	7.1	69,321	1	1	1	1	3	2	26	15
291	11-30	6.8		1	1	1	1	1	1	1	1
218	12-1	6.9		1	1	1	1	1	1	1	1
→	12-2,3	—		No Samples							
106	12-4	7.0		1	1	1	1	1	1	1	1
502	12-5	6.4		1	1	1	1	3	2	15	9
362	12-6	6.8		1	1	1	1	1	1	1	1
42	12-7	6.9		1	1	1	1	1	1	1	1
317	12-8	7.1		1	1	1	1	1	1	1	1
→	12-9,10	—		No Samples							
410	12-11	7.6		1	1	1	1	1	1	1	1
275	12-12	8.2		2	1	1	1	2	1	1	1
138	12-13	6.9		1	1	1	1	1	1	5	3
202	12-14	7.2		1	1	1	1	1	1	3	2
99	12-15	7.1		1	1	1	1	1	1	4	2
→	12-16,17	—		No Samples							
48	12-18	7.6		1	1	1	1	1	1	3	2
128	12-19	7.4		1	1	1	1	1	1	4	2
45	12-20	7.1		1	1	1	1	1	1	3	2
70	12-21	7.2		1	1	1	1	1	1	3	2
→	12-22,23,24,25	—		No Samples							
76	12-26	7.7	↓	1	1	1	1	1	1	4	2
68	12-27	7.5	45,036	1	1	1	1	1	1	13	5
127	12-28	7.7		1	1	1	1	1	1	4	2
71	12-29-88	6.8		1	1	1	1	1	1	4	2
→	12-30,31,1-1	—		No Samples							
15	1-2-89	7.1		1	1	1	1	1	1	2	1
18	1-3	7.0		1	1	1	1	1	1	4	2
133	1-4	7.2		1	1	1	1	1	1	1	1
18	1-5	6.9		1	1	8	3	2	1	6	2
→	1-6,7	—		No Samples							
44	1-8	7.3		1	1	1	1	2	1	4	2
441	1-9	7.4		1	1	1	1	1	1	4	2
557	1-10	7.6		1	1	1	1	1	1	2	1
89	1-11	7.6		1	1	1	1	1	1	2	1
104	1-12	7.9		1	1	1	1	1	1	2	1
→	1-13,14	—		No Samples							
15	1-15	6.9		1	1	1	1	1	1	2	1
423	1-16	—	↓	No Samples							

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CERRO EAST

DATE	pH	FLOW	Pb ppm	Pb ppb	Ni ppm	Ni ppb	Zn ppm	Zn ppb	Cu ppm	Cu ppb
1-17	2.2	354,535	1	3	48	142	58	172	18	53
1-18	2.2		1	3	39	115	53	157	8	24
1-19	2.2		1	3	12	36	56	166	6	18
1-20,21	—		No Samples							
1-22	2.1		1	3	75	222	52	154	63	186
1-23	2.2		1	3	60	178	67	198	55	163
1-24	2.1	362,036	1	3	65	196	52	157	30	91
1-25	3.2		1	3	12	36	54	163	13	39
1-26	3.0		2	6	63	190	78	236	18	54
1-27,28	—		No Samples							
1-29	2.3		2	6	51	154	39	118	16	48
1-30	2.3		2	6	43	130	39	118	12	36
1-31	3.3		2	6	27	81	38	115	11	33
2-1	2.2		2	6	14	42	44	133	8	24
2-2	1.9		3	9	58	175	63	190	28	84
2-3,4	—		No Sample							
2-5	2.2		2	6	56	169	47	142	17	51
2-6	2.8		4	12	9	27	23	69	25	75
2-7	2.1		1	3	48	145	42	127	28	84
2-8	2.2		8	24	30	91	45	136	38	115
2-9	2.1		5	15	8	24	66	199	28	84
2-10,11	—		No Sample							
2-12	2.3		1	3	34	103	10	30	7	21
2-13	2.3		1	3	28	84	8	24	6	18
2-14	2.3		1	3	35	106	12	36	6	18
2-15	6.9		1	3	2	6	1	3	3	9
2-16	6.7		1	3	8	24	5	15	3	9
2-17,18,19	—		No Samples							
2-20	2.6		13	39	71	214	44	133	79	239
2-21	2.4	270,657	4	9	71	160	22	49	40	90
2-22	2.4		19	43	63	142	81	182	88	198
2-23	2.7		7	16	38	86	44	99	20	45
2-24,25	—		No Samples							
2-26	—		No Samples							
2-27	2.7		5	11	48	108	24	54	30	68
2-28	7.0		8	18	13	29	20	45	19	43
3-1	6.9		5	11	25	56	26	59	18	41
3-2	2.3		4	9	118	266	35	79	40	90
3-3,4	—		No Samples							
3-5	6.7		5	11	7	16	6	14	12	27
3-6	7.3		8	18	4	9	16	36	16	36
3-7	6.9		43	97	9	20	23	52	92	207
3-8	3.5		9	20	64	144	26	59	31	70

CERRO WEST

ppd	Date	pH	Flow	Pb ppm	Pb ppd	Ni ppm	Ni ppd	Zn ppm	Zn ppd	Cu ppm	Cu ppd
53	1-17	6.7	45,076	1	1	1	1	1	1	2	1
24	1-18	—		No Samples							
18	1-19	—		No Samples							
→	1-20,21	—		No Samples							
186	1-22	7.0		1	1	1	1	1	1	1	1
163	1-23	7.0		1	1	1	1	1	1	2	1
91	1-24	—	39,214	No Samples							
39	1-25	—		No Samples							
54	1-26	6.9		1	1	1	1	1	1	2	1
→	1-27,28	—		No Samples							
48	1-29	7.5		1	1	1	1	1	1	2	1
36	1-30	7.5		1	1	1	1	1	1	1	1
33	1-31	8.1		1	1	1	1	1	1	2	1
24	2-1	6.9		1	1	1	1	1	1	3	1
84	2-2	6.5		1	1	1	1	1	1	10	3
→	2-3,4	—		No Samples							
57	2-5	6.8		1	1	1	1	1	1	3	1
75	2-6	6.7		1	1	1	1	1	1	2	1
84	2-7	7.0		1	1	1	1	1	1	3	1
115	2-8	6.7		1	1	1	1	1	1	5	2
84	2-9	7.3		1	1	1	1	1	1	4	1
→	2-10,11	—		No Samples							
21	2-12	7.3		1	1	1	1	2	1	12	4
18	2-13	7.7		1	1	1	1	1	1	2	1
18	2-14	7.5		1	1	3	1	1	1	9	3
9	2-15	7.3		1	1	7	2	3	1	36	12
9	2-16	7.1		1	1	1	1	1	1	2	1
→	2-17,18,19	—		No Samples							
239	2-20	7.4		1	1	2	1	1	1	12	4
90	2-21	7.6	96,514	1	1	1	1	1	1	3	2
98	2-22	7.2		1	1	1	1	1	1	6	5
45	2-23	—		No Samples							
→	2-24,25	—		No Samples							
→	2-26	7.0		1	1	1	1	1	1	2	2
68	2-27	7.5		1	1	1	1	1	1	2	2
43	2-28	7.5		1	1	1	1	1	1	1	1
41	3-1	7.7		1	1	1	1	1	1	2	2
90	3-2	8.0		1	1	1	1	1	1	3	2
→	3-3,4	—		No Samples							
27	3-5	7.2		1	1	1	1	1	1	1	1
36	3-6	7.4		1	1	1	1	1	1	3	2
207	3-7	7.1		1	1	1	1	1	1	2	2
70	3-8	7.1		1	1	1	1	1	1	2	2

CORRO EAST

Date	pH	Flow	Pb ppm	Pb ppb	Ni ppm	Ni ppb	Cd ppm	Cd ppb	Zn ppm	Zn ppb	Cu ppm	Cu ppb	DA
3-9	5.9	270,657	5	11	23	52	.41	<1	11	25	15	34	3-9
3-10,11	—		No Samples										3-10
3-12	2.6		11	25	150	338	.94	2	40	90	86	194	3-1
3-13	6.1		21	47	80	180	1.05	2	41	92	44	99	3-1
3-14	8.9		8	18	2	4	.28	<1	10	23	13	29	3-1
3-15	3.8		7	16	161	362	1.28	3	49	110	157	353	3-
3-16	8.7		1	2	2	4	.11	<1	2	4	2	4	3-
3-17,18	—		No Samples										3-17
3-19	7.2		5	11	2	4	.09	<1	4	9	25	56	3-
3-20	7.2		5	11	1	2	.06	<1	2	4	21	47	3-
3-21	6.9		2	4	13	29	.20	<1	8	18	11	25	3-
3-22	6.6		3	7	14	32	.10	<1	6	14	13	29	3-
3-23	7.3		4	9	8	18	.17	<1	11	25	16	36	3
3-24,25	—		No Samples										3-2
3-26	7.2		1	2	6	14	.05	<1	2	4	4	9	3-
3-27	7.1		5	11	13	29	.33	<1	12	27	22	50	3-
3-28	4.0	205,500	5	9	103	176	.87	1	45	77	66	113	3-
3-29	4.1		3	5	81	139	.37	1	26	44	23	39	3
3-30	6.0		3	5	13	22	.11	1	6	10	48	82	3-
3-31	—		No Samples										3-3
4-1,2	—		No Samples										4-
4-3	7.1		2	3	3	5	.08	1	3	5	13	22	4
4-4	6.8		1	2	8	14	.04	1	2	3	1	2	4-
4-5	4.1		1	2	37	63	.24	1	10	17	3	5	4-
4-6	6.5		1	2	5	9	.05	1	2	3	12	21	4-
4-7,8	—		No Samples										4-
4-9	6.7		1	2	1	2	—	1	1	2	3	5	4
4-10	6.4		1	2	8	14	.04	1	2	3	2	3	4
4-11	6.8		8	14	3	5	.07	1	1	2	35	60	4
4-12	4.8		3	5	14	24	.10	1	4	7	15	26	4
4-13	5.4		5	9	14	24	.10	1	5	9	19	32	4
4-14,15	—		No Samples										4
4-16	7.1		2	3	2	3	.09	1	2	3	6	10	4
4-17	5.5		1	2	28	48	.30	1	8	14	9	15	4
4-18	5.5		1	2	16	27	.35	1	5	9	5	9	4
4-19	4.3		1	2	30	51	.43	1	7	12	4	7	4
4-20	6.4		1	2	24	41	.48	1	5	9	8	14	
4-21,22	—		No Samples										
4-23	7.2		10	17	4	7	1.8	3	32	54	33	56	
4-24	7.0		10	17	2	5	3.1	5	36	61	32	54	
4-25	7.0	174,886	5	7	6	9	.71	1	12	17	15	22	
4-26	7.1		3	4	8	12	.53	1	9	13	14	20	
4-27	7.1		1	1	1	1	1.6	2	3	4	2	3	

CORRO WEST

ppm	DATE	PH	FLOW	Pb ppm	Pb ppb	Ni ppm	Ni ppb	Cd ppm	Cd ppb	Zn ppm	Zn ppb	Cu ppm	Cu ppb
34	3-9	7.1	96,514	1	1	1	1	.05	<1	1	1	1	1
→	3-10,11	—		←			No Samples						→
194	3-12	7.1		1	1	1	1	.05	<1	1	1	1	1
99	3-13	7.3		1	1	1	1	.07	<1	1	1	1	1
29	3-14	7.6		1	1	1	1	.07	<1	1	1	1	1
353	3-15	8.0		1	1	1	1	.05	<1	1	1	1	1
4	3-16	8.2		1	1	1	1	.07	<1	1	1	1	1
→	3-17,18	—		←			No Samples						→
56	3-19	7.5		1	1	1	1	.03	<1	1	1	3	2
47	3-20	—		←			No Sample						→
25	3-21	7.2		1	1	1	1	.01	<1	1	1	3	2
29	3-22	7.2		1	1	1	1	.02	<1	1	1	3	2
36	3-23	7.3		1	1	1	1	.03	<1	1	1	2	2
→	3-24,25	—		←			No Sample						→
9	3-26	7.4		1	1	1	1	.01	<1	1	1	2	2
50	3-27	7.3		1	1	1	1	.03	<1	1	1	3	2
113	3-28	—	119,464	←			No Sample						→
39	3-29	7.3		1	1	1	1	.01	<1	1	1	3	3
82	3-30	—		←			No Sample						→
→	3-31,	—		←			No Sample						→
→	4-1,2	—		←			No Sample						→
22	4-3	7.8		1	1	1		.04	<1	1	1	8	8
2	4-4	7.1		1	1	1		.03	<1	1	1	5	5
5	4-5	7.3		1	1	1		—	<1	1	1	2	2
21	4-6	7.2		1	1	1		.01	<1	1	1	3	3
→	4-7,8	—		←			No Samples						→
5	4-9	7.4		1	1	1		—	<1	1	1	1	1
3	4-10	7.2		1	1	1		—	<1	1	1	1	1
60	4-11	7.4		1	1	1		—	<1	1	1	1	1
26	4-12	7.5		1	1	1		.05	<1	1	1	1	1
32	4-13	—		←			No Samples						→
→	4-14,15	—		←			No Samples						→
10	4-16	7.8		1	1	1	1	.04	<1	1	1	1	1
15	4-17	7.7		1	1	1	1	.03	<1	1	1	3	3
9	4-18	7.5		1	1	1	1	.01	<1	1	1	2	2
7	4-19	7.1		1	1	1	1	.01	<1	1	1	1	1
14	4-20	7.1		1	1	1	1	.04	<1	1	1	2	2
→	4-21,22	—		←			No Samples						→
56	4-23	7.2		1	1	1	1	.01	<1	1	1	1	1
54	4-24	7.2		1	1	1	1	.04	<1	1	1	1	1
22	4-25	7.3	99,457	1	1	1	1	.02	<1	1	1	1	1
20	4-26	7.5		1	1	1	1	.09	<1	1	1	1	1
3	4-27	7.3		1	1	1	1	.05	<1	1	1	2	2

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CERRO EAST

DATE	pH	FLOW	ppm Pb	ppd	ppm Ni	ppd	ppm Cd	ppd	ppm Zn	ppd	ppm Cu	ppd	D
4-28,29	—	174,886	No Samples										4-28
4-30	7.0		1	1	4	6	.42	<1	2	3	4	6	4-
5-1	7.1		1	1	7	10	.24	<1	5	7	5	7	5-
5-2	7.4		1	1	4	6	.21	<1	2	3	2	3	5-
5-3	7.8		1	1	2	3	.06	<1	2	3	2	3	5-
5-4	7.0		9	13	5	7	.21	<1	4	6	34	49	5
5-5,6	—		No Samples										5
5-7	6.9		1	1	2	3	.12	<1	1	1	14	20	5
5-8	6.7		7	10	15	22	.18	<1	5	7	46	67	5
5-9	6.8		5	7	19	28	.26	<1	7	10	69	100	5-
5-10	4.8		2	3	54	78	.54	<1	17	25	103	149	5-
5-11	6.5		1	1	16	23	.14	<1	3	4	5	7	5
5-12,13	—		No Samples										5-
5-14	7.1		1	1	1	1	.06	<1	1	1	2	3	5
5-15	7.2		1	1	5	7	.11	<1	1	1	4	6	5
5-16	7.2		1	1	14	20	.12	<1	2	3	3	4	5
5-17	7.3		1	1	16	23	.19	<1	4	6	4	6	5
5-18	6.8		1	1	4	6	.18	<1	2	3	3	3	5
5-19,20	—		No Samples										5-
5-21	6.9		1	1	1	1	.05	<1	1	1	1	1	5
5-22	6.6		1	1	8	12	.10	<1	3	4	4	6	5
5-23	6.6		16	23	8	12	.30	<1	6	9	32	46	5-
5-24	6.8		2	3	29	42	.26	<1	6	9	11	16	5
5-25	6.8		2	3	22	32	.22	<1	6	9	14	20	5
5-26,27,28	—		No Samples										5-2
5-29	7.1		1	1	1	1	.05	<1	1	1	1	1	5
5-30	6.9	165,928	1	1	4	6	.13	<1	2	2	1	1	5
5-31	4.1		2	2	88	121	.77	1	23	32	60	83	5-
6-1	4.8		1	1	31	43	.20	<1	7	10	45	62	6
6-2,3	—		No Samples										6-2
6-4	7.2		2	2	1	1	.10	<1	2	2	6	8	6
6-5	2.8		2	2	114	157	.68	<1	28	39	333	460	6
6-6	2.7		5	7	95	131	.59	<1	22	30	206	284	6-
6-7	2.9		5	7	52	72	.26	<1	11	15	150	207	6-
6-8	2.7		2	2	56	77	.32	<1	14	19	137	189	6
6-9,10	—		No Samples										6-
6-11	2.8		3	4	80	110	.44	<1	19	26	99	137	6-
6-12	3.4		1	1	67	92	.38	<1	15	21	48	66	6
6-13	3.4		3	4	55	76	.37	<1	13	18	54	75	6
6-14	2.9		2	2	73	100	.37	<1	16	22	120	166	6
6-15	5.4		1	1	24	33	.15	<1	4	6	12	17	6
6-16,17	—		No Samples.										6-
6-18	4.1		2	2	19	26	.18	<1	4	6	33	46	6-

CERRO WEST

PPD	DATE	pH	FLOW	ppm Pb	PPD	ppm Ni	PPD	ppm Cd	PPD	ppm Zn	PPD	ppm Cu	PPD
→	4-28,29	—	99457	←		No Samples							→
6	4-30	7.7		1	1	1	1	.09	<1	1	1	1	1
7	5-1	7.6		1	1	1	1	.09	<1	1	1	2	2
3	5-2	7.9		1	1	1	1	.04	<1	1	1	1	1
3	5-3	8.0		1	1	1	1	.05	<1	1	1	2	2
49	5-4	6.8		1	1	1	1	.13	<1	1	1	3	2
→	5-5,6	—		←		No Samples							→
20	5-7	7.1		1	1	1	1	.07	<1	1	1	4	3
67	5-8	7.0		1	1	1	1	.14	<1	1	1	2	2
100	5-9	6.9		1	1	1	1	.19	<1	1	1	4	3
149	5-10	7.0		1	1	1	1	.04	<1	1	1	2	2
7	5-11	7.0		1	1	1	1	.06	<1	1	1	1	1
→	5-12,13	—		←			No Samples						→
3	5-14	7.6		1	1	1	1	.05	<1	1	1	1	1
6	5-15	7.2		1	1	1	1	.07	<1	1	1	1	1
4	5-16	7.5		1	1	1	1	.10	<1	1	1	8	7
6	5-17	7.6		1	1	1	1	.05	<1	1	1	1	1
3	5-18	7.0		1	1	1	1	.06	<1	1	1	1	1
→	5-19,20	—		←			No Samples						→
1	5-21	7.1		1	1	1	1	.04	<1	1	1	1	1
6	5-22	7.0		1	1	1	1	.11	<1	1	1	1	1
46	5-23	7.0		1	1	1	1	.07	<1	1	1	1	1
16	5-24	6.9		1	1	1	1	.07	<1	1	1	1	1
20	5-25	6.9		1	1	1	1	.07	<1	1	1	2	2
→	5-26,27,28	—		←			No Samples						→
1	5-29	7.2		1	1	1	1	.04	<1	1	1	1	1
1	5-30	7.3	113,287	1	1	1	1	.06	<1	1	1	1	1
83	5-31	7.3		1	1	2	2	.06	<1	1	1	1	1
62	6-1	7.3		1	1	1	1	.06	<1	1	1	2	2
→	6-2,3	—		←			No Samples						→
8	6-4	7.3		1	1	1	1	.06	<1	1	1	1	1
460	6-5	7.5		1	1	2	2	.06	<1	1	1	1	1
284	6-6	6.5		1	1	1	1	.06	<1	1	1	1	1
207	6-7	6.5		2	2	6	6	.07	<1	2	2	14	13
189	6-8	6.7		1	1	1	1	.04	<1	1	1	1	1
→	6-9,10	—		←			No Samples						→
137	6-11	6.6		1	1	1	1	.04	<1	1	1	1	1
66	6-12	6.7		1	1	1	1	.03	<1	1	1	1	1
75	6-13	6.8		1	1	1	1	.06	<1	1	1	1	1
166	6-14	6.7		1	1	1	1	.04	<1	1	1	1	1
17	6-15	6.9		1	1	1	1	.04	<1	1	1	1	1
→	6-16,17	—		←			No Samples						→
46	6-18	6.7		1	1	1	1	.05	<1	1	1	2	2

CERRO EAST

DATE	pH	FLOW	ppm Pb	ppb	ppm Ni	ppb	ppm Cd	ppb	ppm Zn	ppb	ppm Cu	ppb	D
6-19	3.4	165,928	2	2	59	79	.39	<1	12	17	54	75	6
6-20	2.9		2	2	87	120	.57	<1	16	22	108	149	6
6-21	3.1		1	1	40	55	.39	<1	8	11	40	55	6
6-22	3.1		1	1	28	39	.56	<1	6	8	30	41	6
6-23,24	-		No Samples										6
6-25	3.1		1	1	2	2	.03	<1	1	1	1	1	6
6-26	6.3		1	1	13	18	.20	<1	2	2	2	2	6
6-27	6.2	195,535	1	2	19	31	.20	.33	4	6	9	15	6
6-28	4.2		2	3	31	51	.21	.34	6	10	75	122	6
6-29	6.2		1	2	21	34	.17	.27	21	34	4	6	6
6-30,7-1	—		No Samples										6
7-2	6.7		1	2	1	2	.05	.08	1	2	1	2	7
7-3	—		No Samples										7
7-4	6.9		1	2	7	11	.14	.23	2	3	6	10	7
7-5	6.8		2	3	4	6	<1	<1	5	8	7	11	7
7-6	6.9		<1	<1	1	2	<1	<1	2	3	2	3	7
7-7,8	-		No Samples										7
7-9	6.7		<1	<1	<1	<1	<1	<1	1	2	<1	<1	7
7-10	6.9		<1	<1	4	6	<1	<1	3	5	2	3	7
7-11	4.7		<1	<1	30	49	<1	<1	10	16	57	93	7
7-12	6.4		2	3	13	21	<1	<1	8	13	22	36	-
7-13	4.0		2	3	52	85	1	2	24	39	67	109	7
7-14,15	—		No Samples										7
7-16	7.2		<1	<1	<1	<1	<1	<1	1	2	<1	<1	7
7-17	6.9		<1	<1	9	15	<1	<1	4	6	7	11	7
7-18	7.5		<1	<1	<1	<1	<1	<1	1	2	<1	<1	7
7-19	6.7		2	3	5	8	<1	<1	4	6	7	11	7
7-20	6.0		2	3	12	20	<1	<1	8	13	29	47	7
7-21,22	—		No Samples										7
7-23	7.2		2	3	<1	1	<1	<1	5	8	3	5	7
7-24	7.2		<1	1	<1	1	<1	<1	2	3	1	2	7
7-25	7.0	211,543	<1	<1	<1	<1	<1	<1	4	7	1	2	7
7-26	6.8		<1	<1	5	9	<1	<1	5	9	3	5	-
7-27	7.2		<1	<1	<1	<1	<1	<1	2	3	<1	<1	-
7-28,29	—		No Samples.										7
7-30	7.1		<1	<1	<1	<1	<1	<1	3	5	<1	<1	-
7-31	6.8		<1	<1	9	16	<1	<1	4	7	2	3	-
8-1	—		No Samples										
8-2	7.4		<1	<1	4	7	<1	<1	2	3	2	3	
8-3	7.6		<1	<1	3	5	<1	<1	2	3	2	3	
8-4,5	-		No Samples										8
8-6	4.0		1	2	38	67	.37	<1	10	18	69	121	1
8-7	6.6		<1	<1	5	9	.13	<1	1	2	4	7	-

CERRO WEST

PPD	DATE	pH	FLOW	ppm Pb	ppd	ppm Ni	ppd	ppm Cd	ppd	ppm Zn	ppd	ppm Cu	ppd
75	6-19	7.4	113,287	1	1	1	1	.01	<1	1	1	1	1
149	6-20	7.2		1	1	1	1	.07	<1	1	1	1	1
55	6-21	6.9		1	1	1	1	.03	<1	1	1	1	1
41	6-22	6.9		1	1	1	1	.02	<1	1	1	1	1
→	6-23,24	—		←		No Sample							→
1	6-25	6.9		1	1	1	1	.03	<1	1	1	1	1
2	6-26	6.8	↓	1	1	1	1	.02	<1	2	1	2	1
15	6-27	6.9	93,357	1	1	1	1	.05	<1	1	1	1	1
122	6-28	—		←		No Sample							→
6	6-29	7.3		1	1	1	1	.03	<1	1	1	1	1
→	6-30,7-1	—		←		No Sample							→
2	7-2	7.1		1	1	1	1	.04	<1	1	1	1	1
→	7-3	—		←		No Sample							→
10	7-4	7.6		1	1	1	1	.02	<1	1	1	1	1
11	7-5	7.0		<1	<1	<1	<1	<1	<1	2	2	<1	<1
3	7-6	7.1		<1	<1	<1	<1	<1	<1	1	1	<1	<1
→	7-7,8	—		←		No Sample							→
<1	7-9	6.7		<1	<1	<1	<1	<1	<1	3	2	8	6
3	7-10	7.1		<1	<1	<1	<1	<1	<1	1	1	<1	<1
93	7-11	7.4		<1	<1	<1	<1	<1	<1	2	2	<1	<1
36	7-12	7.1		<1	<1	<1	<1	<1	<1	1	1	<1	<1
109	7-13	7.4		<1	<1	<1	<1	<1	<1	1	1	<1	<1
→	7-14,15	—		←		No Sample							→
<1	7-16	7.9		<1	<1	<1	<1	<1	<1	1	1	<1	<1
11	7-17	7.7		<1	<1	<1	<1	<1	<1	1	1	<1	<1
<1	7-18	7.7		<1	<1	<1	<1	<1	<1	2	2	<1	<1
11	7-19	6.8		<1	<1	<1	<1	<1	<1	4	3	2	2
47	7-20	—		←		No Sample							→
→	7-21,22	—		←		No Sample							→
5	7-23	7.0		1	1	<1	<1	<1	<1	5	4	2	2
2	7-24	7.0	↓	<1	<1	<1	<1	<1	<1	2	2	1	1
2	7-25	7.0	109,943	<1	<1	<1	<1	<1	<1	4	4	1	1
5	7-26	7.1		<1	<1	<1	<1	<1	<1	2	2	<1	<1
<1	7-27	7.2		<1	<1	<1	<1	<1	<1	1	1	<1	<1
→	7-28,29	—		←		No Sample							→
<1	7-30	7.4		<1	<1	<1	<1	<1	<1	1	1	<1	<1
3	7-31	7.3		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
→	8-1	7.5		<1	<1	<1	<1	<1	<1	1	1	<1	<1
3	8-2	7.6		<1	<1	<1	<1	<1	<1	1	1	<1	<1
3	8-3	7.9		<1	<1	<1	<1	<1	<1	1	1	<1	<1
→	8-4,5	—		←		No Samples							→
121	8-6	7.8		<1	<1	<1	<1	.04	<1	<1	<1	<1	<1
7	8-7	7.6	↓	<1	<1	<1	<1	.05	<1	1	1	<1	<1

CERRO EAST

DATE	pH	FLOW	ppm Pb	ppd	ppm Ni	ppd	ppm Cd	ppd	ppm Zn	ppd	ppm Cu	ppd	DA
8-8	6.8	211,543	<1	<1	12	21	.06	<1	2	3	13	23	8-8
8-9	4.3		<1	<1	60	106	.47	<1	14	25	105	185	8-9
8-10	7.4		<1	<1	<1	<1	.06	<1	<1	<1	2	3	8-1
8-11,12	—		No Samples										8-11,
8-13	6.9		<1	<1	2	3	.03	<1	1	2	7	12	8-1
8-14	—		No Samples										8-1
8-15	—		No Samples										8-1
8-16	6.7		<1	<1	12	21	.11	<1	1	2	<1	<1	8-1
8-17	3.6		<1	<1	32	56	.25	<1	8	13	5	9	8-1
8-18,19	—		No Samples										8-18,
8-20	—		No Samples										8-2
8-21	6.7		2	3	13	23	.17	<1	3	5	11	19	8-2
8-22	7.0		1	2	8	13	.15	<1	3	5	19	33	8-2
8-23	5.8		9	16	34	60	.32	<1	10	18	103	181	8-2
8-24	—		No Samples										8-2
8-25,26	—		No Samples										8-25,
8-27	—		No Samples										8-2
8-28	6.3		5	8	13	23	.12	<1	5	9	51	90	8-
8-29	—	183,428	No Samples										8-
8-30	6.8		4	6	<1	1	.13	<1	<1	1	2	3	8-
8-31	6.7		2	3	24	36	.17	<1	6	9	58	88	8-
9-1,2,3	—		No Samples										9-1,2
9-4	6.8		<1	1	2	3	.07	<1	2	3	5	8	9-
9-5	6.9		<1	1	4	6	.11	<1	2	3	14	21	9-
9-6	6.2		<1	1	22	33	.13	<1	5	8	59	90	9-
9-7	6.8		<1	1	11	17	.17	<1	3	5	17	26	9-
9-8,9	—		No Samples										9-
9-10	7.0		<1	1	<1	1	.01	<1	<1	1	1	2	9-
9-11	7.1		<1	1	<1	1	.05	<1	<1	1	2	3	9-
9-12	7.3		1	2	<1	1	.14	<1	1	2	4	6	9-
9-13	7.0		2	3	9	14	.32	<1	4	6	27	41	9-
9-14	7.1		1	2	1	2	.16	<1	1	2	4	6	9-
9-15,16	—		No Samples										9-
9-17	7.0		<1	1	<1	1	.02	<1	<1	1	1	2	9-
9-18	7.0		<1	1	<1	1	.02	<1	<1	1	2	3	9-
9-19	6.9		<1	1	<1	1	.26	<1	3	5	<1	1	9-
9-20	7.1		<1	1	<1	1	.14	<1	1	2	1	2	9-
9-21	7.3		<1	1	<1	1	.04	<1	<1	1	<1	1	9-
9-22,23	—		No Samples										9-2
9-24	7.3		<1	1	<1	1	.03	<1	<1	1	<1	1	9-
9-25	7.0		<1	1	27	41	.36	<1	11	17	1	2	9-
9-26	8.4	140,071	<1	1	2	2	.17	<1	2	2	<1	1	9-
9-27	7.8		17	20	1	2	.13	<1	4	5	28	32	9-

CERRO WEST

PPD	DATE	pH	FLOW	Pb ppm	Pb ppd	Ni ppm	Ni ppd	Cd ppm	Cd ppd	Zn ppm	Zn ppd	Cu ppm	Cu ppd
23	8-8	7.8	109,943	<1	<1	<1	<1	.06	<1	<1	<1	1	1
185	8-9	7.8		<1	<1	<1	<1	.03	<1	<1	<1	2	2
3	8-10	7.6		<1	<1	4	<1	.02	<1	<1	<1	2	2
→	8-11,12	–		←		No Samples						→	
12	8-13	7.3		<1	<1	<1	<1	.02	<1	<1	<1	1	1
→	8-14	7.4		<1	<1	<1	<1	.04	<1	<1	<1	<1	<1
→	8-15	7.1		<1	<1	<1	<1	.07	<1	<1	<1	<1	<1
<1	8-16	7.2		<1	<1	<1	<1	.03	<1	<1	<1	<1	<1
9	8-17	7.1		<1	<1	<1	<1	.08	<1	<1	4	<1	<1
→	8-18,19	–		←		No Samples						→	
→	8-20	7.4		<1	<1	<1	<1	.03	<1	<1	<1	<1	<1
19	8-21	7.0		<1	<1	<1	<1	.04	<1	<1	<1	<1	<1
33	8-22	7.3		<1	<1	<1	<1	.08	<1	<1	<1	<1	<1
181	8-23	7.2		<1	<1	<1	<1	.05	<1	<1	<1	4	4
→	8-24	7.3		<1	<1	<1	<1	.11	<1	1	1	2	2
→	8-25,26	–		←		No Samples						→	
→	8-27	8.0		<1	<1	<1	<1	.09	<1	<1	<1	<1	<1
90	8-28	7.6		<1	<1	<1	<1	.12	<1	<1	<1	2	2
→	8-29	7.9	98,601	<1	<1	<1	<1	.06	<1	<1	<1	<1	<1
3	8-30	7.4		<1	<1	<1	<1	.03	<1	<1	<1	1	<1
88	8-31	7.1		<1	<1	<1	<1	.04	4	<1	<1	1	<1
→	9-1,2,3	–		←		No Samples						→	
8	9-4	7.7		<1	<1	<1	<1	.05	<1	<1	<1	1	<1
21	9-5	7.2		<1	<1	<1	<1	.08	<1	1	<1	2	2
90	9-6	—		←		No Samples						→	
26	9-7	7.5		<1	<1	<1	<1	.09	<1	<1	<1	1	<1
→	9-8,9	–		←		No Samples						→	
2	9-10	8.0		<1	<1	<1	<1	.09	<1	1	<1	2	2
3	9-11	7.9		<1	<1	<1	<1	.07	<1	1	<1	2	2
6	9-12	7.9		<1	<1	<1	<1	.04	<1	<1	<1	2	<1
41	9-13	7.8		<1	<1	<1	<1	.09	<1	1	<1	3	2
6	9-14	6.8		<1	<1	<1	<1	.08	<1	<1	<1	1	<1
→	9-15,16	–		←		No Samples						→	
2	9-17	7.3		<1	<1	<1	<1	.03	<1	<1	<1	<1	<1
3	9-18	6.9		<1	<1	<1	<1	.05	<1	<1	<1	<1	<1
1	9-19	7.0		<1	<1	<1	<1	.18	<1	2	2	<1	<1
2	9-20	6.9		<1	<1	<1	<1	.06	<1	1	<1	<1	<1
1	9-21	7.2		<1	<1	<1	<1	.08	<1	1	<1	<1	<1
→	9-22,23	—		←		No Samples						→	
1	9-24	7.8		<1	<1	<1	<1	.12	<1	<1	<1	<1	<1
2	9-25	7.6		<1	<1	<1	<1	.28	4	6	5	2	2
1	9-26	8.0	38,640 .32	<1	<1	<1	<1	.11	<1	2	<2	2	<2
32	9-27	8.1	↓	<1	<1	<1	<1	.10	<1	2	<2	1	<1

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CERRO EAST

DATE	pH	FLOW	ppm Pb	ppb	ppm Ni	ppb	ppm Cd	ppb	ppm Zn	ppb	ppm Cu	ppb	DA
10-1	6.7	140,071	<1	1	<1	1	.05	<1	<1	1	3	3	10-
10-2	6.7		<1	1	<1	1	.05	<1	<1	1	4	5	10-
10-3	7.0		<1	1	<1	1	.07	<1	<1	1	6	7	10-
10-4	7.0		<1	1	<1	1	.05	<1	<1	1	3	3	10-
10-5	6.9		<1	1	7	8	.31	<1	4	5	24	28	10-
10-6,7	—		No Samples										10-
10-8	7.4		<1	1	<1	1	.10	<1	<1	1	4	5	10-
10-9	7.4		<1	1	<1	1	.05	<1	<1	1	4	5	10
10-10	7.4		<1	1	<1	1	.05	<1	<1	1	3	3	10
10-12	8.1		<1	1	<1	1	.12	<1	2	2	4	5	10
10-13	8.4		<1	1	<1	1	.10	<1	<1	1	4	5	10
10-14	—		No Samples										10-
10-15	8.3		<1	1	<1	1	.05	<1	1	1	5	6	10
10-16	6.7		<1	1	2	2	.16	<1	2	2	8	9	10-
10-17	7.1		<1	1	<1	1	.08	<1	1	1	4	5	10-
10-18	7.2		<1	1	<1	1	.12	<1	2	2	5	6	10-
10-19	7.2		<1	1	<1	1	.05	<1	<1	1	3	3	10
10-20,21	—		No Sample										10-
10-22	7.1		1	1	117	136	.48	<1	7	8	4	5	10
10-23	7.7		3	3	195	226	.76	<1	16	19	6	7	10
10-24	7.2	92,486	<1	<1	9	7	.15	<1	3	2	6	5	10
10-25	—		No Samples										10
10-26	7.2		<1	<1	<1	<1	.03	<1	<1	<1	3	2	1
10-27,28	—		No Samples										10-
10-30	7.6		<1	<1	<1	<1	.02	<1	<1	<1	4	3	1
11-1	7.0		<1	<1	<1	<1	.05	<1	<1	<1	3	2	11-
11-2	7.0		<1	<1	<1	<1	.04	<1	<1	<1	3	2	11
11-3,4	—		No Samples.										11-
11-5	7.1		<1	<1	<1	<1	.04	<1	<1	<1	3	2	11-
11-6	7.0		<1	<1	1	1	.10	<1	2	2	7	6	11-
11-7	7.0		1	1	2	2	.17	<1	2	2	8	6	11
11-8	7.0		<1	<1	<1	<1	.06	<1	1	1	4	3	11
11-9	7.0		<1	<1	<1	<1	.07	<1	<1	<1	6	5	11-
11-10,11	—		No Samples										11
11-12	7.0		<1	<1	3	2	.22	<1	6	5	4	3	11-
11-13	7.2		<1	<1	2	2	.14	<1	3	2	6	5	11-
11-14	—		No Samples										11
11-15	—		No Samples										11-
11-16	7.2		<1	<1	<1	<1	.07	<1	<1	<1	2	2	11-
11-17,18	—		No Samples										11-
11-19	7.3		<1	<1	<1	<1	.12	<1	1	1	2	2	11-
11-20	7.3		<1	<1	<1	<1	.15	<1	1	1	2	2	11
11-21	7.2		<1	<1	60	46	.34	<1	4	3	2	2	11

CERRO WEST

PPD	DATE	pH	FLOW	Pb ppm	Pb ppd	Ni ppm	Ni ppd	Cd ppm	Cd ppd	Zn ppm	Zn ppd	Cu ppm	Cu ppd
3	10-1	7.6	38,640	<1	<1	<1	<1	.08	<1	1	<1	7	2
5	10-2	7.4		<1	<1	<1	<1	.05	<1	<1	<1	4	1
7	10-3	7.2		<1	<1	<1	<1	.08	<1	3	1	6	2
3	10-4	7.3		<1	<1	<1	<1	.05	<1	<1	<1	4	1
28	10-5	7.3		<1	<1	1	<1	.04	<1	<1	<1	11	4
→	10-6,7	—		←		No Samples						→	
5	10-8	7.6		<1	<1	<1	<1	.06	<1	1	<1	5	2
5	10-9	7.6		<1	<1	<1	<1	.03	<1	<1	<1	5	2
3	10-10	8.0		<1	<1	<1	<1	.08	<1	<1	<1	4	1
5	10-11	8.1		<1	<1	<1	<1	.05	<1	<1	<1	5	2
5	10-12	8.1		<1	<1	<1	<1	.08	<1	<1	<1	3	1
→	10-13,14	—		←		No Samples						→	
6	10-15	8.5		<1	<1	<1	<1	.05	<1	<1	<1	4	1
9	10-16	7.2		<1	<1	<1	<1	.04	<1	<1	<1	4	1
5	10-17	7.1		<1	<1	<1	<1	.05	<1	<1	<1	4	1
6	10-18	7.1		<1	<1	<1	<1	.03	<1	<1	<1	4	1
3	10-19	7.2		<1	<1	<1	<1	.04	<1	<1	<1	4	1
→	10-20,21	—		←		No Sample						→	
5	10-22	7.8		<1	<1	<1	<1	.03	<1	<1		3	1
7	10-23	7.1		<1	<1	<1	<1	.02	<1	<1		5	2
5	10-24	7.4	47,086	<1	<1	<1	<1	.06	<1	<1	<1	3	1
→	10-25	7.5		<1	<1	<1	<1	.03	<1	<1	<1	3	1
2	10-26	7.6		<1	<1	<1	<1	.05	<1	<1	<1	4	2
→	10-27,28,29	—		←		No Samples						→	
3	10-30	8.0		<1	<1	<1	<1	.08	<1	<1	<1	4	2
2	11-1	7.1		<1	<1	1.7	<1	.21	<1	2	1	4	2
2	11-2	7.2		<1	<1	1.1	<1	.10	<1	<1	<1	3	1
→	11-3,4	—		←		No Samples						→	
2	11-5	7.6		<1	<1	<1	<1	.04	<1	<1	<1	3	1
5	11-6	7.2		<1	<1	<1	<1	.16	<1	3	1	12	5
6	11-7	7.4		<1	<1	<1	<1	.05	<1	<1	<1	8	3
3	11-8	7.7		<1	<1	<1	<1	.03	<1	<1	<1	7	3
5	11-9	7.7		<1	<1	<1	<1	.03	<1	<1	<1	4	2
→	11-10,11	—		←		No Samples						→	
3	11-12	8.0		<1	<1	<1	<1	.01	<1	<1	<1	3	1
5	11-13	7.6		<1	<1	<1	<1	.06	<1	1	<1	11	4
→	11-14	8.0		<1	<1	<1	<1	.07	<1	1	<1	8	3
→	11-15	—		←			No Samples					→	
2	11-16	7.3		<1	<1	<1	<1	.04	<1	<1	<1	1	<1
→	11-17,18	—		←			No Samples					→	
2	11-19	7.7		<1	<1	<1	<1	.05	<1	<1	<1	1	<1
2	11-20	7.4		<1	<1	<1	<1	.12	<1	1	<1	2	1
2	11-21	7.4		<1	<1	<1	<1	.14	<1	2	1	12	5

CERRO EAST

DATE	pH	FLOW	ppm Pb	ppb	ppm Ni	ppb	ppm Cd	ppb	ppm Zn	ppb	ppm Cu	ppb	DA
11-22	—	92,486	No Samples										11-22
11-23	7.1		<1	<1	<1	<1	.26	<1	2	2	2	2	11-2
11-24,25	—		No Samples										11-24
11-26	7.4		<1	<1	3	3	.29	<1	5	4	2	2	11-2
11-27	7.3		<1	<1	4	3	.24	<1	4	3	3	3	11-
11-28	7.3		<1		4		.20		2		2		11-
11-29	7.3		<1		3		.29		3		2		11-2
11-30	7.4		<1		1		.32		2		2		11-
12-1,2	—		No Samples.										12-1
12-3	8.2		<1		<1		.11		<1		2		12-
12-4	7.1		<1		3		.17		9		2		12-4
12-5	7.1		<1		<1		.08		4		2		12-5
12-6	6.9		<1		2		.13		6		2		12-
12-7	6.9		1		7		.23		9		11		12-
12-8,9,10	—		No Samples										12-8
12-11	7.2		<1		2		.20		6		5		12-1
12-12	7.3		<1		12		.19		6		3		12-1
12-13	7.2		<1		2		.12		4		3		12-
12-14	7.2		<1		3		.24		5		3		12-
12-15,16	—		No Samples										12-
12-17	8.0		<1		<1		.08		2		7		12-
12-18	8.3		<1		5		.13		5		4		12-
12-19	8.2		1		<1		.08		3		5		12-
12-20	8.5		<1		2		.06		2		11		12-
12-21	6.7		<1		12		.11		5		12		12-
12-22,23,24,25	—		No Samples.										12-2
12-26	7.0	2,030,429	<1		22		.15		9		4		12-
12-27	7.0		<1		31		.23		14		4		12-
12-28	6.9		<1		<1		.03		2		3		12-
12-29,30,31	—		No Samples										12-2
1-1	7.2		<1		<1		.04		1		2		1-1
1-2	7.4		<1		10		.13		9		6		1-2
1-3	7.3		<1		15		.14		6		5		1-3
1-4	7.3		1		7		2		17		2		1-4
1-5,6	—		No Samples										1-5,
1-7	8.1		<1		25		.17		6		1		1-
1-8	8.5		<1		<1		.04		2		1		1-8
1-9	7.1		<1		<1		.03		<1		2		1-9
1-10	—		No Samples										1-10
1-11	7.0		<1		1		.13		3		3		1-11
1-12,13	—		No Samples										1-12,
1-14	6.8		<1		3		.15		3		2		1-
1-15	7.2		<1		3		.16		2		2		1-

CERRO WEST

~	PPD	DATE	pH	FLOW	Pb ppm	Pb ppd	Ni ppm	Ni ppd	Cd ppm	Cd ppd	Zn ppm	Zn ppd	Cu ppm	Cu ppd
→		11-22	—	47,086	←		No Samples						→	
2		11-23	7.8	↓	<1	<1	<1	<1	.02	<1	<1	<1	1	<1
→		11-24,25	—		←		No Samples						→	
2		11-26	7.8		<1	<1	<1	<1	.05	<1	<1	<1	2	1
3		11-27	7.8		<1	<1	<1	<1	.10	<1	<1	<1	2	1
		11-28	—		←		No Samples						→	
		11-29	8.2		<1		<1		.09		<1		2	
		11-30	7.9		<1		<1		.06		<1		1	
→		12-1,2	—		←		No Samples						→	
		12-3	8.4		<1		<1		.03		<1		1	
		12-4	7.2		<1		<1		.08		2		2	
		12-5	7.1		<1		1		.21		5		2	
		12-6	—		←		No Samples						→	
		12-7	8.0		<1		<1		.09		2		2	
→		12-8,9,10	—		←		No Samples.						→	
		12-11	—		←		No Samples						→	
		12-12	7.8		<1		<1		.09		3		2	
		12-13	7.9		<1		<1		.08		3		2	
		12-14	8.1		<1		<1		.08		3		4	
→		12-15,16	—		←		No Samples						→	
		12-17	8.5		<1		<1		.08		4		7	
		12-18	8.6		<1		<1		.08		3		4	
		12-19	8.4		1		<1		.48		4		14	
		12-20	7.5		<1		<1		.08		1		4	
		12-21	7.3		<1		<1		.03		1		5	
→		12-22,23,24	—		←		No Samples						→	
		12-26	7.7	106,714	<1	<1	<1	<1	.01	<1	1	1	4	4
		12-27	7.7	↓	<1	<1	<1	<1	.003	<1	1	1	4	4
		12-28	7.5		<1	<1	<1	<1	.01	<1	1	1	4	4
→		12-29,30,31	—		←		No Samples						→	
		1-1	8.3		<1	<1	<1	<1	.003	4	2	2	2	2
		1-2	7.9		<1	<1	<1	<1	.02	<1	2	2	2	2
		1-3	—		←		No Samples						→	
		1-4	7.8		<1	<1	<1		.01	<1	1	1	<1	<1
→		1-5,6	—		←		No Samples						→	
		1-7	8.4		<1	<1	<1	<1	.01	<1	1	1	2	2
		1-8	8.5		<1	<1	<1	<1	.02	<1	1	1	2	2
		1-9	7.4		<1	<1	<1	<1	.04	<1	1	1	3	3
→		1-10	7.1		<1	<1	<1	<1	.09	<1	<1	<1	2	2
		1-11	7.2		<1	<1	<1	<1	.08	<1	<1	<1	3	3
→		1-12,13	—		←		No Samples						→	
		1-14	7.2		<1	<1	<1	<1	.06	<1	<1	<1	2	2
		1-15	7.5	↓	<1	<1	<1	<1	.07	<1	1	1	3	3

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CERRO EAST

DATE	pH	FLOW	Pb ppm	Pb ppb	Ni ppm	Ni ppb	Cd ppm	Cd ppb	Zn ppm	Zn ppb	Cu ppm	Cu ppb	DA
1-16-90	7.8	2,030,424	3		24		.38		6		11		1-16-
1-17	6.9		<1		1		.09		2		3		1-17
1-18	6.9		<1		4		.20		3		6		1-18
1-19,20	—		No Samples										1-19,
1-21	7.1		<1		2		.16		3		5		1-2
1-22	6.9		<1		7		.22		5		5		1-2
1-23	7.3		1		5		.10		2		9		1-2
1-24	7.1		<1		6		.24		5		8		1-2
1-25	—		No Samples										1-2
1-26,27,28	—		No Samples.										1-26,
1-29	—		No Samples										1-2
1-30	7.9		<1		8		.15		4		4		1-3
1-31	8.1		<1		6		.16		3		8		1-
2-1	7.1		2		5		.12		5		17		2-1
2-2,3	-		No Samples.										2-2
2-4	6.9		<1		<1		.03		2		6		2-
2-5	7.2		<1		5		.16		8		6		2-5
2-6	6.5		<1		7		.21		10		3		2-
2-7	7.2		<1		15		.25		13		4		2-7
2-8	—		No Samples										2-8
2-9,10	—		No Samples										2-9,
2-11	—		No Samples										2-1
2-12	—		No Samples										2-12
2-13	—		No Samples										2-13
2-14	7.1		<1		3		.12		4		5		2-
2-15	7.3		<1		3		.19		7		4		2-
2-16,17,18	—		No Samples										2-16
2-20	7.1	1,085,257	<1		3		.19		9		3		2-2
2-21	8.1		<1		1		.10		4		3		2-2
2-22	8.3		<1		<1		.05		3		3		2-2
2-23,24	—		No Samples										2-2
2-25	7.3		<1		1		.06		<1		3		2-2
2-26	6.9		<1		1		.01		4		3		2-2
2-27	6.8		<1		5		.10		9		4		2-2
2-28	6.6		<1		3		.07		2		4		2-2
3-1	6.8		<1		5		.04		3		4		3-1
3-2,3	-		No Samples										3-2,
3-4	7.6		<1		8		.10		11		7		3-
3-5	7.1		<1		<1		.01		2		2		3-5
3-6	7.0		<1		4		.16		15		4		3-
3-7	7.1		<1		6		.11		8		5		3-
3-8	7.3		<1		1		.02		2		4		3-
3-9,10	—		No Samples										3-9

CERRO WEST

# PPD	DATE	pH	FLOW	Pb ppm	Pb ppb	Ni ppm	Ni ppb	Cd ppm	Cd ppb	Zn ppm	Zn ppb	Cu ppm	Cu ppb
	1-16-90	7.4	106,714	<1	<1	<1	<1	.06	<1	<1	<1	3	3
	1-17	7.3		<1	<1	<1	<1	.07	<1	1	1	5	5
	1-18	—		No Samples									
→	1-19, 20	—		No Samples									
	1-21	7.9		<1	<1	<1	<1	.06	<1	<1	<1	2	2
	1-22	7.5		<1	<1	<1	<1	.06	<1	1	1	4	4
	1-23	7.5	48,892	<1	<1	<1	<1	.05	<1	1	<1	3	1
	1-24	7.3		<1	<1	<1	<1	.10	<1	1	<1	5	2
→	1-25	7.6		<1	<1	<1	<1	.05	<1	1	<1	2	1
→	1-26,27,28	—		No Samples									
→	1-29	7.9		<1	<1	<1	<1	.07	<1	1	<1	2	1
	1-30	8.2		<1	<1	<1	<1	.05	<1	1	<1	3	1
	1-31	8.2		<1	<1	<1	<1	.10	<1	1	<1	4	2
	2-1	7.1		<1	4	<1	<1	.08	<1	2	1	9	4
→	2-2,3	—		No Samples									
	2-4	7.6		<1	<1	<1	<1	.02	<1	1	<1	4	2
	2-5	7.3		<1	<1	<1	<1	.01	<1	3	1	4	2
	2-6	7.0		<1	<1	<1	<1	.06	<1	2	1	4	2
	2-7	7.2		<1	<1	<1	<1	.09	<1	3	1	3	1
→	2-8	7.5		<1	<1	<1	<1	.03	<1	2	1	3	1
→	2-9,10	—		No Samples									
→	2-11	7.9		<1	<1	<1	<1	.03	<1	2	1	3	1
→	2-12	8.0		<1	<1	2	1	.12	<1	4	2	10	4
→	2-13	7.6		<1	<1	2	1	.10	<1	4	2	4	2
	2-14	23		<1	<1	<1	<1	.09	<1	3	1	8	3
	2-15	7.5		<1	<1	<1	<1	.08	<1	2	1	6	2
→	2-16,17,18,19	—		No Samples									
	2-20	8.1	135,028	<1	1	1	1	.13	<1	4	4	3	3
	2-21	8.2		<1	1	<1	1	.07	<1	3	3	4	4
	2-22	—		No Samples									
→	2-23,24	—		No Samples									
	2-25	7.6		<1	1	<1	1	.01	<1	2	2	3	3
	2-26	7.3		<1	1	<1	1	.02	<1	1	1	4	4
	2-27	7.2		<1	1	<1	1	.03	<1	2	2	5	6
	2-28	7.3		<1	1	<1	1	.21	<1	3	3	4	4
	3-1	7.3		<1	1	<1	1	.06	<1	2	2	3	3
→	3-2,3	—		No Samples.									
	3-4	7.9		<1	1	<1	1	.01	<1	2	2	3	3
	3-5	7.2		<1	1	<1	1	.04	<1	2	2	9	3
	3-6	7.3		<1	1	<1	1	.03	<1	2	2	5	3
	3-7	7.5		<1	1	<1	1	.27	<1	3	3	6	7
	3-8	7.6		<1	1	<1	1	.01	<1	2	2	7	8
→	3-9,10	—		No Samples									

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CERRO EAST

DATE	pH	FLOW	Pb ppm	Pb ppb	Ni ppm	Ni ppb	Cd ppm	Cd ppb	Zn ppm	Zn ppb	Cu ppm	Cu ppb	DA
3-11	7.4	1,085,257	<1		1		.02		2		4		3-1
3-12	7.4		1		2		.12		10		6		3-
3-13	7.7		<1		1		.07		6		5		3-
3-14	7.8		<1		1		.04		3		5		3-
3-15	7.4		1		8		.16		9		5		3-1
3-16,17	—		No Samples										3-1
3-18	6.8		<1		1		.09		4		3		3-1
3-19	7.0		<1		<1		.03		2		2		3-1
3-20	6.8		<1		<1		.02		2		3		3-
3-21	6.8		<1		<1		.05		2		3		3-
3-22	6.9		<1		2		.11		4		3		3-
3-23,24	—		No Samples										3-
3-25	7.4		<1		<1		.07		2		2		3-
3-26	7.3		<1		<1		.10		6		2		3-
3-27	7.5	149,250	<1	1	2	2	.18	<1	8	10	3	4	3-
3-28	7.7	1.2	<1	1	<1	1	.05	<1	3	4	3	4	3-
3-29	7.0		<1	1	<1	1	.03	<1	2	2	3	4	3-
3-30,31	—		No Samples										3-
4-1	6.8		<1	1	<1	1	.05	<1	2	2	2	2	4-
4-2	6.8		<1	1	<1	1	.03	<1	1	1	2	2	4-
4-3	6.8		<1	1	1	1	.16	<1	10	12	2	2	4-
4-4	6.9		<1	1	<1	1	.03	<1	2	2	2	2	4-
4-5	6.9		<1	1	<1	1	.05	<1	2	2	2	2	4
4-6,7	—		No Samples										4-
4-8	7.3		<1	1	<1	1	.05	<1	2	2	2	2	4
4-9	6.8		<1	1	4	5	.16	<1	8	10	22	93	4-
4-10	7.6		<1	1	3	3	.04	<1	3	4	11	47	4
4-11	7.6		<1	1	<1	1	.03	<1	1	1	3	4	4
4-12	8.5		<1	1	<1	1	.04	<1	1	1	3	4	4
4-13,14	—		No Samples										4-1
4-15	7.0		<1	1	<1	1	.05	<1	1	1	3	4	4
4-16	7.0		<1	1	<1	1	.07	<1	2	2	4	5	4-
4-17	7.2		<1	1	<1	1	.08	<1	2	2	3	4	4
4-18	7.4		<1	1	<1	1	.07	<1	2	2	3	4	4
4-19	7.7		<1	1	<1	1	.09	<1	2	2	3	4	4-
4-20,21	—		No Samples										4-
4-22	—		No Samples										4
4-23	8.3		<1	1	<1	1	.05	<1	1	1	3	4	4
4-24	7.0		<1		2		.07		2		6		4
4-25	7.1		<1		<1		.10		2		3		4
4-26	7.0		<1		4		.11		3		3		4
4-27,28	—		No Samples										4-
4-29	7.5		<1		4		.08		2		2		

CERRO WEST

ppd	DATE	pH	FLOW	Pb ppm	Pb ppd	Ni ppm	Ni ppd	Cd ppm	Cd ppd	Zn ppm	Zn ppd	Cu ppm	Cu ppd
	3-11	–	135,028	←		No Samples							→
	3-12	7.8		<1	1	<1	1	.03	<1	2	2	6	7
	3-13	8.3		<1	1	<1	1	.01	<1	2	2	4	4
	3-14	8.4		<1	1	<1	1	.04	<1	2	2	5	6
	3-15	6.9		<1	1	<1	1	.13	<1	4	4	4	4
→	3-16,17	–		←		No Samples							→
	3-18	7.3		<1	1	<1	1	.04	<1	2	2	3	3
	3-19	7.3		<1	1	<1	1	.07	<1	3	3	3	3
	3-20	7.3		<1	1	4	4	.06	<1	3	3	5	6
	3-21	7.2		<1	1	11	12	.16	<1	6	7	5	6
	3-22	7.6		<1	1	1	1	.06	<1	2	2	6	7
→	3-23,24	–		←		No Samples							→
	3-25	7.8		<1	1	<1	1	.06	<1	1	1	4	4
	3-26	7.5		<1	1	<1	1	.06	<1	2	2	4	4
4	3-27	7.6	95,679	<1	<1	<1	<1	.03	<1	2	2	4	3
4	3-28	8.3		<1	<1	<1	<1	.09	<1	2	2	11	9
4	3-29	7.0		<1	<1	<1	<1	.07	<1	1	1	4	3
→	3-30,31	–		←		No Samples							→
2	4-1	7.5		<1	<1	<1	<1	.05	<1	2	2	3	2
2	4-2	7.1		<1	<1	<1	<1	.04	<1	1	1	3	2
2	4-3	7.1		<1	<1	<1	<1	.04	<1	1	1	3	2
2	4-4	7.3		<1	<1	<1	<1	.08	<1	2	2	3	2
2	4-5	7.3		<1	<1	<1	<1	.09	<1	2	2	5	4
→	4-6,7	–		←		No Samples							→
2	4-8	7.9		<1	<1	<1	<1	.03	<1	2	2	2	2
93	4-9	7.9		<1	<1	<1	<1	.04	<1	2	2	5	4
47	4-10	7.9		<1	<1	<1	<1	.05	<1	2	2	6	5
4	4-11	8.2		<1	<1	<1	<1	.11	<1	2	2	3	2
4	4-12	8.2		<1	<1	<1	<1	.06	<1	2	2	2	2
→	4-13,14	–		←		No Samples							→
4	4-15	7.9		<1	<1	<1	<1	.05	<1	<1	<1	3	2
5	4-16	7.4		<1	<1	<1	<1	.05	<1	1	1	4	3
4	4-17	7.6		<1	<1	<1	<1	.03	<1	<1	<1	3	2
4	4-18	7.8		<1	<1	<1	<1	.09	<1	2	2	3	2
4	4-19	7.8		<1	<1	<1	<1	.05	<1	<1	<1	3	2
→	4-20,21	–		←		No Samples							→
→	4-22	7.7		<1	<1	<1	<1	.08	<1	1	1	3	2
4	4-23	8.1		<1	<1	<1	<1	.12	<1	2	2	5	4
	4-24	7.8		<1		<1		.05		1		3	
	4-25	7.6		<1		<1		.09		1		3	
	4-26	7.6		<1		<1		.07		1		<1	
→	4-27,28	–		←		No Samples							→
	4-29	8.2		<1		<1		.09		1		3	

CERRO EAST

DATE	pH	FLOW	ppm Pb	ppd	ppm Ni	ppd	ppm Cd	ppd	ppm Zn	ppd	ppm Cu	ppd	DA
4-30	7.3		<1		<1		.09		3		2		4-3
5-1	6.9		<1		<1		.05		2		3		5-1
5-2	7.0		<1		<1		.12		3		5		5-2
5-3	6.9		<1		<1		.07		<1		4		5-3
5-4,5	—		No Sample										5-4
5-6	7.0		<1		<1		.05		1		3		5-6
5-7	6.8		<1		4		.17		6		3		5-7
5-8	7.2		1		2		.12		3		6		5-8
5-9	7.0		<1		3		.10		3		4		5-9
5-10	6.9		1		3		.17		4		4		5-1
5-11,12	—		No Sample										5-11,
5-13	7.5		<1		<1		.04		1		3		5-1
5-14	7.7		<1		<1		.06		2		4		5-1
5-15	7.0		1		1		.05		2		8		5-1
5-16	6.6		<1		<1		.02		1		6		5-1
5-17	6.8		<1		1		.09		3		3		5-1
5-18,19	—		No Samples.										5-1
5-20	6.5		<1		<1		.05		2		3		5-2
5-21	6.7		<1		<1		.06		2		2		5-2
5-22	—		No Samples.										5-2
5-23	—		No Samples										5-2
5-24	6.5		<1		3		.13		4		2		5-2
5-25,26,27	—		No Samples										5-2
5-28	6.6		<1		2		.13		3		2		5-
5-29	6.8		<1		<1		.08		2		2		5-
5-30	6.9		<1		5		.14		4		1		5-
5-31	7.0		1		1		.07		2		1		5-
6-1,2	—		No Samples										6-1,
6-3	7.3		<1		<1		.07		2		<1		6-
6-4	7.6		<1		2		.16		4		2		6-
6-5	6.8		<1		2		.11		3		3		6-
6-6	7.1		<1		1		.04		2		4		6-
6-7	6.6		<1		2		.10		3		3		6-
6-8,9	—		No Samples										6-8
6-10	6.8		<1		<1		.03		1		2		6-
6-11	7.0		<1		<1		.05		1		2		6-
6-12	6.9		<1		4		.10		4		3		6-
6-13	6.9		<1		2		.03		2		3		6-
6-14	7.1		<1		<1		.08		3		2		6-
6-15,16	—		No Samples										6-
6-17	7.2		<1		<1		.04		1		<1		6-
6-18	7.3		<1		<1		.05		1		2		6-
6-19	7.5		<1		<1		.08		1		3		6-

CERRO WEST

DATE	pH	FLOW	ppm Pb	ppb	ppm Ni	ppb	ppm Cd	ppb	ppm Zn	ppb	ppm Cu	ppb
4-30	8.1		<1		<1		.09		2		3	
5-1	7.5		<1		<1		.06		1		4	
5-2	7.8		<1		<1		.09		2		4	
5-3	7.4		<1		<1		.04		1		3	
5-4,5	—		No Samples									
5-6	8.2		<1		<1		.16		1		3	
5-7	7.6		<1		<1		.13		2		3	
5-8	7.4		<1		<1		.16		2		3	
5-9	7.4		<1		<1		.10		2		3	
5-10	7.3		<1		<1		.06		1		3	
5-11,12	—		No Samples									
5-13	8.6		<1		<1		.13		2		2	
5-14	8.2		<1		<1		.05		1		3	
5-15	7.1		<1		<1		.02		<1		12	
5-16	—		No Samples									
5-17	7.0		<1		<1		.01		<1		3	
5-18,19	—		No Samples									
5-20	7.5		<1		<1		.03		<1		2	
5-21	7.8		<1		<1		.06		<1		6	
5-22	8.1		<1		<1		.01		<1		4	
5-23	7.7		<1		<1		.05		<1		3	
5-24	8.0		<1		<1		.04		<1		2	
5-25,26,27	—		No Samples									
5-28	7.7		<1		<1		.03		<1		<1	
5-29	7.6		<1		<1		.07		1		1	
5-30	7.4		<1		<1		.04		<1		<1	
5-31	7.5		<1		<1		.09		1		<1	
6-1,2	—		No Samples									
6-3	8.2		<1		<1		.04		<1		<1	
6-4	7.9		<1		<1		.06		1		<1	
6-5	7.2		<1		2		.03		<1		3	
6-6	7.4		<1		<1		.05		1		9	
6-7	7.5		<1		<1		.04		<1		3	
6-8,9	—		No Samples									
6-10	7.8		<1		<1		—		<1		1	
6-11	7.4		<1		<1		.04		<1		1	
6-12	7.4		<1		<1		.02		<1		2	
6-13	7.5		<1		<1		.02		<1		1	
6-14	7.5		<1		<1		.03		<1		1	
6-15,16	—		No Samples									
6-17	7.3		<1		<1		.04		<1		3	
6-18	7.9		<1		<1		.05		<1		1	
6-19	7.9		<1		<1		.03		<1		1	

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CERRO EAST

DATE	pH	FLOW	ppm Pb	ppd	ppm Ni	ppd	ppm Cd	ppd	ppm Zn	ppd	ppm Cu	ppd	D
6-20-90	7.0		<1		4		.10		3		3		6-
6-21-90	7.1		<1		1		.11		3		3		6-
6-22,23	—		←		No Samples							→	6-
6-24	7.2		<1		<1		.06		2		2		6-
6-25	6.7		<1		8		.08		3		2		6-
6-26	6.6		<1		2		.06		2		2		6-
6-27	6.7		<1		1		.05		2		2		6
6-28	6.7		<1		4		.13		4		2		6-
6-29,30	—		←		No Samples							→	6-
7-1	7.2		<1		2		.08		3		3		7-
7-2	7.8		<1		2		.14		5		2		7-
7-3	—		←		No Samples							→	7-
7-4	7.3		<1		<1		.08		3		2		7-
7-5	7.2		<1		<1		.03		1		2		7-
7-6,7	—		←		No Samples							→	7-
7-8	8.0		<1		<1		.03		1		2		7-
7-9	6.9		<1		2		.13		6		1		7-
7-10	7.0		<1		2		.12		5		1		7-
7-11	6.9		<1		4		.17		8		1		7-
7-12	7.2		<1		4		.08		4		12		7-
7-13,14,A	—		←		No Samples							→	7-1
7-16	—		←		No Samples							→	7-1
7-17	—		←		No Samples							→	7-
7-18	—		←		No Samples							→	7-
7-19	—		←		No Samples							→	7
7-20,21	—		←		No Samples							→	7-2
7-22	7.1		<1		<1		.02		.02		<1		7
7-23	7.1		<1		<1		.03		.03		<1		7
7-24	7.3		<1		<1		.01		.01		<1		7-
7-25	7.0		<1		<1		.07		.07		<1		7-
7-26	7.2		1		<1		.04		.04		<1		7
7-27,28	—		←		No Samples							→	7-
7-29	8.1		<1		6		.32		.32		1		7
7-30	8.6		<1		<1		.09		.09		<1		7
7-31	—				No Samples								7-
8-1	7.0		<1		<1		.07		3		2		8-
8-2	7.3		<1		3		.19		8		2		8
8-3	7.4		<1		4		.20		9		3		8-
8-5	7.0		1		8		.21		14		4		8
8-6	—		←		No Sample							→	8-
8-7	—		←		No Sample							→	8
8-8	7.2		1		11		.23		14		17		8
8-9	7.0		1		37		.32		25		3		8

CERRO WEST

Cu ppb	DATE	pH	FLOW	ppm Pb	ppb	ppm Ni	ppb	ppm Cd	ppb	ppm Zn	ppb	ppm Cu	ppb
	6-20-90	6.9		<1		<1		.04		1		3	
	6-21	6.9		<1		<1		.04		1		2	
→	6-22,23	—		←		No Samples						→	
	6-24	7.5		<1		<1		.01		1		2	
	6-25	7.2		<1		<1		.02		1		3	
	6-26	7.3		<1		<1		.03		<1		2	
	6-27	7.4		<1		<1		.03		<1		2	
	6-28	7.4		<1		<1		.03		1		2	
→	6-29,30	—		←		No Samples						→	
	7-1	7.7		<1		<1		.02		1		2	
	7-2	8.2		<1		<1		.05		1		2	
→	7-3	—		←		No Samples						→	
	7-4	7.8		<1		<1		.05		2		2	
	7-5	7.4		<1		<1		.06		2		5	
→	7-6,7	—		←		No Samples						→	
	7-8	—		←		No Samples						→	
	7-9	7.0		<1		<1		.04		1		1	
	7-10	6.6		<1		<1		.01		<1		1	
	7-11	6.3		<1		7		.07		3		51	
	7-12	7.2		<1		<1		.03		<1		7	
→	7-13,14,15	—		←		No Samples						→	
→	7-16	7.1		<1		<1		.01		<1		<1	
→	7-17	7.3		<1		<1		.02		<1		1	
→	7-18	7.1		<1		<1		.01		<1		2	
→	7-19	7.4		<1		<1		.01		<1		<1	
→	7-20,21	—		←		No Samples						→	
	7-22	7.3		<1		<1		.03		<1		<1	
	7-23	7.9		<1		<1		.03		<1		<1	
	7-24	7.3		<1		<1		.00[illegible]		<1		<1	
	7-25	7.5		<1		<1		.02		<1		2	
	7-26	7.6		<1		<1		.03		<1		<1	
→	7-27,28	—		←		No Samples						→	
	7-29	—		←		No Samples						→	
	7-30	8.2		<1		<1		.05		<1		<1	
	7-31	6.8		<1		<1		.04		1		2	
	8-1	6.8		<1		<1		.03		1		3	
	8-2	7.1		<1		<1		.02		1		3	
	8-3,4	—		←		No Samples						→	
	8-5	7.9		<1		<1		.12		2		11	
→	8-6	7.6		<1		<1		.05		1		3	
→	8-7	7.6		<1		<1		.03		1		6	
	8-8	7.6		<1		<1		.06		2		2	
	8-9	7.6		<1		<1		.04		1		2	

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DATE	p
6-20-90	7
6-21-90	7
6-22,23	-
6-24	7
6-25	6
6-26	6
6-27	6
6-28	6
6-29,30	-
7-1	7
7-2	7
7-3	
7-4	7
7-5	7
7-6,7	.
7-8	8
7-9	6.
7-10	7
7-11	6
7-12	7
7-13,14,15	-
7-16	.
7-17	-
7-18	-
7-19	-
7-20,21	-
7-22	7.
7-23	7.
7-24	7
7-25	7.
7-26	7.
7-27,28	-
7-29	8
7-30	8.
7-31	-
8-1	7.
8-2	7.
8-3	7.
8-5	7.
8-6	-
8-7	-
8-8	7.
8-9	7.

ppm x .0584 grain/gal ... x 1[illegible] lbs/m [illegible] x gallons/day = lbs/day

ppm x 8.34 in gallon/day [illegible]