

1985 Soil Geochemistry Survey - Complete Data Listing - West Sheet

No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
1	<20	<20	<20		51	65	<20	152	
2	<20	<20	<20		52	53	59	274	
3	<20	<20	<20		53	30	<20	251	Di
4	<20	<20	149		54	65	166	319	
5	<20	<20	<20		55	<20	<20	199	Di
6	<20	<20	59		56	<20	<20	146	
7	25	<20	40		57	<20	<20	134	Di
8	<20	<20	<20		58	<20	<20	49	
9	<20	<20	46		59	<20	114	520	
10	123	216	264		60	100	<20	291	
11	<20	<20	136		61	<20	<20	26	
12	<20	<20	101		62	<20	<20	64	
13	<20	<20	81		63	<20	<20	<20	Di
14	<20	<20	30		64	<20	<20	332	Di
15	30	<20	59		65	<20	<20	88	
16	93	<20	94		66	<20	82	226	
17	42	21	286		67	NA			
18	<20	<20	79		68	<20	<20	<20	
19	<20	<20	72		69	<20	24	47	
20	30	<20	103		70	<20	<20	<20	
21	<20	<20	<20	Di	71	<20	<20	51	
22	<20	<20	78		72	<20	<20	<20	
23	NA				73	<20	<20	30	
24	<20	85	277		74	<20	<20	49	
25	<20	33	162		75	<20	<20	51	
26	<20	61	298		76	<20	<20	128	
27	<20	<20	30		77	<20	<20	124	
28	<20	36	115		78	<20	<20	77	
29	<20	<20	98		79	<20	<20	26	
30	<20	24	183		80	<20	<20	98	
31	<20	<20	30	Di	81	<20	<20	94	
32	<20	<20	<20		82	<20	<20	43	
33	<20	<20	124		83	<20	<20	128	
34	<20	<20	68		84	<20	<20	26	
35	<20	<20	<20		85	<20	121	400	
36	30	<20	97		86	<20	<20	285	
37	<20	<20	25		87	<20	<20	28	
38	<20	<20	<20		88	<20	<20	43	
39	30	40	143		89	<20	<20	<20	
40	76	282	388		90	<20	<20	43	
41	<20	<20	<20		91	<20	<20	<20	
42	<20	<20	<20		92	<20	<20	40	
43	<20	<20	31		93	<20	<20	28	
44	<20	<20	<20		94	<20	<20	43	
45	<20	<20	28		95	<20	<20	113	
46	<20	<20	59		96	<20	<20	28	
47	<20	<20	51		97	<20	<20	25	
48	30	50	705		98	<20	<20	43	
49	<20	<20	<20		99	29	115	52	
50	65	<20	75		100	24	<20	50	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
101	NA				151	42	<20	373	
102	<20	<20	<20		152	<20	<20	32	
103	<20	55	389		153	42	<20	267	
104	<20	<20	46		154	<20	<20	46	
105	<20	<20	<20		155	42	33	742	
106	<20	<20	<20		156	30	137	1974	
107	<20	<20	<20		157	NA			
108	<20	<20	<20		158	<20	<20	149	
109	<20	<20	<20		159	30	<20	92	
110	<20	<20	<20		160	37	<20	70	
111	<20	<20	<20		161	NA			
112	69	<20	42		162	<20	<20	94	
113	<20	<20	28		163	30	<20	144	
114	<20	<20	88		164	<20	<20	111	
115	<20	<20	43		165	<20	<20	95	
116	21	<20	<20		166	<20	<20	104	
117	21	<20	<20		167	<20	<20	<20	
118	<20	<20	74		168	<20	<20	77	
119	<20	<20	<20		169	<20	<20	<20	
120	<20	<20	<20		170	<20	<20	<20	
121	<20	<20	<20		171	<20	<20	186	
122	<20	<20	107		172	<20	<20	<20	
123	<20	<20	<20		173	<20	<20	<20	
124	<20	<20	43		174	<20	<20	<20	
125	<20	<20	<20		175	<20	<20	<20	
126	<20	<20	<20		176	<20	<20	96	
127	<20	21	145		177	<20	<20	128	Go
128	<20	<20	85		178	<20	<20	28	
129	207	<20	55		179	<20	<20	<20	
130	26	<20	<20		180	<20	<20	72	
131	<20	<20	<20		181	<20	<20	<20	
132	<20	<20	<20		182	<20	<20	31	
133	<20	<20	49		183	22	<20	94	
134	<20	<20	45		184	22	<20	<20	
135	<20	<20	<20		185	<20	<20	<20	
136	<20	<20	43		186	<20	<20	28	
137	<20	<20	<20		187	42	48	27	
138	<20	<20	<20		188	<20	<20	22	
139	<20	<20	41		189	<20	<20	<20	
140	<20	<20	<20		190	36	<20	40	
141	<20	<20	<20		191	<20	<20	<20	
142	<20	<20	37		192	29	<20	28	
143	<20	<20	25		193	149	221	52	
144	<20	<20	22		194	<20	<20	98	
145	30	<20	81		195	22	<20	22	
146	30	<20	49		196	<20	<20	<20	
147	<20	<20	52 Di		197	42	<20	33	
148	<20	<20	159		198	<20	<20	49	
149	42	<20	349		199	36	<20	46	
150	65	<20	<20		200	42	<20	52	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
201	43	<20	66		251	<20	<20	<20	
202	<20	<20	82		252	<20	<20	34	
203	<20	<20	102		253	<20	<20	<20	
204	<20	<20	<20		254	<20	<20	23	
205	67	209	30		255	<20	<20	41	
206	<20	167	1618		256	<20	<20	<20	
207	NA				257	<20	<20	38	
208	<20	77	142		258	30	<20	38	
209	<20	<20	<20	Di	259	NA			
210	23	<20	232		260	<20	<20	<20	
211	<20	<20	115	Di	261	<20	<20	49	
212	35	<20	33		262	<20	<20	<20	
213	50	<20	178		263	30	<20	136	
214	37	<20	39		264	<20	<20	470	
215	54	<20	69		265	<20	<20	72	
216	<20	<20	53		266	92	<20	308	
217	37	<20	110		267	<20	<20	201	
218	45	<20	101		268	NA			
219	<20	<20	<20		269	<20	<20	101	
220	21	<20	104		270	<20	<20	35	Di
221	35	<20	57		271	<20	<20	367	
222	21	<20	<20		272	<20	<20	95	
223	21	<20	81		273	43	<20	63	
224	<20	<20	47		274	60	60	55	
225	28	<20	27		275	36	<20	34	
226	<20	<20	21		276	22	<20	<20	
227	<20	<20	33		277	49	41	80	
228	<20	<20	<20		278	49	55	54	
229	<20	<20	<20		279	36	<20	54	
230	<20	<20	<20		280	62	113	75	
231	<20	<20	33		281	35	<20	35	
232	<20	<20	60		282	56	54	43	
233	<20	<20	<20		283	49	<20	22	
234	<20	<20	25		284	36	27	49	
235	<20	<20	<20		285	43	38	89	
236	<20	<20	<20		286	29	78	60	
237	<20	<20	280		287	<20	<20	<20	
238	<20	<20	<20		288	29	113	107	
239	<20	<20	<20		289	<20	<20	52	
240	<20	<20	24		290	22	70	133	Di
241	<20	<20	<20		291	<20	<20	37	
242	<20	<20	22		292	<20	<20	34	
243	<20	<20	<20		293	54	76	47	
244	36	<20	30		294	22	23	60	
245	<20	<20	<20		295	29	<20	156	
246	<20	<20	<20		296	<20	<20	<20	
247	30	<20	23		297	29	22	<20	
248	<20	<20	<20		298	22	<20	<20	
249	<20	<20	56		299	<20	<20	<20	
250	146	77	91		300	39	35	89	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
301	29	<20	<20		351	<20	<20	57	
302	<20	<20	61		352	<20	<20	56	
303	54	<20	30		353	<20	<20	<20	
304	<20	<20	<20		354	<20	<20	<20	
305	<20	<20	<20		355	<20	<20	<20	
306	<20	<20	<20		356	<20	<20	<20	
307	54	<20	26		357	<20	<20	107	
308	<20	<20	27		358	<20	<20	<20	
309	35	<20	<20		359	<20	<20	81	
310	73	<20	27		360	<20	<20	<20	
311	<20	<20	<20		361	<20	<20	52	
312	<20	<20	<20		362	<20	<20	30	
313	<20	<20	32		363	<20	<20	<20	
314	<20	<20	23		364	<20	<20	<20	
315	35	52	287		365	<20	<20	<20	
316	64	<20	69		366	<20	<20	65	
317	35	<20	37		367	<20	<20	27	
318	42	<20	38		368	<20	<20	<20	
319	35	<20	69		369	<20	<20	<20	
320	35	77	692 Di		370	<20	<20	23	
321	<20	<20	85		371	<20	<20	89	
322	35	<20	<20		372	26	<20	84	
323	<20	<20	45		373	<20	<20	<20	
324	73	<20	45		374	29	79	54	
325	<20	<20	<20		375	29	132	66	
326	<20	<20	<20		376	36	61	57	
327	<20	<20	<20		377	56	<20	55 Py	
328	<20	<20	43		378	69	190	307 Go	
329	<20	<20	<20		379	36	64	136	
330	<20	<20	<20		380	82	404	107	
331	54	<20	57		381	69	305	81	
332	<20	<20	<20		382	49	283	284	
333	<20	<20	<20		383	<20	23	69	
334	<20	<20	<20		384	48	58	69	
335	0				385	36	32	92	
336	<20	<20	<20		386	42	620	30	
337	<20	<20	<20		387	79	253	44	
338	73	118	26		388	29	55	49	
339	36	<20	87		389	48	62	21	
340	<20	<20	<20		390	85	<20	<20	
341	<20	<20	<20		391	54	1014	35	
342	<20	<20	<20		392	42	<20	<20	
343	<20	<20	60		393	48	93	80	
344	<20	<20	<20		394	50	166	178	
345	<20	<20	<20		395	<20	<20	164	
346	55	<20	32		396	30	111	194	
347	<20	<20	<20		397	42	190	77	
348	<20	<20	45		398	37	104	69	
349	<20	<20	<20		399	<20	31	93	
350	<20	<20	32		400	54	<20	223	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
401	69	461	129		451	<20	<20	<20	
402	23	<20	218		452	<20	<20	<20	
403	<20	<20	85		453	65	<20	56	
404	110	65	82		454	<20	<20	<20	
405	35	120	77		455	<20	<20	<20	
406	54	<20	<20		456	<20	<20	<20	
407	39	60	338		457	<20	<20	<20	
408	36	141	66		458	<20	<20	<20	
409	77	<20	56		459	<20	<20	<20	
410	22	<20	104		460	88	<20	112	
411	29	37	89		461	<20	<20	63	
412	48	<20	26		462	<20	<20	96	
413	36	69	54		463	30	<20	56	
414	<20	<20	<20		464	43	200	31	
415	<20	<20	25		465	39	708	178 Go	
416	22	<20	28		466	1548	1630	404 Po	
417	<20	<20	<20		467	21	<20	24	
418	NA				468	37	255	88	
419	22	79	60		469	60	136	44	
420	38	49	561		470	98	212	66	
421	39	<20	<20		471	54	356	27	
422	<20	<20	60		472	30	<20	88 Go	
423	69	<20	66		473	129	329	<20	
424	47	<20	25		474	<20	<20	104	
425	36	250	<20		475	79	251	<20	
426	<20	<20	69		476	23	<20	91	
427	29	298	229 Di		477	48	66	38	
428	<20	<20	52		478	54	176	30	
429	<20	<20	80		479	36	250	54 Po	
430	29	<20	<20 Di		480	213	<20	104	
431	22	<20	<20		481	42	26	156	
432	22	226	66		482	129	574	38	
433	<20	<20	31		483	82	244	548	
434	<20	<20	<20		484	60	76	66	
435	<20	<20	<20		485	43	236	43 Po	
436	<20	<20	52		486	<20	<20	55	
437	<20	<20	<20		487	60	101	139	
438	<20	<20	<20		488	48	<20	<20	
439	<20	<20	<20		489	104	344	125	
440	<20	<20	33		490	42	62	63	
441	28	<20	39		491	23	<20	63	
442	<20	<20	<20		492	30	<20	198	
443	<20	<20	27		493	54	<20	41	
444	<20	<20	<20		494	173	<20	35 Go	
445	<20	<20	<20		495	22	102	<20	
446	<20	<20	25		496	48	<20	<20	
447	<20	58	39		497	42	<20	44	
448	<20	<20	88		498	<20	<20	36	
449	<20	<20	75		499	22	64	63	
450	<20	<20	52		500	42	<20	80	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
501	35	<20	<20		551	<20	<20	23	
502	30	<20	82		552	<20	<20	21	
503	73	<20	<20		553	<20	<20	23	
504	135	391	116		554	<20	<20	<20	
505	42	<20	128		555	<20	<20	<20	
506	73	108	119	Di	556	28	<20	31	
507	22	<20	77		557	<20	<20	<20	
508	104	<20	38	Go	558	<20	<20	48	
509	42	<20	27		559	<20	<20	39	
510	67	48	46	Go	560	<20	<20	23	
511	168	<20	31		561	<20	<20	92	
512	60	<20	30	Di	562	<20	<20	<20	
513	54	<20	<20		563	<20	<20	<20	
514	48	40	33		564	<20	<20	23	
515	56	<20	<20		565	<20	<20	<20	
516	<20	<20	60		566	<20	<20	<20	
517	22	<20	72		567	<20	<20	60	
518	<20	<20	<20		568	<20	<20	96	
519	<20	<20	<20		569	<20	<20	72	
520	235	21	66	Go	570	<20	<20	39	
521	29	25	20		571	<20	<20	39	
522	29	89	127		572	<20	<20	22	
523	29	32	46		573	35	<20	21	
524	<20	<20	57		574	28	<20	76	
525	122	474	20		575	<20	<20	33	
526	129	131	340		576	<20	<20	101	
527	39	26	147		577	<20	<20	<20	
528	<20	59	<20		578	<20	<20	<20	
529	48	<20	30		579	<20	<20	27	
530	<20	<20	54		580	65	<20	39	
531	48	<20	<20		581	<20	<20	<20	
532	32	44	72		582	26	<20	<20	
533	<20	<20	<20		583	<20	<20	<20	
534	29	<20	46		584	<20	<20	56	
535	<20	<20	89		585	42	<20	<20	
536	35	<20	<20		586	<20	<20	60	
537	29	388	37		587	<20	<20	87	
538	<20	<20	75		588	<20	<20	<20	
539	<20	<20	92		589	<20	<20	36	
540	<20	<20	<20		590	<20	<20	44	
541	<20	<20	<20		591	<20	<20	23	
542	<20	<20	98		592	<20	<20	36	
543	22	<20	22		593	26	20	45	
544	<20	<20	<20		594	30	<20	<20	
545	<20	<20	<20		595	<20	<20	62	
546	149	1489	<20		596	22	<20	38	
547	<20	<20	27		597	<20	<20	<20	
548	<20	<20	<20		598	<20	<20	<20	
549	<20	<20	<20		599	<20	<20	162	
550	<20	<20	<20		600	<20	<20	<20	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
601	NA								
602	<20	<20	38						
603	<20	<20	56						
604	<20	<20	29						
605	<20	<20	25						
606	<20	<20	<20						
607	<20	<20	29						
608	<20	<20	<20						
609	<20	<20	22						
610	<20	<20	39						
611	<20	<20	<20						

Symbol Key

Diase (dyke)

Go gossan

Po ntamination

Py pyrite

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
1	529	1531	<20	Po	51	2296	93	21	Py
2	89	237	173	Po	52	434	1281	67	
3	169	308	86		53	45	76	122	
4	76	203	90		54	463	1924	36	Py
5	54	120	125	Po	55	180	<20	37	Go
6	48	119	67		56	73	203	28	
7	104	365	72	Po	57	109	386	<20	Di
7A	85	515	86	Po	58	58	101	40	
8	79	287	74	Po	59	48	91	159	
9	49	259	31	Po	60	NA			
10	85	265	82		61	<20	<20	49	
11	113	251	48	Go	62	48	<20	174	Di
12	73	309	24	Po	63	36	<20	60	
13	48	36	52	Po	64	30	204	56	
14	48	52	<20	Po	65	39	330	37	
15	85	153	75		66	<20	<20	<20	
16	92	265	77	Po	67	NA			
17	54	297	49	Po	68	<20	<20	<20	
18	95	135	82		69	38	<20	88	
19	48	56	37		70	<20	320	31	
20	79	621	<20	Po	71	73	162	28	
21	104	731	24	Po	72	NA			
22	110	391	38	Po	73	39	76	<20	Go
23	42	<20	82	Po	74	<20	<20	116	
24	185	<20	46	Po	75	21	<20	<20	
25	73	686	<20	Po	76	27	423	32	Go
26	42	91	20	Po	77	<20	<20	68	
27	94	713	102		78	36	164	36	
28	135	876	<20	Po	79	30	299	<20	Go
29	73	394	66	Po	80	28	<20	<20	
30	123	1074	41	Po	81	47	<20	<20	
31	35	1102	<20	Po	82	<20	<20	72	
32	110	539	153	Po	83	21	70	32	
33	98	291	<20	Po	84	<20	<20	23	
34	73	364	<20	Po	85	<20	<20	<20	
35	273	1265	<20	Po	86	331	347	81	Go
36	54	71	35	Po	87	63	196	<20	
37	385	1428	<20	Po	88	11500	<20	48	Py
38	109	1121	<20	Fy	89	<20	<20	<20	
39	48	90	82	Po	90	28	<20	60	
40	1030	1567	<20	Go	91	38	37	<20	
41	104	381	<20		92	63	<20	55	
42	54	197	119	Go	93	<20	<20	72	
43	327	223	<20	Fy	94	112	<20	41	
44	279	894	<20	Si	95	<20	<20	22	
45	587	177	<20	Go	96	<20	<20	<20	
46	1459	1404	<20		97	32	<20	97	
47	279	201	<20	Py	98	<20	<20	22	
48	110	641	46		99	<20	<20	63	
49	85	660	<20	Py	100	<20	<20	<20	
50	48	621	40						

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
101	26	<20	33	Go	151	40	198	253	Di
102	<20	<20	<20		152	45	<20	40	
103	26	<20	45		153	63	75	113	Di
104	<20	<20	<20		154	58	266	453	
105	<20	<20	<20		155	21	<20	37	
106	<20	<20	<20		156	81	<20	<20	
107	77	<20	<20		157	45	<20	33	
108	<20	<20	<20		158	55	<20	<20	
109	<20	<20	<20		159	189	<20	<20	
110	<20	<20	31		160	39	<20	52	
111	<20	<20	190	Py	161	155	266	92	Go
112	<20	<20	<20		162	216	122	33	
113	30	37	40		163	540	<20	60	Py
114	48	122	78		164	21	<20	32	
115	48	49	<20		165	171	<20	<20	
116	57	126	40		166	127	76	48	
117	104	130	163		167	21	<20	25	
118	132	222	29		168	<20	38	136	
119	206	260	77		169	270	37	121	
120	94	178	21		170	256	<20	47	Go
121	76	172	<20	Go	171	109	<20	<20	
122	1624	1227	86		172	189	<20	<20	Di
123	57	73	<20		173	63	<20	34	
124	113	140	37		174	47	46	<20	
125	<20	<20	<20		175	916	<20	<20	
126	188	485	63		176	45	<20	<20	
127	113	383	67		177	172	112	74	
128	67	119	<20		178	<20	<20	<20	
129	216	548	75		179	46	<20	<20	Go
130	95	262	48		180	24	<20	<20	
131	141	387	56	Go	181	1785	<20	247	Go
132	86	211	163		182	48	26	71	
133	140	302	102		183	85	334	67	
134	115	<20	21		184	57	72	44	
135	176	739	87		185	85	206	81	
136	771	846	<20		186	123	118	29	
137	7163	864	88		187	148	490	60	
138	182	1758	36		188	123	532	112	
139	30	<20	<20		189	54	316	137	
140	94	946	75	Py	190	132	735	148	Di
141	40	<20	38		191	253	581	<20	
142	27	158	419		192	55	292	177	
143	273	1697	<20		193	63	243	110	
144	73	206	321		194	63	189	177	
145	81	1477	<20		195	271	709	52	
146	182	353	66		196	825	1882	29	
147	117	75	32		197	30	68	60	
148	64	227	358		198	32	26	169	
149	39	97	<20	Di	199	70	160	62	
150	63	82	60		200	39	75	106	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
201	32	26	34		251	30	<20	51	
202	54	29	72		252	<20	<20	141	
203	<20	<20	44		253	85	<20	31	
204	77	<20	44		254	90	<20	160	
205	54	43	144		255	81	<20	141	
206	62	63	59		256	91	126	128	
207	32	<20	85		257	30	<20	31	
208	68	96	97		258	<20	<20	49	
209	77	591	91		259	54	33	147	
210	333	1538	29		260	153	857	25	
211	225	1568	41	Di	261	64	<20	<20	
212	217	947	44		262	<20	<20	<20	
213	53	87	345		263	58	526	<20	Go
214	845	1762	43		264	71	<20	52	Go
215	681	1871	<20	Py	265	<20	<20	<20	
216	500	1734	47	Go	266	252	<20	<20	Go
217	54	291	150		267	333	<20	31	Go
218	48	<20	37		268	28	<20	<20	
219	2109	299	<20	Di	269	<20	33	90	
220	781	1821	<20		270	30	<20	67	
221	196	1035	33		271	<20	<20	<20	
222	96	569	82		272	225	<20	48	
223	173	1105	<20		273	<20	<20	24	
224	81	<20	<20		274	28	<20	63	
225	7936	2545	80		275	<20	<20	<20	
226	1377	1503	<20	Go	276	<20	<20	34	
227	1266	2443	451		277	1257	<20	<20	
228	48	<20	44		278	73	<20	21	
229	109	807	<20		279	54	44	<20	Di
230	76	162	34		280	<20	<20	<20	
231	200	1160	39		281	378	<20	<20	
232	177	1027	<20		282	<20	<20	<20	
233	12154	1182	<20	Si	283	<20	26	67	Di
234	48	<20	172		284	<20	<20	<20	
235	30	<20	44		285	657	<20	<20	
236	30	57	61		286	113	<20	<20	
237	76	100	140		287	<20	<20	<20	
238	58	<20	<20		288	<20	<20	56	Di
239	<20	<20	137		289	<20	<20	<20	
240	<20	39	156		290	100	276	222	
241	55	<20	216		291	<20	<20	<20	
242	64	<20	77		292	333	790	136	
243	73	<20	<20		293	30	<20	21	
244	73	32	100		294	47	110	116	
245	21	<20	21		295	39	39	63	
246	55	<20	62		296	21	<20	60	
247	21	63	203	Go	297	324	326	121	Go
248	81	<20	<20		298	21	86	<20	
249	<20	<20	34		299	278	318	125	
250	58	<20	67		300				

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
301	30	67	79		351	<20	53	39	
302	55	265	35	Di	352	39	<20	65	
303	9272	953	<20	Py	353	<20	<20	23	
304	48	113	40	Si	354	48	<20	<20	
305	67	117	<20	Go	355	30	<20	<20	
306	287	1133	<20	Py	356	<20	<20	34	
307	977	53	<20	Py	357	<20	<20	23	
308	315	<20	<20	Go	358	<20	<20	36	
309	315	<20	25	Py	359	<20	<20	23	
310	407	<20	<20	Py	360	39	42	103	
311	39	28	<20		361	39	<20	<20	
312	379	112	21	Py	362	<20	<20	<20	
313	306	<20	<20	Go	363	30	<20	<20	
314	<20	<20	37		364	39	<20	<20	
315	<20	<20	<20		365	39	<20	<20	
316	30	<20	<20		366	21	<20	22	
317	287	1446	<20	Go	367	30	<20	<20	
318	30	<20	75		368	<20	<20	46	
319	30	95	63		369	39	<20	<20	
320	<20	<20	<20		370	<20	<20	65	
321	32	59	79	Di	371	30	202	95	
322	85	69	25	Go	372	67	<20	43	
323	48	68	102	Go	373	30	127	26	
324	76	82	21	Py	374	<20	<20	<20	
325	20	<20	21		375	50	<20	76	
326	343	<20	<20	Go	376	40	<20	34	Go
327	32	<20	32		377	40	41	533	
328	30	54	44		378	<20	<20	32	
329	57	46	52		379	100	<20	<20	
330	24	<20	38	Di	380	228	334	<20	Go
331	20	69	48		381	<20	<20	53	
332	251	<20	<20	Go	382	<20	<20	61	
333	40	59	154		383	<20	<20	80	
334	40	<20	88		384	21	<20	57	
335	32	<20	104		385	21	<20	<20	
336	24	28	60		386	<20	<20	80	
337	24	<20	57		387	21	<20	49	
338	40	<20	51		388	80	<20	<20	
339	1202	2270	<20		389	21	<20	129	
340	46	<20	41		390	198	<20	53	
341	48	93	89		391	<20	<20	30	
342	20	<20	34		392	80	<20	<20	
343	38	55	56		393	<20	<20	<20	
344	94	260	167		394	<20	<20	40	
345	38	<20	26		395	<20	71	308	
346	32	<20	63		396	<20	<20	26	
347	<20	<20	42		397	27	<20	126	
348	39	<20	38		398				
349	112	<20	<20		399	<20	<20	26	
350	<20	22	28		400	<20	22	55	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
401	<20	<20	55		451	<20	22	76	
402	<20	<20	141		452	20	61	147	
403	<20	56	111		453	<20	41	85	
404	20	83	227	Di	454	35	135	150	
405	<20	<20	81		455	20	49	147	
406	<20	53	92		456	35	23	102	
407	39	<20	136		457	<20	58	126	
408	48	108	136		458	29	69	74	
409	1156	77	38	Py	459	57	<20	39	
410	40	85	90		460	38	125	47	
411	63	141	52		461	<20	33	62	
412	24	812	47		462	185	95	151	
413	55	193	41	Di	463	54	47	66	
414	171	137	66	Py	464	40	<20	50	
415	117	91	79	Py	465	32	<20	50	
416	40	<20	22		466	29	138	208	
417	32	103	177		467	38	45	59	
418	117	625	210		468	38	<20	36	
419	101	<20	57		469	<20	<20	<20	
420	40	93	185		470	67	120	62	
421	40	59	57	Di	471	105	174	109	
422	163	52	91		472	47	<20	69	
423	86	<20	<20	Py	473	<20	22	51	
424	685	454	<20		474	20	<20	<20	
425	201	71	105	Go	475	20	<20	<20	
425A	1133	32	<20	Py	476	112	39	48	
426	<20	<20	67		477	63	34	77	
427	24	34	87	Di	478	50	<20	80	
428	73	87	82		479	30	<20	26	
429	24	38	50		480	29	<20	24	
430	39	337	84	Di	481	30	<20	<20	
431	287	100	120		482	<20	<20	53	
432	55	40	69		483	48	120	70	
433	100	153	122	Di	484	20	<20	53	
434	171	201	194		485	67	<20	39	
435	<20	<20	26		486	29	49	53	
436	92	<20	<20	Go	487	<20	<20	144	
437	34	54	94		488	<20	<20	<20	
438	32	59	66		489	140	644	49	
439	109	268	76		490	39	280	375	Go
440	32	39	50		491	30	29	91	
441	<20	<20	55		492	20	27	91	
442	39	94	137		493	<20	<20	40	
443	32	<20	75		494	21	<20	117	
444	32	91	82		495	30	<20	168	
445	39	100	168		496	21	<20	45	
446	<20	<20	70		497	<20	<20	51	
447	<20	41	99	Di	498	<20	<20	94	
448	47	135	153		499	21	<20	<20	
449	153	26	90		500	<20	<20	86	
450	<20	51	117						

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
501	<20	<20	71		551	24	<20	25	
502	30	101	184		552	<20	24	66	
503	21	<20	79		553	<20	<20	38	
504	21	33	56		554	24	40	32	
505	76	49	265		555	55	134	82	
506	<20	<20	59		556	71	<20	48	
507	254	79	77		557	38	62	62	
508	<20	<20	40		558	24	72	35	
509	30	40	118		559	<20	42	96	
510	<20	<20	43		560	128	35	52	
511	<20	35	172		561	54	<20	30	
512	20	<20	35		562	63	<20	41	
513	109	96	148		562A	20	63	111	
514	27	36	148		563	35	170	135	
515	27	25	137		564	20	135	152	
516	<20	39	111		565	<20	<20	32	
517	64	<20	70		566	20	<20	67	
518	<20	72	122		567	<20	<20	82	Di
519	<20	<20	160		568	<20	41	73	
520	27	149	299		569	<20	<20	73	
521	<20	64	201		570	<20	32	111	
522	<20	132	291		571	38	141	104	
523	171	202	647		572	<20	24	58	
524	<20	143	235		573	29	42	74	
525	<20	<20	54		574	57	26	74	
526	20	149	220		575	48	<20	28	
527	<20	<20	43		576	24	<20	24	
528	<20	81	255		577	46	103	148	
529	<20	65	156		578	61	42	79	
530	<20	126	412		579	24	<20	51	
531	<20	<20	111	Di	580	43	25	74	
532	<20	<20	62		581	38	171	98	
533	73	32	73		582	<20	<20	36	
534	21	41	105		583	43	<20	58	
535	<20	40	103		584	<20	<20	58	
536	64	<20	32		585	43	<20	39	Di
537	21	81	121		586	38	25	36	
538	<20	72	261		587	105	147	105	
539	<20	<20	179		588	24	<20	58	
540	36	32	<20		589	<20	<20	63	
541	<20	<20	182	Di	590	61	35	112	
542	<20	<20	227		591	86	115	74	
543	<20	53	122		592	20	44	58	
544	82	<20	<20		593	63	26	98	
545	21	44	114		594	52	48	89	
546	<20	<20	74		595	33	49	74	
547	32	<20	22		596	21	<20	91	
548	40	86	94		597	32	26	50	
549	32	<20	54		598	21	56	118	
550	24	<20	35	Di	599	43	<20	55	
					600	789	48	52	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
601	24	30	123		651	NA			
602	30	<20	64		652	21	<20	29	
603	70	<20	<20		653	30	<20	33	
604	20	37	86		654	21	<20	52	
605	48	<20	66		655	<20	<20	28	
606	<20	<20	41		656	29	<20	66	
607	43	46	74		657	30	<20	94	
608	48	64	82		658	<20	<20	60	
609	<20	<20	45		659	40	55	132	
610	29	<20	51		660	<20	<20	32	
611	48	39	109		661	55	26	129	
612	21	67	91		662	<20	<20	60	
613	30	40	72		663	33	25	36	
614	<20	47	84		664	324	198	66	
615	30	<20	61		665	32	64	154	
616	21	<20	30		666	88	121	39	
617	54	71	117		667	33	<20	55	
618	45	<20	67		668	43	36	39	
619	54	56	90		669	52	<20	93	
620	629	51	124	Py	670	40	59	154	
621	40	109	34	Go	671	142	135	109	
622	64	<20	113	Go	672	33	<20	62	
623	342	<20	63	Py	673	61	38	82	
624	220	1199	227		674	43	77	62	
625	<20	51	90		675	52	46	32	
626	324	325	<20	Py	676	70	67	74	
627	<20	52	148		677	20	39	<20	
628	<20	<20	37		678	24	<20	55	
629	<20	69	67		679	151	<20	93	
630	278	38	63		680	24	<20	39	
631	21	53	109		681	142	<20	32	
632	<20	22	67		682	52	<20	43	
633	30	82	98		683	33	<20	36	
634	21	<20	36		683A	33	97	89	
635	21	98	28		684	140	22	123	Go
636	<20	57	86		685	43	<20	59	
637	<20	<20	40		686	24	<20	74	
638	<20	<20	<20		686A	79	60	82	
639	<20	22	102		687	33	<20	47	
640	145	123	137		688	33	109	162	
641	76	144	106		689	24	<20	101	
642	<20	66	121		690	63	39	98	
643	<20	<20	29		691	52	23	32	
644	45	116	186		692	24	52	110	
645	<20	35	98		693	40	77	107	
646	<20	51	98		694	71	253	328	
647	30	52	284		695	24	54	78	
648	30	<20	59		696	32	<20	47	
649	<20	39	75		697	48	78	102	
650	21	<20	49		698	88	<20	32	
					699	39	88	71	
					700	85	37	132	

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No.	Pb	Zn	Cu	Symbol	No.	Pb	Zn	Cu	Symbol
701	79	28	74						
702	61	135	181						
703	67	<20	<20						
704	67	50	144						
705	76	<20	<20						
706	57	<20	44						
707	57	<20	67	Di					

Symbol Key

Diase (dyke)
Go gossan
Po itamination
Py pyrite

Appendix F

Water Quality Listing for select parameters from 1996 to 2001 for locations 159-4, NML-23, 159-6, 159-15, 159-17, NML-12 and NML-13

and

Water Quality Listing for total zinc from 1974 to 2001 for location 159-6



Nanisivik Mine Surface Water Quality, SNP 159-4, 1996 to 2001

Location	Station	Date	Temp	pH	Cond	TSS	Total Cd	Total Pb	Total Zn	Dis Cd	Dis Pb	Dis Zn
WTDA Effluent	159-4	19-Aug-96	10.6	7.10	1346	8.2	<0.001	0.004	0.147			
WTDA Effluent	159-4	20-Aug-96	12.9	7.34	1716	2.2	<0.001	0.013	0.112			
WTDA Effluent	159-4	21-Aug-96	1.6	7.03	1803	2.0	<0.001	0.013	0.121			
WTDA Effluent	159-4	12-Jun-98	2.8	8.01	240	5.0	<0.001	0.001	0.165			
WTDA Effluent	159-4	13-Jun-98	1.7	8.00	300	0.8	<0.001	<0.001	0.043			
WTDA Effluent	159-4	29-Jun-98					<0.001	0.011	0.050			
WTDA Effluent	159-4	02-Jul-98	9.2	7.39	1620	10.8	<0.001	<0.001	0.128			
WTDA Effluent	159-4	03-Jul-98	8.0	7.25	1550	9.2	<0.001	<0.001	0.122			
WTDA Effluent	159-4	04-Jul-98	15.3	7.11	1600		<0.001	<0.001	0.056			
WTDA Effluent	159-4	06-Jul-98	11.3	7.71	1680	17.4	<0.001	0.003	0.097			
WTDA Effluent	159-4	07-Jul-98	2.1	7.35	1610	8.2	<0.001	0.003	0.028			
WTDA Effluent	159-4	08-Jul-98		5.05	1710	10.4	<0.001	<0.001	0.063			
WTDA Effluent	159-4	09-Jul-98	9.4	7.16	1750	23.6	<0.001	0.004				
WTDA Effluent	159-4	10-Jul-98	3.1	7.10	1920	4.4	<0.001	0.009	0.028			
WTDA Effluent	159-4	13-Jul-98	3.7	6.17	1850	6.6	<0.001	0.003	0.093			
WTDA Effluent	159-4	16-Jul-98	6.0	6.35	1820	10.2	<0.001	<0.001	0.083			
WTDA Effluent	159-4	17-Jul-98	9.7	6.91	1850		<0.001	<0.001	0.082			
WTDA Effluent	159-4	18-Jul-98	11.4	7.11	1930	23.2	<0.001	0.003	0.076			
WTDA Effluent	159-4	17-Sep-98	2.3	6.45	2340		<0.001	0.002	0.113			
WTDA Effluent	159-4	18-Sep-98	2.4	6.78	2370		<0.001	0.004	0.113			
WTDA Effluent	159-4	19-Sep-98	1.6	6.81	2470		<0.001	0.003	0.076			
WTDA Effluent	159-4	24-Sep-98	0.2		2580			0.003	0.101			
WTDA Effluent	159-4	25-Sep-98	0.2		2610		<0.001	0.003	0.164			
WTDA Effluent	159-4	22-Jul-99	5.8	7.05	1650	2.6	<0.001	0.007	0.086			
WTDA Effluent	159-4	28-Jul-99	9.9	7.63	310	2.6	<0.001	0.003	0.176			
WTDA Effluent	159-4	22-Jun-00	9.6	7.42	400	2.4	<0.001	0.004	0.072			
WTDA Effluent	159-4	23-Jun-00	10.8	7.92	519	1.6	<0.001	0.005	0.059			0.084
WTDA Effluent	159-4	24-Jun-00	10.8	7.95	579	2.8	<0.001	0.005	0.116			0.084
WTDA Effluent	159-4	25-Jun-00	9.0	7.35	619	2.4	<0.001	0.002	0.135			0.052
WTDA Effluent	159-4	26-Jun-00	12.6	6.96	494	4.6	<0.001	0.006	0.078			0.063
WTDA Effluent	159-4	27-Jun-00	12.8	7.48	705	1.4	<0.001	0.003	0.076			0.071
WTDA Effluent	159-4	28-Jun-00	4.9	7.34	739	0.4	<0.001	0.003	0.187			
WTDA Effluent	159-4	29-Jun-00	12.0	7.46	804	1.2	<0.001	0.003	0.104			0.059
WTDA Effluent	159-4	30-Jun-00	13.7	7.36	915	3.8	<0.001	0.004	0.070			
WTDA Effluent	159-4	01-Jul-00	11.8	7.38	957	2.6	<0.001	0.004	0.070			0.045
WTDA Effluent	159-4	02-Jul-00	11.0	7.96	993	4.4	<0.001	0.004	0.073			0.037
WTDA Effluent	159-4	03-Jul-00	10.0	7.59	953	6.0	<0.001	0.013	0.049			0.046
WTDA Effluent	159-4	04-Jul-00	7.4	9.50	1130	3.2	<0.001	0.002	0.063			
WTDA Effluent	159-4	05-Jul-00	9.2	8.41	1264	3.8	<0.001	0.003	0.036			
WTDA Effluent	159-4	06-Jul-00	10.7	8.55	1265	2.8	<0.001	0.002	0.064			
WTDA Effluent	159-4	07-Jul-00	12.3	8.45	1290	4.4	<0.001	0.003	0.072			0.052
WTDA Effluent	159-4	08-Jul-00	12.6	8.11	1362	9.8	<0.001	0.002	0.048			0.059
WTDA Effluent	159-4	09-Jul-00	9.1	8.29	1403	8.8	<0.001	0.002	0.055			0.052
WTDA Effluent	159-4	10-Jul-00	8.0	8.00	1491	3.4	<0.001	0.002	0.052			
WTDA Effluent	159-4	11-Jul-00	7.2	7.44	1563	1.2	<0.001	0.004	0.077			0.029
WTDA Effluent	159-4	12-Jul-00	6.3	7.17	1630	8.8	<0.001	0.007	0.078			0.077
WTDA Effluent	159-4	13-Jul-00	3.5	8.51	1701	3.4	<0.001	0.003	0.100			0.079
WTDA Effluent	159-4	14-Jul-00	5.9	6.86	1616	1.4	<0.001	0.003	0.049			
WTDA Effluent	159-4	15-Jul-00	4.0	7.15	1760	10.0	<0.001	0.002	0.020			
WTDA Effluent	159-4	20-Jul-00	10.4	7.63	1762	11.2	<0.001	0.016	0.205			
WTDA Effluent	159-4	21-Jul-00	10.5	7.71	1755	3.0	<0.001	0.005	0.203			
WTDA Effluent	159-4	22-Jul-00	9.3	7.65	1797	7.4	<0.001	0.005	0.080			
WTDA Effluent	159-4	23-Jul-00	11.0	7.28	1873	11.6	<0.001	0.006	0.058			
WTDA Effluent	159-4	24-Jul-00	14.8	6.96	1910	16.0	<0.001	0.011	0.067			
WTDA Effluent	159-4	03-Aug-00	12.5	6.91	1994	5.0	<0.001	0.008	0.071			
WTDA Effluent	159-4	04-Aug-00	10.6	6.65	2170	5.4	<0.001	0.008	0.121			
WTDA Effluent	159-4	05-Aug-00				1.4	<0.001	0.009	0.067			
WTDA Effluent	159-4	22-Aug-00	6.5	7.69	2360	5.2	<0.001	0.007	0.056			
WTDA Effluent	159-4	23-Aug-00	6.1	7.71	2400	9.0	<0.001	0.006	0.034			
WTDA Effluent	159-4	24-Aug-00	6.2	7.64	2450	9.6	<0.001	0.007	0.055			
WTDA Effluent	159-4	25-Aug-00	5.7	7.60	2820	6.8	<0.001	0.008	0.054			
WTDA Effluent	159-4	01-Aug-01	13.8	7.49	1555	0.2	0.003	0.049	0.006			
WTDA Effluent	159-4	02-Aug-01	13.9	7.50	1476		0.005	0.081	0.000			
WTDA Effluent	159-4	03-Aug-01	14.9	6.87	1442		0.012	0.181	0.020			
WTDA Effluent	159-4	03-Jul-01	7.8	8.02	1573	1.7	0.005	0.041	0.024			
WTDA Effluent	159-4	03-Sep-01	7.0	7.93	1119		0.003	0.088	0.042			
WTDA Effluent	159-4	04-Jul-01	4.3	8.26	1483		0.004	0.077	0.021			
WTDA Effluent	159-4	04-Sep-01	5.0	7.76	1221		0.002	0.078	0.039			
WTDA Effluent	159-4	05-Jul-01	5.6	8.13	1476		0.003	0.046	0.057			
WTDA Effluent	159-4	05-Sep-01	6.4	8.13	1270		0.007	0.095	0.041			
WTDA Effluent	159-4	06-Jul-01	7.9	7.75	1499		0.003	0.064	0.046			

Nanisivik Mine Surace Water Quality, SNP 159-4, 1996 to 2001

Location	Station	Date	Temp	pH	Conc	TSS	Total Cd	Total Pb	Total Zn	Dis Cd	Dis Pb	Dis Zn
WTDA Effluent	159-4	06-Sep-01	5.4	7.66	1225		0.009	0.117	0.087			
WTDA Effluent	159-4	07-Jul-01	9.5	7.77	1454	0.0	0.005	0.060	0.022			
WTDA Effluent	159-4	07-Sep-01	4.8	8.47	846		0.004	0.097	0.042			
WTDA Effluent	159-4	08-Sep-01	5.5	7.52	665		0.005	0.098	0.040			
WTDA Effluent	159-4	09-Sep-01	3.8	7.46	616		0.006	0.087	0.036			
WTDA Effluent	159-4	10-Jul-01	13.2	7.65	1584		0.005	0.106	0.079			
WTDA Effluent	159-4	10-Sep-01	2.0	7.54	563		0.008	0.123	0.072			
WTDA Effluent	159-4	11-Jul-01	12.0	7.78	1502		0.003	0.044	0.007			
WTDA Effluent	159-4	11-Sep-01										
WTDA Effluent	159-4	12-Jul-01	10.7	8.05	1423	1.0	0.004	0.080	0.000			
WTDA Effluent	159-4	12-Sep-01	1.2	7.53	506	0.4	0.006	0.108	0.040			
WTDA Effluent	159-4	13-Jul-01	8.4	7.74	1380		0.003	0.105	0.000			
WTDA Effluent	159-4	13-Sep-01	2.0	7.61	598		0.005	0.064	0.027			
WTDA Effluent	159-4	14-Jul-01	8.0	7.84	1414	2.5	0.003	0.057	0.025			
WTDA Effluent	159-4	15-Jul-01	8.3	7.67	1478	7.2	0.002	0.091	0.033			
WTDA Effluent	159-4	15-Sep-01	2.0	7.58	549		0.078	0.116	0.006			
WTDA Effluent	159-4	16-Jul-01	6.8	7.76	1552		0.005	0.056	0.012			
WTDA Effluent	159-4	17-Jul-01	7.1	8.17	1669		0.003	0.165	0.001			
WTDA Effluent	159-4	18-Jul-01	8.3	8.38	1695		0.005	0.175	0.003			
WTDA Effluent	159-4	19-Jul-01	9.9	8.65	1741	0.7	0.002	0.079	0.033			
WTDA Effluent	159-4	20-Jul-01	9.9	8.53	1796	1.2						
WTDA Effluent	159-4	20-Jun-01	0.5	8.95	352		0.004	0.009	0.042			
WTDA Effluent	159-4	21-Jul-01	9.0	8.25	1990	1.2	0.006	0.061	0.040			
WTDA Effluent	159-4	21-Jun-01	2.3	8.04	585		0.003	0.034	0.016			
WTDA Effluent	159-4	22-Aug-01	4.1	7.80	1130	2.6	0.007	0.072	0.017			
WTDA Effluent	159-4	22-Jul-01	14.0	8.20	1840	13.0	0.007	0.089	0.082			
WTDA Effluent	159-4	22-Jun-01	0.1	9.06	884	0.0	0.004	0.035	0.007			
WTDA Effluent	159-4	23-Aug-01	2.8	7.72	1250	2.4	0.008	0.099	0.051			
WTDA Effluent	159-4	23-Jul-01	11.2	8.33	1856	1.2	0.007	0.096	0.045			
WTDA Effluent	159-4	23-Jun-01	0.1	9.40	1247	1.2	0.004	0.035	0.010			
WTDA Effluent	159-4	24-Aug-01	5.4	7.57	1215	3.4	0.007	0.096	0.037			
WTDA Effluent	159-4	24-Jul-01	10.8	8.30	1911		0.006	0.088	0.029			
WTDA Effluent	159-4	24-Jun-01	2.0	9.00	1310	0.0	0.005	0.097	0.024			
WTDA Effluent	159-4	25-Aug-01	4.0	7.54	1286	2.2	0.008	0.096	0.119			
WTDA Effluent	159-4	25-Jul-01	11.2	7.98	1882	0.4	0.007	0.129	0.071			
WTDA Effluent	159-4	25-Jun-01	0.5	8.75	1422		0.004	0.044	0.019			
WTDA Effluent	159-4	26-Jul-01	12.6	7.55	1864	0.6	0.007	0.073	0.005			
WTDA Effluent	159-4	26-Jun-01	0.1	8.29	1480		0.003	0.042	0.095			
WTDA Effluent	159-4	27-Jul-01	17.5	7.74	1737		0.006	0.107	0.003			
WTDA Effluent	159-4	27-Jun-01	1.6	8.14	1571		0.004	0.043	0.022			
WTDA Effluent	159-4	28-Jul-01	15.0	7.53	1717	0.6	0.005	0.094	0.001			
WTDA Effluent	159-4	28-Jun-01	2.8	8.40	1469		0.003	0.106	0.018			
WTDA Effluent	159-4	29-Jul-01	11.2	7.62	1625	9.0	0.008	0.073	0.023			
WTDA Effluent	159-4	29-Jun-01	2.3	8.52	1478	0.2	0.005	0.052	0.024	0.005	0.050	0.013
WTDA Effluent	159-4	30-Jul-01	13.0	7.50	1582	1.4	0.006	0.073	0.000			
WTDA Effluent	159-4	30-Jun-01	3.4	8.23	1403	1.2	0.004	0.048	0.052	0.004	0.000	0.023
WTDA Effluent	159-4	31-Jul-01	13.5	7.55	1580	1.6	0.005	0.079	0.137			
average			7.6	7.70	1444	4.9	0.006	0.044	0.061	-	-	-
max			17.5	9.50	2820	23.6	0.078	0.181	0.205	-	-	-
min			0.1	5.05	240	0.0	0.002	0.001	0.000	-	-	-

Nanisivik Mine Surface Water Quality, NML-23, 1996 to 2001

Location	Station	Date	Temp	pH	Cond	TSS	Total Cd	Total Pb	Total Zn	Dis Cd	Dis Pb	Dis Zn
East Lk	NML 23	22-May-96		7.20	78		<0.001	0.001	<0.001			
East Lk	NML 23	13-Jun-96		7.53	78	1.0	<0.001	<0.001	0.045			
East Lk	NML 23	17-Jul-96	2.8	7.55	26	1.6	<0.001	0.034	0.018			
East Lk	NML 23	08-Aug-96	2.3	7.45	53	0.0	<0.001	0.016	0.031			
East Lk	NML 23	20-Jan-98	2.4	8.10	30							
East Lk	NML 23	27-Feb-98	10.3	10.55	520		0.014	0.623	0.679			
East Lk	NML 23	24-Mar-98	3.7	7.67	130		<0.001	0.056	0.107			
East Lk	NML 23	16-Apr-98	11.5	10.07	300		<0.001	<0.001	0.134			
East Lk	NML 23	25-May-98	1.5	8.57	180				0.294			
East Lk	NML 23	18-Jun-98	7.3	8.56	320	4.0	<0.001	<0.001	0.060			
East Lk	NML 23	08-Jul-98		8.23	80	2.0	<0.001	0.007	0.005			
East Lk	NML 23	17-Jul-98		6.40	70		<0.001	<0.001	0.006			
East Lk	NML 23	25-Aug-98		2.48	1700		<0.001	<0.001	0.070			
East Lk	NML 23	17-Nov-98		7.00	160		<0.001	<0.001	<0.001			
East Lk	NML 23	14-Dec-98		7.00	160		<0.001	<0.001	<0.001			
East Lk	NML 23	21-Jan-99		8.44	5820							
East Lk	NML 23	17-Feb-99	2.0	8.01	200		<0.001	<0.001	0.046			
East Lk	NML 23	23-Mar-99	0.6	6.73	530				0.018			
East Lk	NML 23	29-Apr-99	2.0	6.15	180				0.099			
East Lk	NML 23	21-Feb-00	3.6	7.45	170							
East Lk	NML 23	15-Mar-00	1.5	6.71	45		<0.001	0.005	0.015			
East Lk	NML 23	12-Apr-00	2.0	6.50	190		0.002	0.008	0.031			
East Lk	NML 23	15-Jun-00	3.8	7.34	217	2.4	<0.001	<0.001	0.045			
East Lk	NML 23	21-Jun-00	2.7	7.06	55	0.4	<0.001	<0.001	0.045			
East Lk	NML 23	28-Jun-00	6.5	7.07	54	3.6	<0.001	<0.001	0.217			
East Lk	NML 23	19-Jul-00	6.9	6.79	28	11.8	<0.001	0.001	0.077			
East Lk	NML 23	19-Jul-00					<0.001	<0.001				
East Lk	NML 23	21-Jul-00	7.7	8.34	333	10.4	<0.001	0.001	0.153			
East Lk	NML 23	13-Sep-00	2.1	6.80	140	5.0	<0.001	<0.001	0.188			
East Lk	NML 23	11-Oct-00	1.8	6.90	110	2.4		<0.001	<0.001			
East Lk	NML 23	28-Nov-00	1.5	8.03	130	2.6	0.006		0.022			
East Lk	NML 23	13-Dec-00	0.1	7.13	160	180.8	<0.001	<0.001	<0.001			
East Lk	NML 23	07-Dec-01	1.9	8.83	176	0.4	0.002	0.006	0.011	0.000	0.001	0.000
East Lk	NML 23	07-Jun-01	1.4	9.61	186		0.000	0.016	0.000			
East Lk	NML 23	08-May-01	2.2	8.10	125			0.000	0.044			
East Lk	NML 23	09-Jul-01	8.2	8.38	21	1.8	0.000	0.000	0.013			
East Lk	NML 23	12-Sep-01	5.3	8.02	90	0.2	0.000	0.048	0.003			
East Lk	NML 23	13-Aug-01	11.4	9.18	122	5.2			0.002			
East Lk	NML 23	17-Jan-01	4.6	7.60	130		0.000	0.003	0.032			
East Lk	NML 23	20-Apr-01		7.00	210		0.011		0.032			
East Lk	NML 23	21-Mar-01	1.2	7.24	140	1.0	0.005	0.051	0.019			
East Lk	NML 23	25-Jul-01	15.0	7.62	75	22.2	0.620		0.057	0.200	3.270	
East Lk	NML 23	26-Nov-01	1.1	7.01	179		0.000	0.004	0.000	0.000	0.000	0.000
East Lk	NML 23	28-Feb-01	0.9	8.44	250	0.6	0.000	0.133	0.065			
East Lk	NML 23	31-Oct-01	1.0	7.90	177		0.019	0.008	0.054	0.001	0.010	0.101
average			4.0	7.61	321	12.4	0.049	0.051	0.076	-	-	-
max			15.0	10.55	5820	180.8	0.620	0.623	0.679	-	-	-
min			0.1	2.48	21	0.0	0.000	0.000	0.000	-	-	-

Nanisivik Mine Surface Water Quality, SNP 159-6, 1974 to 2001

Location	Station	Date	Temp	pH	Cond	TSS	Total Cd	Total Pb	Total Zn	Dis Cd	Dis Pb	Dis Zn
Twin Ck mouth	159-6	01-Aug-74					<0.0002	<0.001	0.223			
Twin Ck mouth	159-6	01-Aug-75					<0.0007	<0.001	0.236			
Twin Ck mouth	159-6	01-Aug-76					0.001	<0.001	0.047			
Twin Ck mouth	159-6	20-Jun-77					0.005	0.140	0.230			
Twin Ck mouth	159-6	18-Jul-77					0.005	0.052	0.520			
Twin Ck mouth	159-6	22-Aug-77					0.005	0.025	0.380			
Twin Ck mouth	159-6	14-Sep-77					0.008	0.030	0.455			
Twin Ck mouth	159-6	05-Jun-78					0.005	0.080	0.180			
Twin Ck mouth	159-6	10-Jul-78					0.005	0.040	0.260			
Twin Ck mouth	159-6	15-Aug-78					0.005	0.006	1.340			
Twin Ck mouth	159-6	11-Jun-79					0.005	0.005	0.324			
Twin Ck mouth	159-6	30-Jul-79					0.005	0.012	0.330			
Twin Ck mouth	159-6	14-Aug-79					0.005	0.010	0.720			
Twin Ck mouth	159-6	14-Sep-79					0.005	0.030	0.730			
Twin Ck mouth	159-6	13-Jul-80					0.020	0.020	1.217			
Twin Ck mouth	159-6	15-Aug-80					0.020	0.020	1.135			
Twin Ck mouth	159-6	26-Jun-81					0.010	0.010	0.400			
Twin Ck mouth	159-6	17-Jul-81					0.010	0.010	1.273			
Twin Ck mouth	159-6	14-Aug-81					0.010	0.010	4.211			
Twin Ck mouth	159-6	06-Jun-82					0.010	0.010	2.878			
Twin Ck mouth	159-6	16-Jul-82					0.010	0.010	1.441			
Twin Ck mouth	159-6	06-Aug-82					0.010	0.010	3.200			
Twin Ck mouth	159-6	06-Jun-83					0.001	0.001	0.450			
Twin Ck mouth	159-6	06-Jul-83					0.001	0.001	0.013			
Twin Ck mouth	159-6	02-Aug-83					0.001	0.082	0.568			
Twin Ck mouth	159-6	06-Sep-83					0.001	0.001	1.231			
Twin Ck mouth	159-6	05-Jun-84					0.001	0.000	0.417			
Twin Ck mouth	159-6	09-Jul-84					0.001	0.001	0.153			
Twin Ck mouth	159-6	10-Aug-84					0.001	0.001	0.101			
Twin Ck mouth	159-6	28-May-85					0.001	0.057	0.844			
Twin Ck mouth	159-6	18-Jun-85					0.001	0.001	0.200			
Twin Ck mouth	159-6	12-Jul-85					0.001	0.001	0.147			
Twin Ck mouth	159-6	16-Aug-85					0.001	0.001	0.837			
Twin Ck mouth	159-6	28-Sep-85					0.005	0.033	2.530			
Twin Ck mouth	159-6	01-Jul-86					0.001	0.016	0.052			
Twin Ck mouth	159-6	08-Aug-86					0.001	0.001	0.586			
Twin Ck mouth	159-6	08-Sep-86					0.001	0.077	0.168			
Twin Ck mouth	159-6	15-Jun-87					0.001	0.005	0.275			
Twin Ck mouth	159-6	13-Jul-87					0.001	0.017	0.204			
Twin Ck mouth	159-6	14-Aug-87					0.001	0.043	0.996			
Twin Ck mouth	159-6	11-Sep-87					0.001	0.001	0.380			
Twin Ck mouth	159-6	06-Jun-88					0.001	0.001	0.287			
Twin Ck mouth	159-6	05-Jul-88					0.001	0.001	0.106			
Twin Ck mouth	159-6	08-Aug-88					0.001	0.001	1.003			
Twin Ck mouth	159-6	12-Sep-88					0.003	0.001	1.360			
Twin Ck mouth	159-6	12-Jun-89					0.005	0.579	1.193			
Twin Ck mouth	159-6	12-Jul-89					0.004	<0.001	0.886			
Twin Ck mouth	159-6	11-Aug-89					0.007	0.227	0.516			
Twin Ck mouth	159-6	15-Sep-89					0.018	0.041	0.317			
Twin Ck mouth	159-6	25-Jun-90					0.003	0.033	0.244			
Twin Ck mouth	159-6	20-Jul-90					0.003	0.088	0.249			
Twin Ck mouth	159-6	16-Aug-90					0.001	0.066	1.781			
Twin Ck mouth	159-6	10-Sep-90					0.002	0.039	1.171			
Twin Ck mouth	159-6	14-Jun-91					<0.001	0.158	0.209			
Twin Ck mouth	159-6	08-Jul-91					<0.001	0.021	0.248			
Twin Ck mouth	159-6	14-Aug-91					0.001	<0.001	1.573			
Twin Ck mouth	159-6	12-Sep-91					0.002	0.010	4.190			
Twin Ck mouth	159-6	20-Jun-92					<0.001	0.005	1.080			
Twin Ck mouth	159-6	15-Jul-92					<0.001	0.002	0.132			
Twin Ck mouth	159-6	12-Aug-92					0.001	0.020	0.547			
Twin Ck mouth	159-6	02-Sep-92					0.001	<0.001	0.259			
Twin Ck mouth	159-6	28-May-93					<0.001	0.150	0.925			
Twin Ck mouth	159-6	23-Jun-93					<0.001	0.002	0.241			
Twin Ck mouth	159-6	21-Jul-93					<0.001	0.010	0.268			
Twin Ck mouth	159-6	18-Aug-93					0.004	0.006	1.609			
Twin Ck mouth	159-6	10-Sep-93					<0.001	0.004	1.644			
Twin Ck mouth	159-6	10-Jun-94					<0.001	0.008	0.539			
Twin Ck mouth	159-6	12-Jul-94					<0.001	0.001	0.176			
Twin Ck mouth	159-6	17-Aug-94					0.002	<0.001	0.841			
Twin Ck mouth	159-6	29-Aug-94					<0.001	<0.001	1.214			
Twin Ck mouth	159-6	12-Jun-95					<0.001	0.013	0.331			
Twin Ck mouth	159-6	10-Jul-95					<0.001	0.006	0.117			

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Location	Station	Date	Temp	pH	Cond	TSS	Total Cd	Total Pb	Total Zn	Dis Cd	Dis Pb	Dis Zn
Twin Ck mouth	159-6	14-Aug-95					0.006	<0.001	2.099			
Twin Ck mouth	159-6	11-Sep-95					0.003	0.009	2.746			
Twin Ck mouth	159-6	13-Jun-96	2.9	7.38	320	2.0	0.001	0.024	0.820	<0.001	<0.001	0.061
Twin Ck mouth	159-6	27-Jun-96	5.0	7.70	335	0.0	0.001	0.006	0.503	<0.001	<0.001	0.103
Twin Ck mouth	159-6	03-Jul-96	0.7	7.50	53	3.2			0.082			0.060
Twin Ck mouth	159-6	10-Jul-96	3.0	7.43	76		0.001	0.003	0.171	<0.001		0.016
Twin Ck mouth	159-6	17-Jul-96	4.1	7.60	92	2.2	0.001	0.002	0.227	<0.001	0.002	0.132
Twin Ck mouth	159-6	22-Jul-96	3.8	7.83	121	0.2	0.001	0.002	0.306	<0.001	0.002	0.128
Twin Ck mouth	159-6	01-Aug-96	0.7	6.95	260	0.2	0.001	0.001	0.547	<0.001	0.028	0.425
Twin Ck mouth	159-6	08-Aug-96	3.1	7.88	359	0.8	0.001	0.001	0.971	<0.001	<0.001	0.992
Twin Ck mouth	159-6	14-Aug-96		7.34	166	5.4	0.001	0.001	0.514	<0.001	<0.001	0.321
Twin Ck mouth	159-6	21-Aug-96	2.0	8.33	313	0.0	0.002	0.001	0.809			1.709
Twin Ck mouth	159-6	09-Jun-97	-0.4	8.64	590		0.002	0.038	0.672	<0.001	0.001	0.285
Twin Ck mouth	159-6	16-Jun-97	1.0	6.92	10		0.002	0.085	0.605			0.459
Twin Ck mouth	159-6	23-Jun-97	2.0	6.88	120		0.001	0.002	0.222	0.001	0.000	0.069
Twin Ck mouth	159-6	04-Jul-97	4.0	6.69	470		0.002	0.002	0.430	0.001	<0.001	0.210
Twin Ck mouth	159-6	08-Jul-97	4.1	8.50	478		0.001	0.001	0.624	0.001	<0.001	0.339
Twin Ck mouth	159-6	14-Jul-97	4.9	6.68	430		0.001	0.001	0.487	<0.001	<0.001	0.269
Twin Ck mouth	159-6	21-Jul-97	4.0	6.47	140		0.001	0.014	0.634	<0.001	0.008	0.457
Twin Ck mouth	159-6	28-Jul-97	4.8	6.40	130		0.001	0.012	0.408	<0.001	0.008	0.357
Twin Ck mouth	159-6	07-Aug-97		6.01	220		0.003	0.002	0.884	0.003	<0.001	0.446
Twin Ck mouth	159-6	11-Aug-97	3.4	6.50	110		0.001	0.001	0.679	0.001	<0.001	0.376
Twin Ck mouth	159-6	21-Aug-97	0.3	4.85	240		0.001	0.001	0.938	0.001	<0.001	0.612
Twin Ck mouth	159-6	25-Aug-97	-1.3	7.46	690		0.004	0.001	3.053	0.003	<0.001	2.461
Twin Ck mouth	159-6	01-Jun-98	0.8	7.81	480	22.2			3.695			
Twin Ck mouth	159-6	08-Jun-98	0.8	8.04	220	72.8	0.001	0.001	0.120			
Twin Ck mouth	159-6	22-Jun-98	4.2	6.48	140	2.4	0.001	0.001	0.412			
Twin Ck mouth	159-6	30-Jun-98	5.5	6.83	150	4.8	0.001	0.001	0.408	<0.001	<0.001	
Twin Ck mouth	159-6	07-Jul-98	2.0	7.90	540	1.6	0.001	0.001	0.864	0.001	0.002	0.852
Twin Ck mouth	159-6	13-Jul-98	4.4	6.05	550	1.8	0.005	0.001	1.796			
Twin Ck mouth	159-6	21-Jul-98	5.2	6.15	3	1.2	0.001	0.001	0.794	0.002	<0.001	0.771
Twin Ck mouth	159-6	30-Jul-98	5.1	6.50	370	1.2	0.002	0.003	0.302			
Twin Ck mouth	159-6	05-Aug-98	2.8	6.15	350	0.6	0.002	0.004	0.387			
Twin Ck mouth	159-6	17-Aug-98		6.89	350	3.4	0.005	0.001	2.749	0.003	<0.001	1.333
Twin Ck mouth	159-6	24-Aug-98	3.0	6.75	550		0.003	0.001	2.997	0.003	<0.001	1.584
Twin Ck mouth	159-6	03-Sep-98		6.36	580	8.2	0.010	0.004	5.049	0.008	0.001	3.330
Twin Ck mouth	159-6	14-Sep-98	3.1	6.58	720	6.2	0.005	0.004	2.939	0.004	<0.001	2.503
Twin Ck mouth	159-6	18-Sep-98	2.3	6.80	1620		0.006	0.008	3.018			
Twin Ck mouth	159-6	25-Jun-99	2.2	7.70	320	1.4	0.002	0.099	0.480			
Twin Ck mouth	159-6	01-Jul-99	2.0	6.50	160	28.8	0.002	0.033	0.373			
Twin Ck mouth	159-6	08-Jul-99	4.1	6.60	30	4.8	0.001	0.020	0.215			
Twin Ck mouth	159-6	15-Jul-99	3.4		7	0.4	0.001	0.001	0.701			
Twin Ck mouth	159-6	22-Jul-99	5.1	7.28	180	2.0	0.003	0.002	0.972			
Twin Ck mouth	159-6	28-Jul-99	4.6	7.40	160	10.0	0.002		1.309	0.002		1.120
Twin Ck mouth	159-6	04-Aug-99	5.4	8.50	300	0.0	0.005	0.001	2.116			
Twin Ck mouth	159-6	14-Aug-99	4.7	7.30	650	0.0	0.029	0.071	7.067	0.014	0.018	6.687
Twin Ck mouth	159-6	21-Aug-99	4.0	6.20	2900	0.0	0.008	0.025	2.845	0.015		2.845
Twin Ck mouth	159-6	28-Aug-99	2.0	6.39	1250	0.0	0.007	0.008	4.913	0.007	0.007	3.912
Twin Ck mouth	159-6	13-Jun-00	2.7	7.94	362	31.6	0.003	0.048	0.993	0.001	0.015	0.778
Twin Ck mouth	159-6	19-Jun-00	1.4	7.68	336	1.2	0.001	0.002	0.691	<0.001	0.001	0.614
Twin Ck mouth	159-6	03-Jul-00	9.0	7.77	257	2.8	0.001	0.002	0.256	0.001	0.001	0.232
Twin Ck mouth	159-6	10-Jul-00	6.8	6.95	332	3.0	0.001	0.001	0.339	0.001	0.002	0.316
Twin Ck mouth	159-6	18-Jul-00	8.0	6.77	301	2.2	0.006	0.004	1.303	0.004	0.002	1.240
Twin Ck mouth	159-6	25-Jul-00				2.6	0.017	0.003	4.264	0.003	0.003	3.733
Twin Ck mouth	159-6	31-Jul-00	9.3	7.13	303	3.0	0.011	0.003	4.396	0.013	0.003	3.962
Twin Ck mouth	159-6	08-Aug-00	11.3	5.86	320	4.4	0.009	0.007	2.543	0.008	0.002	2.290
Twin Ck mouth	159-6	19-Aug-00	4.2	7.50	616	2.8	0.014	0.003	0.700	0.009	0.003	0.100
Twin Ck mouth	159-6	31-Aug-00	1.0		607	2.6	0.030	0.006	8.968	0.030	0.002	8.441
Twin Ck mouth	159-6	08-Sep-00	2.1	6.52	610	1.2	0.012	0.005	8.141	0.012	0.003	6.396
Twin Ck mouth	159-6	15-Sep-00	-0.4	7.09		1.2	0.001	0.001	4.184	<0.005	<0.001	3.638
Twin Ck mouth	159-6	07-Jun-01	0.3	8.18	651	0.6	0.006	0.041	5.964	0.005	0.022	5.923
Twin Ck mouth	159-6	18-Jun-01	3.0	8.59	210	1.4	0.006	0.020	0.866	0.006	0.020	0.750
Twin Ck mouth	159-6	25-Jun-01	3.0	7.91	472	5.2	0.004	0.027	0.792	0.004	0.036	0.720
Twin Ck mouth	159-6	30-Jun-01	4.8	8.06	1556	14.4	0.001	0.007	0.389	0.000	0.000	0.219
Twin Ck mouth	159-6	06-Jul-01	6.9	7.86	117	13.5	0.001	0.035	0.184	0.000	0.013	0.113
Twin Ck mouth	159-6	14-Jul-01	8.2	7.51	287		0.003	0.080	0.893	0.003	0.067	0.809
Twin Ck mouth	159-6	21-Jul-01	9.8	7.35	491	10.6	0.006	0.044	2.047	0.006	0.045	1.777
Twin Ck mouth	159-6	30-Jul-01	11.0	7.08	424	16.9	0.009	0.098	3.210	0.009	0.074	2.599
Twin Ck mouth	159-6	04-Aug-01	11.0	7.28	271	13.6	0.009	0.087	2.547	0.007	0.072	1.587
Twin Ck mouth	159-6	11-Aug-01	9.1	7.37	340		0.014	0.037	4.271	0.010	0.013	2.744
Twin Ck mouth	159-6	15-Aug-01	7.7	7.60	427	22.6	0.023	0.061	15.200	0.016	0.041	5.172
Twin Ck mouth	159-6	22-Aug-01	3.8	7.36	549	28.4	0.033	0.044		0.027	0.027	6.537

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Location	Station	Date	Temp	pH	Cond	TSS	Total Cd	Total Pb	Total Zn	Dis Cd	Dis Pb	Dis Zn
		average	4.0	7.17	414	7.0	0.005	0.027	1.372	-	-	-
		max	11.3	8.64	2900	72.8	0.033	0.579	15.200	-	-	-
		min	-1.3	4.85	3	0.0	0.001	0.000	0.013	-	-	-