

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

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Report of Investigations 83-1
GEOCHEMICAL RECONNAISSANCE OF THE
LIVENGOOD B-3, B-4, C-3, AND C-4
QUADRANGLES, ALASKA: SUMMARY OF
DATA ON STREAM-SEDIMENT, PAN-
CONCENTRATE, AND ROCK SAMPLES
By M.D. Albanese
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STATE OF ALASKA
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GEOCHEMICAL RECONNAISSANCE OF THE LIVENGOOD B-3, B-4, C-3, and C-4
QUADRANGLES, ALASKA; SUMMARY OF DATA ON STREAM-SEDIMENT,
PAN-CONCENTRATE, AND ROCK SAMPLES.

By M.D. Albanese

INTRODUCTION

This report lists geochemical analyses of 1,597 stream-sediment samples, 297 pan-concentrate samples, and 305 rock samples from the Livengood B-3, B-4, C-3, and C-4 Quadrangles. These geochemical results represent part of a geological and mineral investigation of the Livengood mining district conducted by DGGs. Funding for this study was provided by DGGs and the University of Alaska Mineral Industry Research Laboratory. Samples were collected during May-July 1982 by DGGs staff T.E. Smith, M.S. Robinson, T.K. Bundtzen, M.D. Albanese, G.L. Allegro, J.W. Lindhorst, T.D. Balog, M.S. Lockwood, M.A. Sturnick, M.T. Aumiller, and W.N. Tifental.

Lead, gold, silver, molybdenum, antimony, and arsenic were analyzed at the DGGs laboratory by atomic-absorption spectrophotometry on aqua-regia digests, unless noted otherwise. Copper, zinc, cobalt, nickel, chromium, iron, manganese, and cadmium were analyzed at the DGGs laboratory by inductively coupled plasma atomic-emission spectrophotometry on aqua-regia digests, unless noted otherwise. Lower limits of detection were 1 ppm for lead, antimony, molybdenum, copper, zinc, and cadmium; 10 ppm for arsenic, cobalt, nickel, chromium, iron, and manganese; and 0.1 ppm for gold and silver. DGGs laboratory staff involved in these analyses include M.A. Wiltse, D.R. Stein, N.C. Veach, M.R. Ashwell, T.A. Benjamin, M.K. Polly, W.W. Wickens, J.N. Drahos, G.R. Crotty, R.P. Erickson, and J.F. Spielman.

Tin, tungsten, and mercury were analyzed by Bondar-Clegg & Company Ltd., Vancouver, B.C. Tungsten was analyzed by colorimetry with a lower detection limit of 2 ppm. Mercury was analyzed by cold-vapor atomic-absorption spectrophotometry with a lower detection limit of 5 ppb. Tin was analyzed by X-ray fluorescence with a lower detection limit of 5 ppm. Some arsenic analyses (footnoted in the tables) completed by Bondar-Clegg used perchloric digestion followed by colorimetric determination with a lower detection limit of 2 ppm.

Table 1. Stream-sediment-sample analyses, Livengood B-3, B-4, C-3, and C-4 Quadrangles, Alaska. (Hg analyses in ppb; all other analyses in ppm, unless otherwise stated; '-' indicates sample was not analyzed for this element.)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0001	C-4	T.8N.,R.6W.,sec.24	28 ¹	7	68 ¹	0.2	-	-	<10	24	30	1.56	610	-	35
0002	C-4	T.8N.,R.6W.,sec.24	35 ¹	12	119 ¹	0.1	-	-	<10	23	47	3.77	200	-	62
0003	C-4	T.8N.,R.6W.,sec.24	30 ¹	9	111 ¹	0.1	-	-	<10	14	42	2.41	544	-	48
0005	C-4	T.8N.,R.6W.,sec.24	86 ¹	16	106 ¹	<0.1	-	-	<10	26	60	4.36	885	-	57
0007	B-4	T.8N.,R.6W.,sec.25	67 ¹	13	127 ¹	<0.1	-	-	<10	27	60	4.80	879	-	67
0008	B-4	T.8N.,R.6W.,sec.25	76 ¹	11	146 ¹	<0.1	-	-	<10	34	77	4.81	888	-	74
0009	B-4	T.8N.,R.6W.,sec.25	27 ¹	10	75 ¹	<0.1	-	-	20	16	32	4.01	985	-	45
0010	B-4	T.8N.,R.6W.,sec.26	57 ¹	9	123 ¹	<0.1	-	-	<10	26	57	4.55	727	-	60
0011	B-4	T.8N.,R.6W.,sec.26	52 ¹	9	121 ¹	<0.1	-	-	<10	20	49	3.93	1050	-	59
0013	B-4	T.8N.,R.6W.,sec.26	33 ¹	10	80 ¹	0.1	-	-	<10	14	32	3.19	793	-	45
0014	C-3	T.9N.,R.3W.	23 ¹	12	50 ¹	0.2	-	-	15	14	21	2.64	761	-	37
0015	C-3	T.9N.,R.3W.	23 ¹	15	49 ¹	0.1	-	-	21	15	20	3.04	576	-	39
0016	C-3	T.9N.,R.3W.	23 ¹	15	48 ¹	0.2	-	-	19	14	19	2.98	565	-	40
0017	C-3	T.9N.,R.3W.	21 ¹	13	52 ¹	0.1	-	-	15	13	18	2.78	633	-	37
0018	C-3	T.9N.,R.3W.	24 ¹	14	57 ¹	0.1	-	-	16	14	21	3.05	700	-	39
0019	C-3	T.9N.,R.3W.	16 ¹	10	43 ¹	0.1	-	-	<10	10	15	1.85	116	-	34
0020	C-3	T.9N.,R.3W.	17 ¹	9	38 ¹	0.2	-	-	<10	36	13	3.06	1930	-	20
0021	C-3	T.9N.,R.3W.	41 ¹	9	47 ¹	0.1	-	-	<10	10	11	2.09	144	-	24
0022	C-3	T.9N.,R.3W.	38 ¹	17	32 ¹	0.5	-	-	12	10	13	1.59	105	-	27
0023	C-3	T.9N.,R.3W.	29 ¹	14	52 ¹	0.1	-	-	<10	10	17	1.69	75	-	28
0026	C-3	T.9N.,R.3W.	29 ¹	10	35 ¹	0.2	-	-	19	10	11	1.59	88	-	24
0028	C-3	T.9N.,R.3W.	55 ¹	20	64 ¹	0.1	-	-	30	11	24	3.14	549	-	32
0030	C-3	T.8N.,R.3W.	18 ¹	9	46 ¹	0.1	-	-	<10	10	15	2.19	167	-	33
0031	C-3	T.8N.,R.3W.	22 ¹	9	45 ¹	0.1	-	-	<10	10	14	2.06	133	-	30
0032	C-3	T.8N.,R.3W.	18 ¹	7	42 ¹	0.1	-	-	<10	10	13	1.85	127	-	27
0033	C-3	T.8N.,R.3W.	14 ¹	7	37 ¹	0.1	-	-	<10	10	12	2.09	119	-	25
0034	C-3	T.8N.,R.3W.	22 ¹	8	48 ¹	0.1	-	-	<10	10	14	2.04	129	-	32
0035	B-3	T.7N.,R.4W.,sec.17	23 ¹	6	61 ¹	0.1	-	-	<10	10	22	2.34	322	-	34
0036	B-3	T.7N.,R.4W.,sec.17	22 ¹	6	62 ¹	0.1	-	-	<10	10	22	2.38	295	-	33
0037	B-3	T.7N.,R.4W.,sec.17	17 ¹	8	54 ¹	0.1	-	-	<10	10	18	2.11	280	-	33
0038	B-3	T.7N.,R.4W.,sec.17	22 ¹	8	59 ¹	0.1	-	-	<10	10	20	2.28	304	-	30
0039	B-3	T.7N.,R.4W.,sec.17	24 ¹	9	68 ¹	0.1	-	-	<10	13	22	2.82	865	-	35
0040	B-3	T.7N.,R.4W.,sec.17	21 ¹	8	56 ¹	0.1	-	-	<10	10	18	2.19	275	-	31
0041	B-3	T.7N.,R.4W.,sec.17	21 ¹	9	68 ¹	<0.1	-	-	<10	13	<10	2.48	983	-	31
0042	B-3	T.7N.,R.4W.,sec.17	19 ¹	7	54 ¹	0.1	-	-	<10	10	17	2.23	462	-	28
0043	B-3	T.7N.,R.4W.,sec.20	20 ¹	11	63 ¹	<0.1	-	-	<10	11	22	2.57	486	-	29
0044	B-3	T.7N.,R.4W.,sec.16	20 ¹	11	67 ¹	0.1	-	-	<10	12	24	2.75	540	-	33
0045	B-3	T.7N.,R.4W.,sec.16	22 ¹	13	74 ¹	0.1	-	-	<10	14	28	3.18	633	-	34
0047	B-3	T.7N.,R.4W.,sec.16	21 ¹	12	69 ¹	<0.1	-	-	<10	13	24	2.87	110	-	52
0048	B-3	T.7N.,R.4W.,sec.16	26 ¹	9	55 ¹	0.1	-	-	<10	11	25	2.67	373	-	30

¹Atomic-absorption spectrophotometry, DCGS lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0049	B-3	T.7N.,R.4W.,sec.16	22 ¹	14	54 ¹	0.1	-	-	<10	11	25	2.66	366	-	29
0050	B-3	T.7N.,R.4W.,sec.16	20 ¹	18	67 ¹	0.1	-	-	<10	11	22	2.61	513	-	28
0052	B-4	T.7N.,R.5W.,sec.11	230 ¹	39 ¹	55 ¹	0.7	-	-	26	<10	17	3.26	149	-	39
0056	B-4	T.7N.,R.5W.,sec.2	195 ¹	110 ¹	175 ¹	1.0	-	-	212	<10	28	8.69	503	-	44
0057	B-4	T.7N.,R.5W.,sec.2	83 ¹	53	240 ¹	0.3	-	-	86	24	35	4.89	1210	-	44
0058	B-4	T.7N.,R.5W.,sec.2	86 ¹	88 ¹	488 ¹	0.4	-	<1	112	18	36	7.26		<1 ¹	46
0059	B-4	T.7N.,R.5W.,sec.2	343 ¹	108 ¹	161 ¹	0.9 ¹	-	-	210	<10	33	9.83	388	-	48
0061	B-4	T.7N.,R.5W.,sec.2	67 ¹	22	118 ¹	0.2	-	-	31	18	31	3.27	584	-	35
0063	B-4	T.7N.,R.5W.,sec.2	73 ¹	64	202 ¹	0.7	-	-	47	22	42	4.21	1690	-	41
0066	B-4	T.7N.,R.5W.,sec.2	124 ¹	36 ¹	142 ¹	0.3	-	-	95	18	41	6.22	978	-	121
0067	B-3	T.7N.,R.4W.,sec.29	31 ¹	12	64 ¹	0.1	-	-	<10	14	26	3.51	576	-	37
0069	B-3	T.7N.,R.4W.,sec.29	25 ¹	10	69 ¹	0.1	-	-	<10	15	24	3.30	530	-	38
0071	B-3	T.7N.,R.4W.,sec.28	27 ¹	10	52 ¹	0.2	-	-	<10	11	30	2.98	271	-	33
0072	B-3	T.7N.,R.4W.,sec.28	27 ¹	10	52 ¹	0.2	-	-	<10	14	30	3.39	432	-	31
0073	B-3	T.7N.,R.4W.,sec.28	21 ¹	12	68 ¹	0.1	-	-	<10	27	33	3.38	1400	-	39
0074	B-3	T.7N.,R.4W.,sec.28	26 ¹	10	61 ¹	0.1	-	-	<10	13	32	3.13	522	-	41
0075	B-3	T.7N.,R.4W.,sec.33	30 ¹	9	59 ¹	0.1	-	-	<10	17	26	1.07	1670	-	17
0076	B-4	T.8N.,R.7W.,sec.25	19	13	60	0.2	-	<1	<10	13	13	2.97	563	<1 ¹	23
0078	B-4	T.8N.,R.7W.,sec.25	23	12	68	0.1	-	<1	<10	14	16	3.46	732	<1 ¹	26
0080	B-4	T.8N.,R.7W.,sec.25	23	10	72	<0.1	-	<1	<10	13	16	3.47	560	<1 ¹	28
0081	B-4	T.8N.,R.7W.,sec.25	22	10	70	0.1	-	<1	<10	<10	18	3.31	313	<1 ¹	31
0083	B-4	T.8N.,R.7W.,sec.25	37	16	78	0.1	-	<1	<10	25	25	3.79	1670	<1 ¹	35
0085	B-4	T.8N.,R.6W.,sec.30	59	23	81	0.3	-	<1	<10	15	26	3.40	847	<1 ¹	41
0085	B-4	T.8N.,R.6W.,sec.30	115	29	207	0.4	-	<1	11	23	29	4.11	1440	<1 ¹	39
0086	B-4	T.8N.,R.6W.,sec.30	26	11	69	0.1	-	<1	<10	12	22	2.79	593	<1 ¹	35
0086	B-4	T.8N.,R.6W.,sec.30	83	22	83	0.4	-	<1	<10	21	23	3.24	1270	<1 ¹	29
0087	B-4	T.8N.,R.6W.,sec.30	21	10	69	<0.1	-	<1	<10	<10	20	2.91	392	<1 ¹	28
0089	B-4	T.8N.,R.6W.,sec.30	19	9	63	0.1	-	<1	<10	<10	18	2.68	330	<1 ¹	27
0090	B-4	T.8N.,R.6W.,sec.30	23	11	70	0.1	-	<1	<10	<10	20	2.93	431	<1 ¹	29
0091	B-4	T.8N.,R.6W.,sec.30	22	10	70	0.1	-	<1	<10	<10	20	2.85	480	<1 ¹	26
0092	B-4	T.8N.,R.6W.,sec.29	19	10	65	<0.1	-	<1	<10	<10	18	2.79	530	<1 ¹	22
0093	B-3	T.6N.,R.3W.,sec.26	25	12	77	0.5	-	-	<10	<10	22	2.12	621	-	17
0095	B-3	T.6N.,R.3W.,sec.26	35	14	83	0.4	-	-	<10	13	31	3.09	577	-	19
0096	B-3	T.6N.,R.3W.,sec.26	36	15	83	0.4	-	-	<10	13	34	3.09	738	-	33
0097	B-3	T.6N.,R.3W.,sec.26	24	20	57	0.1	-	-	<10	15	20	2.98	841	-	19
0099	B-3	T.6N.,R.3W.,sec.26	20	12	57	0.2	-	-	<10	11	25	2.63	630	-	25
0100	C-3	T.9N.,R.4W.	15	13	49	0.1	-	<1	<10	<10	13	2.36	261	<1 ¹	26
0102	C-3	T.9N.,R.4W.	45	23	63	0.2	-	<1	<10	42	18	4.14	3040	<1 ¹	28
0104	C-3	T.9N.,R.4W.	28	20	61	0.1	-	<1	<10	35	17	3.71	2240	<1 ¹	30
0109	C-3	T.9N.,R.4W.	78	32 ¹	100	0.3	-	<1	<10	43	32	5.01	5190	<1 ¹	38
0110	C-3	T.9N.,R.4W.	37	24	87	0.1	-	<1	<10	33	27	4.35	3290	<1 ¹	38
0111	C-3	T.9N.,R.4W.	31	17	77	0.2	-	<1	<10	21	23	3.85	1470	<1 ¹	38
0113	C-3	T.9N.,R.4W.	38	22	76	0.1	-	<1	<10	24	22	3.76	2060	<1 ¹	30
0117	C-3	T.9N.,R.4W.	23	14	55	0.1	-	<1	26	12	19	2.82	663	<1 ¹	31
0119	C-3	T.9N.,R.4W.	15	8	61	0.1	-	<1	<10	10	30	2.59	333	<1 ¹	46
0120	C-3	T.9N.,R.4W.	34	16	87	0.1	-	<1	<10	23	43	4.37	1750	<1 ¹	59
0121	C-3	T.9N.,R.4W.	24	10	63	<0.1	-	<1	<10	13	24	3.13	773	<1 ¹	37

¹Atomic-absorption spectrophotometry, DGGS lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0123	C-3	T. 9N., R. 4W.	24	11	67	0.1	-	<1	<10	13	27	2.74	734	<1 ¹	37
0125	C-3	T. 9N., R. 4W.	20	10	64	0.1	-	<1	<10	11	27	2.76	552	<1 ¹	39
0126	C-3	T. 9N., R. 4W.	36	11	67	<0.1	-	<1	<10	17	27	3.36	870	<1 ¹	37
0128	C-3	T. 9N., R. 4W.	18	8	57	0.1	-	<1	<10	<10	19	2.52	538	<1 ¹	28
0129	C-3	T. 9N., R. 4W.	24	12	68	0.1	-	<1	<10	14	25	3.00	999	<1 ¹	34
0132	C-3	T. 9N., R. 4W.	17	11	53	0.1	-	<1	<10	<10	13	2.86	367	<1 ¹	26
0133	C-3	T. 9N., R. 4W.	18	11	87	0.1	-	<1	<10	19	25	3.30	1140	<1 ¹	35
0135	C-3	T. 9N., R. 4W.	30	15	84	0.2	-	<1	<10	24	55	4.49	1150	<1 ¹	82
0136	C-3	T. 9N., R. 4W.	23	9	61	0.1	-	<1	<10	13	38	2.93	601	<1 ¹	52
0137	C-3	T. 9N., R. 4W.	29	12	75	0.1	-	<1	<10	18	43	3.66	1020	<1 ¹	64
0140	C-3	T. 9N., R. 4W.	19	9	57	0.1	-	<1	<10	<10	18	2.68	498	<1 ¹	28
0142	C-3	T. 9N., R. 4W.	16	8	57	<0.1	-	<1	<10	<10	19	2.70	403	<1 ¹	28
0144	C-3	T. 9N., R. 4W.	29	12	74	0.1	-	<1	<10	17	39	3.85	988	<1 ¹	53
0145	C-3	T. 9N., R. 4W.	23	12	70	0.1	-	<1	<10	11	24	3.38	471	<1 ¹	37
0146	C-3	T. 9N., R. 4W.	18	9	56	0.1	-	<1	<10	<10	25	2.41	285	<1 ¹	35
0147	C-3	T. 9N., R. 4W.	25	10	70	0.1	-	<1	<10	15	41	3.40	777	<1 ¹	56
0148	C-3	T. 10N., R. 4W.	17	8	60	0.1	-	<1	<10	11	30	2.76	580	<1 ¹	45
0149	C-3	T. 9N., R. 4W.	17	10	60	<0.1	-	<1	<10	<10	29	3.10	253	<1 ¹	47
0150	C-3	T. 9N., R. 4W.	20	11	63	<0.1	-	<1	<10	11	29	3.10	411	<1 ¹	48
0152	C-3	T. 9N., R. 4W.	20	10	58	0.1	-	<1	<10	<10	27	2.60	319	<1 ¹	40
0153	C-3	T. 9N., R. 4W.	13	7	48	<0.1	-	<1	<10	<10	21	2.15	199	<1 ¹	38
0154	C-3	T. 10N., R. 4W.	17	9	66	0.1	-	<1	<10	11	26	2.98	478	<1 ¹	42
0155	B-3	T. 7N., R. 3W., sec. 12	29	13	61	0.2	-	<1	<10	<10	31	3.26	366	<1 ¹	49
0157	B-3	T. 7N., R. 3W., sec. 11	38	12	97	0.1	-	<1	<10	25	51	4.11	10500	<1 ¹	57
0159	B-3	T. 7N., R. 3W., sec. 14	35	9	90	0.1	-	<1	<10	18	43	4.06	1450	<1 ¹	56
0160	B-3	T. 7N., R. 3W., sec. 11	21	11	58	0.1	-	<1	<10	12	25	3.26	486	<1 ¹	53
0161	B-3	T. 7N., R. 3W., sec. 11	18	9	52	0.1	-	<1	<10	<10	22	3.19	453	<1 ¹	44
0162	B-3	T. 7N., R. 3W., sec. 14	33	12	82	0.1	-	<1	<10	18	38	4.10	778	<1 ¹	54
0164	B-3	T. 7N., R. 3W., sec. 14	35	12	97	0.1	-	<1	<10	20	49	4.86	1160	<1 ¹	64
0165	B-3	T. 6N., R. 3W., sec. 26	30	17	63	0.1	-	-	<10	14	23	3.25	793	-	16
0167	B-3	T. 6N., R. 3W., sec. 35	23	15	60	0.1	-	-	<10	12	25	2.77	789	-	26
0168	B-3	T. 6N., R. 3W., sec. 13	21	14	62	0.1	-	-	<10	12	26	2.87	549	-	27
0168	B-3	T. 6N., R. 3W., sec. 13	31	13	150	0.8	-	-	<10	<10	33	2.75	424	-	22
0169	B-3	T. 6N., R. 2W., sec. 19	28	13	134	0.7	-	-	<10	<10	28	2.49	489	-	17
0170	B-3	T. 6N., R. 2W., sec. 19	41	16	138	0.8	-	-	<10	<10	32	2.60	235	-	17
0171	B-3	T. 6N., R. 2W., sec. 19	43	17	136	1.0	-	-	<10	<10	32	2.57	286	-	20
0172	B-3	T. 6N., R. 2W., sec. 19	40	17	134	1.0	-	-	<10	<10	31	2.44	909	-	21
0173	B-3	T. 6N., R. 2W., sec. 19	39	16	152	1.0	-	-	<10	<10	38	2.63	633	-	24
0174	B-3	T. 6N., R. 3W., sec. 28	7	8	28	0.1	-	-	<10	<10	16	1.41	102	-	28
0175	B-3	T. 6N., R. 3W., sec. 32	12	15	47	0.1	-	-	<10	<10	21	3.13	155	-	32
0176	B-3	T. 6N., R. 3W., sec. 29	13	17	40	0.1	-	-	<10	11	21	5.65	634	-	31
0178	B-3	T. 6N., R. 3W., sec. 29	16	12	46	0.1	-	-	<10	<10	21	2.76	334	-	35
0179	B-3	T. 6N., R. 3W., sec. 32	15	13	48	0.2	-	-	<10	<10	21	2.74	291	-	34
0180	B-3	T. 6N., R. 3W., sec. 32	17	14	55	0.1	-	-	<10	12	21	2.90	487	-	33
0181	B-3	T. 6N., R. 3W., sec. 32	17	13	58	0.2	-	-	<10	11	22	2.80	440	-	30
0182	B-3	T. 6N., R. 3W., sec. 32	21	14	52	0.1	-	-	<10	<10	20	2.95	347	-	31
0184	B-3	T. 6N., R. 3W., sec. 31	26	23	87	0.2	-	-	<10	12	34	3.70	624	-	40

¹Atomic-absorption spectrophotometry, DGGS lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0186	B-3	T. 6N., R. 3W., sec. 31	14	12	49	0.1	-	-	<10	<10	18	2.42	256	-	27
0187	B-3	T. 7N., R. 4W., sec. 33	15	14	54	0.1	-	-	<10	<10	20	2.73	346	-	29
0189	B-3	T. 7N., R. 4W., sec. 33	15	12	44	0.1	-	-	<10	<10	15	2.50	260	-	24
0190	B-3	T. 7N., R. 4W., sec. 34	14	12	43	0.1	-	-	<10	<10	14	2.45	261	-	22
0192	B-3	T. 6N., R. 3W., sec. 8	27	16	85	0.3	-	-	<10	21	28	3.37	1930	-	34
0193	B-3	T. 7N., R. 4W., sec. 14	33	30✓	88	0.9✓	-	-	43	<10	16	2.63	236	-	26
0195	B-3	T. 7N., R. 4W., sec. 11	29	34✓	121	0.8✓	-	-	11	13	22	2.93	1060	-	30
0196	B-3	T. 7N., R. 4W., sec. 11	32	25	105	0.6	-	-	19	24	21	3.12	2240	-	35
0197	B-3	T. 7N., R. 4W., sec. 11	30	24	102	0.5	-	-	12	11	21	2.91	739	-	35
0198	B-3	T. 7N., R. 4W., sec. 11	30	27	99	0.6	-	-	11	12	20	2.80	812	-	30
0200	C-4	T. 9N., R. 5W., sec. 5	12	9	42	0.1	-	-	<10	<10	15	1.94	139	-	30
0201	C-4	T. 10N., R. 5W., sec. 32	23	9	70	0.1	-	-	12	12	20	2.99	406	-	33
0203	C-4	T. 10N., R. 5W., sec. 32	30	8	71	0.1	-	-	14	11	23	3.30	314	-	36
0205	C-4	T. 10N., R. 5W., sec. 32	26	9	71	0.1	-	-	<10	11	21	3.34	363	-	32
0206	C-4	T. 10N., R. 5W., sec. 32	20	7	57	0.1	-	-	<10	<10	18	2.43	179	-	31
0208	C-4	T. 10N., R. 5W., sec. 32	21	8	61	<0.1	-	-	<10	<10	19	2.78	331	-	33
0209	C-4	T. 10N., R. 5W., sec. 32	21	9	75	0.1	-	-	12	13	22	3.10	599	-	34
0210	C-4	T. 11N., R. 5W., sec. 33	32	12	84	0.1	-	-	15	14	26	3.80	733	-	39
0212	C-4	T. 11N., R. 5W., sec. 33	34	10	77	0.1	-	-	12	13	25	3.46	565	-	37
0214	C-4	T. 11N., R. 5W., sec. 33	32	11	81	0.1	-	-	25	13	26	3.34	494	-	39
0215	C-4	T. 11N., R. 5W., sec. 33	30	9	72	<0.1	-	-	12	11	22	3.25	460	-	37
0216	C-4	T. 11N., R. 5W., sec. 33	23	8	64	<0.1	-	-	<10	<10	19	2.98	349	-	35
0217	C-4	T. 11N., R. 5W., sec. 33	28	9	77	<0.1	-	-	16	12	21	3.35	317	-	36
0218	C-4	T. 10N., R. 5W., sec. 4	31	8	75	<0.1	-	-	16	14	22	3.98	431	-	40
0220	C-4	T. 10N., R. 5W., sec. 5	30	8	73	<0.1	-	-	19	15	22	4.05	583	-	40
0223	C-4	T. 10N., R. 5W., sec. 17	25	8	69	0.1	-	-	22	<10	21	2.89	432	-	34
0224	C-4	T. 10N., R. 5W., sec. 14	22	8	57	0.1	-	-	23	<10	18	2.51	336	-	30
0226	C-4	T. 10N., R. 5W., sec. 18	20	10	59	0.1	-	-	23	<10	19	2.61	306	-	34
0227	C-4	T. 10N., R. 7W., sec. 36	38	12	90	0.3	-	-	23	15	24	3.97	866	-	38
0229	C-4	T. 9N., R. 7W., sec. 1	41	10	81	0.1	-	-	<10	<10	23	3.48	506	-	37
0230	C-4	T. 9N., R. 7W., sec. 1	55	13	101	0.2	-	-	<10	15	27	5.25	642	-	36
0231	C-4	T. 9N., R. 7W., sec. 2	49	12	91	0.1	-	-	26	13	24	4.40	586	-	36
0233	C-4	T. 9N., R. 7W., sec. 2	36	10	72	0.1	-	-	27	<10	20	3.64	360	-	33
0234	C-4	T. 9N., R. 7W., sec. 2	34	10	66	0.1	-	-	21	11	20	3.22	529	-	35
0236	C-4	T. 8N., R. 7W., sec. 12	19	11	63	0.1	-	-	24	11	18	2.83	472	-	36
0237	C-4	T. 8N., R. 7W., sec. 12	17	8	57	0.1	-	-	29	<10	18	2.66	373	-	35
0238	C-4	T. 8N., R. 7W., sec. 1	23	10	66	0.1	-	-	30	12	21	3.13	614	-	32
0240	C-4	T. 8N., R. 7W., sec. 1	19	11	63	<0.1	-	-	31	<10	18	2.82	505	-	36
0241	C-4	T. 8N., R. 7W., sec. 1	27	12	76	0.1	-	-	33	13	37	3.46	587	-	53
0242	C-4	T. 8N., R. 7W., sec. 1	21	11	63	0.1	-	-	27	<10	30	2.72	316	-	49
0243	C-4	T. 8N., R. 7W., sec. 1	20	9	59	0.1	-	-	26	<10	30	2.50	271	-	45
0244	C-4	T. 8N., R. 7W., sec. 1	22	9	65	0.1	-	-	31	<10	33	2.85	398	-	50
0245	C-4	T. 8N., R. 7W., sec. 4	19	8	71	<0.1	-	-	31	11	32	3.13	741	-	49
0246	C-4	T. 8N., R. 7W., sec. 4	23	8	87	<0.1	-	-	34	14	37	3.73	847	-	55
0247	C-4	T. 8N., R. 7W., sec. 11	23	9	65	<0.1	-	-	33	<10	30	2.79	376	-	47
0248	C-4	T. 8N., R. 7W., sec. 11	22	10	66	<0.1	-	-	31	<10	29	2.86	397	-	48

Table 1 (Cont'd)

Sample	Quad- range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0249	C-4	T.8N.,R.7W.,sec.11	21	9	66	0.1	-	-	27	<10	28	2.80	367	-	46
0250	C-4	T.8N.,R.7W.,sec.2	20	9	65	0.1	-	-	19	<10	29	2.77	346	-	47
0251	C-4	T.8N.,R.7W.,sec.2	21	9	65	0.1	-	-	18	<10	28	2.75	364	-	42
0252	C-4	T.8N.,R.7W.,sec.2	19	9	63	<0.1	-	-	19	<10	27	2.67	349	-	41
0254	B-4	T.6N.,R.7W.,sec.36	22	8	62	0.1	-	-	26	<10	29	2.79	543	-	43
0255	B-4	T.6N.,R.7W.,sec.25	21	10	65	0.1	-	-	19	<10	29	3.02	678	-	44
0256	B-4	T.6N.,R.7W.,sec.25	18	9	62	<0.1	-	-	19	<10	27	2.88	808	-	42
0257	B-4	T.6N.,R.7W.,sec.25	22	11	77	<0.1	-	-	23	12	30	3.91	1000	-	44
0258	B-4	T.6N.,R.7W.,sec.25	19	9	66	<0.1	-	-	19	<10	25	2.82	875	-	39
0259	B-4	T.6N.,R.7W.,sec.25	23	11	78	0.1	-	-	22	12	29	3.43	1550	-	45
0260	B-4	T.6N.,R.7W.,sec.24	23	9	55	<0.1	-	-	21	11	27	2.88	442	-	43
0261	B-4	T.6N.,R.7W.,sec.23	20	9	57	<0.1	-	-	30	<10	25	2.79	410	-	41
0262	B-4	T.6N.,R.6W.,sec.19	20	9	66	<0.1	-	-	20	<10	26	2.77	357	-	45
0263	C-4	T.6N.,R.7W.,sec.13	22	9	67	0.1	-	-	19	<10	26	2.88	289	-	45
0264	B-4	T.6N.,R.7W.,sec.13	16	8	52	0.1	-	-	21	<10	22	2.43	330	-	37
0265	B-4	T.6N.,R.7W.,sec.13	20	9	63	0.1	-	-	29	<10	26	2.93	504	-	44
0266	B-4	T.6N.,R.7W.,sec.13	26	9	69	0.1	-	-	26	11	30	3.09	548	-	41
0270	B-4	T.5N.,R.5W.,sec.7	22	10	68	0.1	-	-	<10	12	73	3.00	579	-	123
0272	B-4	T.5N.,R.5W.,sec.15	36	12	87	0.3	-	-	<10	12	77	2.95	1010	-	130
0274	B-4	T.5N.,R.5W.,sec.15	26	8	77	0.1	-	-	12	11	73	2.54	1010	-	122
0275	B-4	T.5N.,R.5W.,sec.15	-	5	-	0.1	2	3	-	-	-	-	-	-	-
0276	B-4	T.5N.,R.5W.,sec.15	18	9	53	<0.1	-	-	<10	11	70	2.88	423	-	120
0277	B-4	T.5N.,R.5W.,sec.23	28	9	59	<0.1	-	-	<10	12	72	3.11	496	-	121
0278	B-4	T.5N.,R.5W.,sec.9	25	11	63	0.1	-	-	<10	12	74	2.76	506	-	120
0279	B-4	T.5N.,R.5W.,sec.9	25	8	67	0.1	-	-	<10	12	72	2.193	864	-	122
0281	B-4	T.5N.,R.5W.,sec.10	23	9	66	<0.1	-	-	<10	13	73	3.07	1240	-	125
0282	B-4	T.5N.,R.5W.,sec.10	21	8	62	<0.1	-	-	<10	12	69	2.90	961	-	117
0311	B-3	T.6N.,R.4W.,sec.35	26	13	62	0.2	-	-	<10	12	67	2.77	476	-	112
0313	B-3	T.6N.,R.2W.,sec.17	30	13	86	0.2	-	-	<10	13	73	3.02	576	-	118
0315	B-3	T.6N.,R.2W.,sec.17	29	18	101	0.1	-	-	<10	20	79	3.64	1220	-	120
0317	B-3	T.6N.,R.2W.,sec.17	27	13	87	0.2	-	-	<10	14	76	3.27	712	-	117
0318	B-3	T.6N.,R.2W.,sec.17	26	12	86	0.2	-	-	<10	14	76	3.19	962	-	117
0319	B-3	T.6N.,R.2W.,sec.17	20	12	73	0.2	-	-	<10	13	71	3.23	615	-	111
0320	B-3	T.6N.,R.2W.,sec.17	20	15	66	0.1	-	-	<10	17	71	3.17	858	-	116
0321	B-3	T.6N.,R.2W.,sec.19	24	10	84	0.4	-	-	<10	11	69	2.54	402	-	119
0323	B-3	T.6N.,R.2W.,sec.19	17	10	60	0.2	-	-	<10	12	67	2.61	545	-	116
0324	B-3	T.6N.,R.2W.,sec.19	26	13	84	0.3	-	-	<10	14	71	3.00	647	-	116
0326	B-3	T.6N.,R.2W.,sec.19	28	14	80	0.4	-	-	<10	14	78	2.95	631	-	114
0350	C-4	T.9N.,R.5W.,sec.8	25	12	63	0.1	-	-	<10	11	63	3.34	268	-	118
0351	C-3	T.9N.,R.4W.	18 ¹	9	44 ¹	0.1	-	-	<10	<10	22	2.38	156	-	36
0352	C-3	T.9N.,R.4W.	14 ¹	8	41 ¹	0.1	-	-	<10	<10	21	2.66	171	-	34
0353	C-3	T.9N.,R.4W.	16 ¹	9	44 ¹	<0.1	-	-	<10	<10	14	2.27	300	-	26
0354	C-3	T.8N.,R.4W.	19 ¹	9	47 ¹	<0.1	-	-	<10	<10	16	2.13	178	-	27
0356	C-3	T.8N.,R.4W.	17 ¹	9	43 ¹	<0.1	-	-	12	<10	14	3.35	197	-	20
0357	C-3	T.8N.,R.4W.	22 ¹	10	61 ¹	<0.1	-	-	<10	13	20	2.97	468	-	32
0358	C-3	T.8N.,R.4W.	16 ¹	8	57 ¹	<0.1	-	-	<10	<10	18	2.44	391	-	25

¹Atomic-absorption spectrophotometry, DGGs lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0359	C-3	T.8N.,R.4W.	19 ¹	9	54 ¹	0.1	-	-	<10	<10	18	2.18	211	-	25
0360	C-3	T.8N.,R.4W.	29 ¹	11	70 ¹	0.1	-	-	<10	<10	24	2.77	575	-	32
0361	B-3	T.8N.,R.4W.,sec.27	26 ¹	11	55 ¹	0.1	-	-	<10	<10	21	2.24	803	-	28
0362	B-3	T.8N.,R.4W.,sec.27	25 ¹	11	124 ¹	0.2	-	-	<10	14	92	3.14	427	-	101
0363	B-3	T.8N.,R.4W.,sec.27	30 ¹	13	85 ¹	0.2	-	-	<10	16	96	3.39	677	-	55
0364	B-3	T.8N.,R.4W.,sec.26	31 ¹	12	77 ¹	0.2	-	-	<10	11	44	2.61	257	-	50
0366	B-3	T.8N.,R.4W.,sec.34	33 ¹	8	80 ¹	0.5	-	-	<10	19	59	2.37	2860	-	26
0367	B-3	T.8N.,R.4W.,sec.34	50 ¹	21	116 ¹	0.1	-	-	<10	18	47	3.92	1540	-	54
0368	B-3	T.8N.,R.4W.,sec.34	32 ¹	13	105 ¹	0.1	-	-	<10	18	43	4.00	3080	-	44
0369	B-3	T.8N.,R.4W.,sec.34	29 ¹	10	108 ¹	0.1	-	-	<10	15	32	2.77	1120	-	38
0370	B-3	T.8N.,R.4W.,sec.34	32 ¹	11	103 ¹	0.1	-	-	<10	13	39	2.64	957	-	43
0371	B-3	T.7N.,R.4W.,sec.3	27 ¹	10	71 ¹	0.1	-	-	<10	<10	27	2.11	521	-	34
0372	B-3	T.7N.,R.5W.,sec.24	32 ¹	11	61 ¹	0.7	-	-	<10	<10	18	2.42	284	-	42
0374	B-3	T.7N.,R.5W.,sec.24	25 ¹	10	61 ¹	0.2	-	-	<10	18	20	2.47	1320	-	33
0375	B-3	T.7N.,R.5W.,sec.24	23 ¹	10	69 ¹	0.1	-	-	<10	14	24	2.87	672	-	42
0381	B-3	T.7N.,R.4W.,sec.30	25 ¹	22	98 ¹	0.2	-	-	<10	15	21	2.84	1600	-	35
0382	B-3	T.7N.,R.4W.,sec.30	24 ¹	16	89 ¹	0.1	-	-	<10	16	24	3.09	1180	-	40
0383	B-4	T.7N.,R.5W.,sec.23	58 ¹	11	77 ¹	0.2	-	-	42	<10	17	2.23	202	-	30
0386	B-4	T.7N.,R.5W.,sec.22	570 ¹	15	53 ¹	0.9	-	-	77	<10	23	3.14	223	-	37
0387	B-4	T.7N.,R.5W.,sec.22	266 ¹	13	46 ¹	0.4	-	-	63	<10	22	2.89	190	-	33
0388	B-4	T.7N.,R.5W.,sec.22	178 ¹	12	45 ¹	0.2	-	-	67	<10	21	3.01	237	-	33
0389	B-4	T.7N.,R.5W.,sec.22	151 ¹	11	42 ¹	0.1	-	-	66	<10	22	3.09	251	-	33
0391	B-4	T.7N.,R.5W.,sec.21	108 ¹	10	48 ¹	0.1	-	-	47	12	23	2.96	315	-	34
0392	B-4	T.7N.,R.5W.,sec.21	128 ¹	15	63 ¹	0.1	-	-	85	18	31	3.92	636	-	41
0393	B-4	T.6N.,R.5W.,sec.14	32 ¹	28	106 ¹	1.2	-	-	<10	<10	31	2.60	1540	-	26
0394	B-4	T.6N.,R.5W.,sec.14	23 ¹	16	86 ¹	0.3	-	-	<10	11	30	2.58	855	-	32
0395	B-4	T.6N.,R.5W.,sec.23	23 ¹	16	94 ¹	0.2	-	-	<10	<10	30	2.69	582	-	28
0397	B-4	T.6N.,R.5W.,sec.23	23 ¹	15	86 ¹	0.2	-	-	<10	<10	28	2.81	961	-	28
0398	B-4	T.6N.,R.5W.,sec.23	22 ¹	10	67 ¹	0.1	-	-	<10	<10	23	2.49	561	-	28
0400	B-3	T.7N.,R.4W.,sec.31	28 ¹	14	105 ¹	0.2	-	-	<10	11	20	2.69	305	-	34
0401	B-3	T.7N.,R.4W.,sec.32	23	12	63	0.3	-	-	<10	<10	19	2.38	544	-	35
0402	B-3	T.7N.,R.4W.,sec.32	28	13	100	0.2	-	-	<10	14	23	2.95	786	-	39
0403	B-3	T.7N.,R.4W.,sec.32	26	11	71	0.2	-	-	<10	12	23	2.94	524	-	37
0404	B-3	T.7N.,R.4W.,sec.32	22	10	62	0.1	-	-	<10	11	22	2.66	467	-	33
0406	B-3	T.7N.,R.4W.,sec.32	22	12	72	0.1	-	-	<10	11	20	2.63	519	-	32
0412	C-4	T.8N.,R.6W.,sec.13	35	14	53	0.2	-	<1	<10	46	19	2.15	3440	<1	24
0413	C-4	T.8N.,R.6W.,sec.13	44	12	65	0.1	-	<1	<10	13	16	2.56	609	<1	30
0414	C-4	T.8N.,R.6W.,sec.13	48	10	74	0.2	-	<1	<10	<10	17	2.34	297	<1	29
0416	C-4	T.8N.,R.6W.,sec.13	38	12	80	0.2	-	<1	<10	<10	19	2.67	236	<1	33
0417	C-4	T.8N.,R.5W.,sec.18	59 ²	14	121 ²	0.2	-	<1	<10	-	-	-	-	<1	-
0418	C-4	T.8N.,R.5W.,sec.18	31 ²	14	73 ²	0.2	-	<1	<10	-	-	-	-	<1	-

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad- range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0420	C-4	T.8N.,R.5W.,sec.18	58 ²	13	168 ²	0.2	-	<1	11	-	-	-	-	<1	-
0421	C-4	T.8N.,R.5W.,sec.17	28 ²	11	77 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0422	B-4	T.8N.,R.7W.,sec.26	34 ²	14	74 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0423	B-4	T.8N.,R.7W.,sec.26	37 ²	11	83 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0425	B-4	T.8N.,R.7W.,sec.35	54 ²	11	91 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0426	B-4	T.8N.,R.7W.,sec.35	59 ²	11	87 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0427	B-4	T.8N.,R.7W.,sec.35	48 ²	11	76 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0428	B-4	T.8N.,R.7W.,sec.35	49 ²	12	86 ²	0.2	-	<1	<10	-	-	-	-	<1	-
0430	B-4	T.8N.,R.7W.,sec.36	44 ²	12	77 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0431	B-4	T.8N.,R.7W.,sec.36	43 ²	12	69 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0432	B-4	T.7N.,R.7W.,sec.1	59 ²	13	72 ²	0.2	-	<1	<10	-	-	-	-	<1	-
0434	B-4	T.7N.,R.7W.,sec.1	45	12	97	0.1	-	<1	<10	18	33	3.38	1220	<1	43
0435	C-4	T.9N.,R.5W.,sec.24	63	20	124	0.6	-	3	12	48	54	4.26	3546	<1	71
0436	C-4	T.9N.,R.5W.,sec.26	34	14	21	0.1	-	<1	<10	17	29	3.18	1090	<1	40
0438	C-4	T.9N.,R.5W.,sec.26	28	13	60	0.1	-	<1	<10	16	28	2.83	599	<1	41
0439	C-4	T.9N.,R.5W.,sec.26	24	11	54	0.1	-	<1	<10	<10	27	2.23	415	<1	38
0440	C-4	T.9N.,R.5W.,sec.26	26	12	64	0.1	-	<1	<10	15	30	3.11	1010	<1	39
0441	C-4	T.9N.,R.5W.,sec.26	24	11	63	0.1	-	<1	<10	18	28	2.98	1300	<1	38
0443	C-4	T.9N.,R.5W.,sec.26	18	9	58	<0.1	-	<1	<10	<10	26	2.64	445	<1	34
0444	C-4	T.9N.,R.5W.,sec.27	16	10	56	0.1	-	<1	<10	12	23	2.51	661	<1	34
0445	C-4	T.9N.,R.5W.,sec.27	26	15	70	0.1	-	<1	<10	17	29	3.65	966	<1	36
0446	C-4	T.9N.,R.5W.,sec.27	19	11	57	<0.1	-	<1	<10	15	23	2.84	904	<1	34
0448	C-4	T.9N.,R.5W.,sec.27	23	12	64	0.1	-	<1	<10	11	25	3.04	481	<1	38
0449	C-3	T.8N.,R.4W.	38	6	75	0.1	-	<1	104	27	402	3.13	1170	<1	173
0450	C-3	T.8N.,R.4W.	26	7	57	0.1	-	<1	120	41	737	4.31	713	<1	382
0451	C-3	T.8N.,R.4W.	28	7	73	0.1	-	<1	<10	32	450	4.09	703	<1	305
0453	C-3	T.8N.,R.4W.	25	8	72	0.1	-	<1	<10	20	177	3.06	499	<1	179
0454	C-3	T.8N.,R.4W.	39	8	86	0.1	-	<1	<10	23	236	3.17	651	<1	204
0455	C-3	T.8N.,R.4W.	23	10	73	0.1	-	<1	<10	12	30	3.15	725	<1	38
0457	C-3	T.8N.,R.4W.	19	9	63	<0.1	-	<1	<10	<10	25	2.52	549	<1	38
0458	C-3	T.8N.,R.4W.	25	8	70	0.1	-	<1	<10	17	155	3.01	511	<1	160
0459	C-3	T.8N.,R.4W.	42	11	70	0.1	-	<1	47	15	127	3.31	558	<1	138
0460	C-3	T.8N.,R.4W.	33	10	59	0.1	-	<1	39	11	84	2.66	412	<1	96
0462	C-3	T.8N.,R.4W.	42	16	82	0.1	-	<1	39	16	103	3.57	597	<1	114
0463	C-3	T.8N.,R.4W.	22	10	68	0.1	-	<1	<10	<10	22	2.73	363	<1	30
0464	C-3	T.8N.,R.4W.	54	19	84	0.3	-	<1	31	<10	19	2.29	280	<1	30
0465	C-3	T.8N.,R.4W.	31	13	105	<0.1	-	<1	15	<10	21	1.40	505	<1	20
0466	C-3	T.8N.,R.4W.	46	12	146	0.1	-	<1	33	<10	32	1.92	512	<1	40
0468	C-3	T.8N.,R.4W.	23	9	17	0.1	-	<1	<10	<10	22	2.96	474	<1	31
0469	C-3	T.8N.,R.4W.	17	8	69	0.1	-	<1	<10	<10	19	2.55	363	<1	34
0470	C-3	T.9N.,R.5W.	9	9	52	0.1	-	<1	<10	<10	11	2.49	417	<1	28
0471	C-3	T.9N.,R.5W.	12	8	54	0.1	-	<1	<10	<10	13	2.23	217	<1	27
0472	C-3	T.9N.,R.5W.	15	8	60	<0.1	-	<1	<10	11	17	2.58	497	<1	30
0473	C-3	T.9N.,R.5W.	22	10	73	<0.1	-	<1	<10	11	32	3.22	548	<1	50
0474	C-3	T.9N.,R.5W.	16	8	62	<0.1	-	<1	<10	<10	22	2.70	408	<1	40
0475	C-3	T.9N.,R.5W.	12	7	60	<0.1	-	<1	<10	<10	18	2.45	326	<1	35
0476	C-3	T.9N.,R.5W.	12	8	60	<0.1	-	<1	<10	<10	18	2.47	341	<1	36

¹Atomic-absorption spectrophotometry, DGGS lab

²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad- range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0477	C-3	T.9N.,R.5W.	13	8	60	<0.1	-	<1	<10	<10	17	2.39	319	<1'	33
0478	C-3	T.9N.,R.3W.	9	10	31	0.1	-	<1	<10	<10	10	1.66	134	<1'	26
0479	C-3	T.9N.,R.3W.	16	9	29	0.1	-	<1	<10	<10	10	1.71	136	<1'	26
0481	C-3	T.8N.,R.3W.	30	11	54	0.1	-	<1	<10	<10	15	2.48	156	<1'	34
0482	C-3	T.8N.,R.3W.	31	9	53	0.1	-	<1	<10	<10	15	2.79	304	<1'	29
0483	C-3	T.8N.,R.3W.	17	10	61	0.1	-	<1	<10	<10	16	2.95	223	<1'	29
0484	C-3	T.8N.,R.3W.	15	8	35	<0.1	-	<1	<10	<10	10	1.59	80	<1'	22
0485	C-3	T.8N.,R.3W.	18	9	63	<0.1	-	<1	<10	<10	16	2.61	359	<1'	33
0486	C-3	T.8N.,R.3W.	17	9	63	<0.1	-	<1	<10	<10	15	2.47	389	<1'	29
0487	C-3	T.8N.,R.3W.	17	8	60	0.1	-	<1	<10	<10	14	2.40	416	<1'	30
0488	C-3	T.8N.,R.3W.	31	14	73	0.1	-	<1	<10	16	28	3.38	1090	<1'	56
0490	C-3	T.8N.,R.3W.	40	14	67	0.1	-	<1	<10	18	26	2.17	1100	<1'	42
0491	C-3	T.8N.,R.3W.	31	9	87	0.1	-	<1	<10	14	30	3.07	830	<1'	44
0492	C-3	T.8N.,R.3W.	25	10	71	0.1	-	<1	<10	15	28	3.23	1640	<1'	41
0493	C-3	T.8N.,R.3W.	20	11	80	0.1	-	<1	<10	15	33	3.23	1450	<1'	46
0494	C-3	T.8N.,R.3W.	21	12	88	0.1	-	<1	<10	31	27	3.26	4600	<1'	32
0495	C-3	T.8N.,R.2W.	12	9	55	<0.1	-	<1	<10	<10	18	2.57	370	<1'	46
0496	C-3	T.8N.,R.2W.	9	8	49	<0.1	-	<1	<10	<10	16	2.23	232	<1'	30
0497	C-3	T.8N.,R.2W.	11	8	52	<0.1	-	<1	<10	<10	18	2.35	268	<1'	34
0498	C-3	T.8N.,R.2W.	12	18	56	0.1	-	<1	<10	<10	19	2.57	363	<1'	37
0500	C-3	T.8N.,R.2W.	14	8	62	<0.1	-	<1	<10	<10	22	2.81	428	<1'	39
0501	C-3	T.8N.,R.2W.	14	9	59	0.1	-	<1	<10	<10	21	2.77	381	<1'	42
0502	C-3	T.8N.,R.2W.	19	11	67	0.1	-	<1	<10	14	23	3.10	465	<1'	40
0504	C-3	T.8N.,R.2W.	18	8	72	0.1	-	<1	<10	11	27	3.07	517	<1'	39
0505	C-3	T.8N.,R.2W.	19	8	73	0.1	-	<1	<10	<10	27	3.26	565	<1'	46
0506	C-3	T.8N.,R.2W.	20	9	78	0.1	-	<1	<10	12	30	3.47	638	<1'	45
0507	C-3	T.8N.,R.3W.	19	9	79	0.1	-	<1	<10	13	31	3.31	741	<1'	43
0508	C-3	T.8N.,R.3W.	16	9	75	0.1	-	<1	<10	<10	28	2.80	583	<1'	40
0509	C-3	T.8N.,R.3W.	14	8	74	0.1	-	<1	<10	<10	27	2.75	461	<1'	37
0510	B-3	T.6N.,R.3W.,sec.14	13	26	30	0.3	-	-	<10	<10	11	1.93	49	-	26
0511	B-3	T.6N.,R.3W.,sec.14	44	17	43	0.3	-	-	<10	11	20	3.55	382	-	36
0512	B-3	T.6N.,R.3W.,sec.14	36	16	41	0.2	-	-	<10	12	20	3.33	373	-	34
0513	B-3	T.6N.,R.3W.,sec.14	33	16	43	0.1	-	-	<10	<10	20	2.77	228	-	32
0515	B-3	T.6N.,R.3W.,sec.15	31	18	105	0.1	-	-	<10	24	30	3.93	799	-	27
0516	B-3	T.6N.,R.3W.,sec.15	35	24	128	0.1	-	-	25	17	32	4.36	637	-	17
0517	B-3	T.6N.,R.3W.,sec.10	24	20	81	0.1	-	-	<10	13	22	3.34	599	-	27
0518	B-3	T.6N.,R.3W.,sec.12	31	18	39	0.4	-	-	<10	<10	19	1.81	64	-	31
0519	B-3	T.6N.,R.3W.,sec.12	32	13	95	0.5	-	-	<10	21	47	2.67	815	-	44
0520	B-3	T.6N.,R.3W.,sec.12	29	20	141	0.4	-	-	<10	15	42	2.55	682	-	36
0521	B-3	T.6N.,R.3W.,sec.12	47	15	123	0.1	-	-	15	18	40	4.31	854	-	31
0522	B-3	T.6N.,R.3W.,sec.12	41	26	104	0.2	-	-	<10	14	30	3.85	628	-	20
0523	B-3	T.6N.,R.3W.,sec.11	35	24	97	0.2	-	-	<10	13	27	3.71	586	-	19
0524	B-3	T.6N.,R.3W.,sec.11	35	25	98	0.2	-	-	<10	13	27	3.85	563	-	21
0526	B-3	T.7N.,R.4W.,sec.36	37	23	62	0.3	-	-	<10	11	22	3.26	461	-	36
0527	B-3	T.7N.,R.4W.,sec.36	27	24	64	0.2	-	-	<10	11	24	2.87	419	-	33
0529	B-3	T.6N.,R.4W.,sec.1	33	23	85	0.2	-	-	<10	14	38	3.25	1650	-	43

¹Atomic-absorption spectrophotometry, DGGs lab

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0531	B-3	T.6N.,R.4W.,sec.1	25	24	69	0.1	-	-	40	11	25	3.30	519	-	38
0532	B-3	T.6N.,R.4W.,sec.1	24	17	63	0.1	-	-	<10	11	22	3.37	506	-	32
0533	B-3	T.6N.,R.4W.,sec.12	24	16	66	0.1	-	-	<10	11	23	3.14	405	-	31
0534	B-3	T.6N.,R.4W.,sec.12	19	16	10	0.1	-	-	<10	11	22	2.87	545	-	29
0535	B-3	T.6N.,R.4W.,sec.12	28	22	16	0.1	-	-	<10	16	30	4.73	664	-	39
0536	B-3	T.6N.,R.4W.,sec.12	29	23	71	0.1	-	-	<10	14	25	3.71	616	-	36
0538	B-3	T.6N.,R.4W.,sec.13	24	18	63	<0.1	-	-	<10	11	22	3.05	438	-	31
0539	B-3	T.6N.,R.4W.,sec.13	18	17	61	<0.1	-	-	<10	11	21	3.01	16800	-	30
0540	B-3	T.6N.,R.4W.,sec.4	21	23	78	<0.1	-	-	<10	16	24	3.60	729	-	37
0542	B-3	T.6N.,R.3W.,sec.4	16	20	58	<0.1	-	-	<10	11	19	2.60	456	-	30
0544	B-3	T.7N.,R.4W.,sec.11	28	32	111	0.3	-	-	11	31	32	5.17	4950	-	36
0545	B-3	T.7N.,R.4W.,sec.11	27	28	113	0.2	-	-	13	38	36	5.31	6140	-	36
0546	B-3	T.7N.,R.4W.,sec.2	29	32	132	0.2	-	-	12	51	39	5.71	8590	-	33
0547	B-3	T.7N.,R.4W.,sec.2	17	20	64	0.1	-	-	<10	11	23	3.10	598	-	35
0548	B-3	T.8N.,R.3W.,sec.33	20	17	62	0.1	-	-	<10	<10	21	3.06	350	-	33
0549	C-4	T.10N.,R.6W.,sec.33	20	8	63	0.1	-	-	<10	<10	21	2.35	292	-	36
0550	C-4	T.10N.,R.6W.,sec.33	18	8	68	0.1	-	-	<10	<10	24	2.68	345	-	36
0551	C-4	T.10N.,R.6W.,sec.32	20	8	74	0.1	-	-	<10	11	27	3.02	406	-	39
0552	C-4	T.10N.,R.6W.,sec.33	22	9	70	0.1	-	-	<10	<10	27	2.92	433	-	42
0553	C-4	T.10N.,R.6W.,sec.32	24	10	92	0.2	-	-	<10	15	30	3.55	1450	-	44
0554	C-4	T.10N.,R.6W.,sec.32	19	9	72	<0.1	-	-	<10	<10	24	2.68	670	-	39
0555	C-4	T.10N.,R.6W.,sec.32	21	9	72	0.1	-	-	<10	<10	26	3.04	456	-	38
0556	C-4	T.10N.,R.6W.,sec.29	27	8	81	0.1	-	-	<10	<10	29	2.85	420	-	40
0558	C-4	T.10N.,R.6W.,sec.29	22	8	72	<0.1	-	-	<10	11	26	2.84	675	-	40
0559	C-4	T.10N.,R.6W.,sec.29	21	8	74	<0.1	-	-	<10	<10	26	2.86	511	-	40
0560	C-4	T.10N.,R.6W.,sec.29	14	6	63	0.1	-	-	<10	<10	22	2.61	407	-	38
0561	C-4	T.10N.,R.6W.,sec.20	17	7	62	0.1	-	-	<10	<10	23	2.60	312	-	37
0563	C-4	T.10N.,R.6W.,sec.20	16	8	62	0.1	-	-	<10	<10	23	2.70	387	-	40
0564	C-4	T.10N.,R.6W.,sec.21	22	7	69	<0.1	-	-	<10	11	64	2.83	441	-	128
0565	C-4	T.10N.,R.6W.,sec.31	42	11	73	0.2	-	-	12	12	25	3.39	649	-	47
0567	C-4	T.10N.,R.6W.,sec.31	23	11	68	0.1	-	-	27	<10	25	2.90	388	-	38
0568	C-4	T.10N.,R.6W.,sec.31	22	10	60	0.1	-	-	29	<10	24	2.72	375	-	35
0569	C-4	T.10N.,R.6W.,sec.30	22	10	64	<0.1	-	-	30	<10	23	2.82	301	-	41
0570	C-4	T.10N.,R.5W.,sec.18	18	9	58	<0.1	-	-	28	<10	22	2.71	333	-	39
0571	C-4	T.10N.,R.5W.,sec.18	19	8	59	<0.1	-	-	27	<10	23	2.65	312	-	36
0573	C-4	T.10N.,R.5W.,sec.18	25	9	67	<0.1	-	-	28	<10	25	2.84	435	-	38
0574	C-4	T.10N.,R.5W.,sec.18	20	9	65	<0.1	-	-	27	<10	23	2.88	336	-	40
0576	C-4	T.10N.,R.5W.,sec.18	26	10	64	<0.1	-	-	27	<10	24	2.65	191	-	29
0577	C-4	T.11N.,R.5W.,sec.36	48	13	77	0.1	-	-	28	12	29	3.42	574	-	38
0579	C-4	T.11N.,R.5W.,sec.35	43	9	101	<0.1	-	-	22	41	35	5.23	4800	-	57
0580	C-4	T.11N.,R.5W.,sec.36	33	12	63	<0.1	-	-	26	16	23	4.14	579	-	38
0581	C-4	T.11N.,R.5W.,sec.36	42	9	119	<0.1	-	-	22	18	36	5.12	521	-	59
0583	C-4	T.11N.,R.5W.,sec.36	46	9	178	0.1	-	-	24	25	36	5.03	1620	-	55
0584	C-4	T.9N.,R.6W.,sec.33	24	10	86	0.2	-	-	<10	15	27	3.66	1840	-	37
0585	C-4	T.9N.,R.6W.,sec.33	18	8	65	0.1	-	-	<10	<10	25	2.75	290	-	39
0586	C-4	T.9N.,R.6W.,sec.33	26	10	117	0.2	-	-	22	41	39	5.26	6930	-	40
0587	C-4	T.9N.,R.6W.,sec.32	20	9	62	0.1	-	-	<10	<10	26	2.83	316	-	41

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0588	C-4	T.9N.,R.6W.,sec.32	22	9	72	0.2	-	-	<10	<10	26	2.94	368	-	39
0589	C-4	T.9N.,R.6W.,sec.32	23	10	70	0.1	-	-	<10	<10	27	2.83	567	-	38
0591	C-4	T.9N.,R.6W.,sec.29	19	8	61	0.1	-	-	<10	<10	24	2.56	545	-	36
0593	C-4	T.9N.,R.6W.,sec.29	24	9	72	0.1	-	-	<10	11	27	2.94	699	-	40
0594	C-4	T.9N.,R.6W.,sec.27	19	9	63	0.1	-	-	<10	<10	25	2.95	370	-	41
0595	C-4	T.9N.,R.6W.,sec.27	23	8	65	0.1	-	-	<10	11	27	2.98	471	-	40
0596	C-4	T.9N.,R.6W.,sec.27	18	8	63	0.1	-	-	<10	<10	26	2.94	369	-	42
0597	C-4	T.9N.,R.6W.,sec.27	22	8	65	<0.1	-	-	13	<10	26	2.84	386	-	41
0598	C-4	T.9N.,R.6W.,sec.28	19	7	63	<0.1	-	-	<10	<10	26	2.75	356	-	40
0600	C-4	T.10N.,R.6W.,sec.30	19	9	59	<0.1	-	-	26	<10	22	2.67	325	-	38
0601	C-4	T.10N.,R.6W.,sec.30	18	7	66	<0.1	-	-	25	<10	23	2.97	330	-	38
0602	C-4	T.10N.,R.6W.,sec.30	17	7	62	<0.1	-	-	23	<10	22	2.84	359	-	41
0603	C-4	T.10N.,R.6W.,sec.19	20	10	60	<0.1	-	-	27	<10	24	2.70	338	-	36
0604	C-4	T.10N.,R.6W.,sec.19	17	8	59	<0.1	-	-	27	40	22	2.62	317	-	38
0605	C-4	T.10N.,R.6W.,sec.19	21	8	62	<0.1	-	-	24	<10	23	2.59	291	-	37
0607	B-4	T.5N.,R.7W.,sec.15	14	12	50	0.1	-	-	<10	<10	17	2.74	208	-	32
0608	B-4	T.5N.,R.7W.,sec.15	16	14	53	0.1	-	-	<10	<10	17	2.76	258	-	34
0610	B-4	T.5N.,R.7W.,sec.22	12	9	44	0.1	-	-	<10	<10	14	2.19	183	-	29
0611	B-4	T.5N.,R.7W.,sec.22	15	11	55	0.1	-	-	23	15	21	4.98	806	-	40
0612	B-4	T.5N.,R.7W.,sec.21	16	12	59	0.1	-	-	19	15	19	5.08	960	-	38
0614	B-4	T.5N.,R.6W.,sec.7	31	87	198	0.8	-	-	62	<10	14	2.73	418	-	29
0616	B-4	T.5N.,R.6W.,sec.18	35	84	223	0.8	-	-	66	<10	18	2.74	490	-	36
0618	B-4	T.5N.,R.6W.,sec.7	41	24	95	0.4	-	-	73	15	46	3.61	2671	-	79
0701	B-4	T.7N.,R.6W.,sec.9	48 ¹	13	107 ¹	0.7	-	-	<10	14	102	3.78	571	-	92
0702	B-4	T.7N.,R.6W.,sec.9	48 ¹	12	114 ¹	0.7	-	-	<10	12	100	3.07	1040	-	74
0703	B-4	T.7N.,R.6W.,sec.16	42 ¹	12	114 ¹	0.4	-	-	<10	12	80	3.09	579	-	56
0704	B-4	T.7N.,R.6W.,sec.16	44 ¹	11	99 ¹	0.4	-	-	<10	12	78	2.97	478	-	57
0705	B-4	T.7N.,R.6W.,sec.16	50 ¹	12	90 ¹	0.4	-	-	<10	13	77	3.15	462	-	62
0706	B-4	T.7N.,R.6W.,sec.21	35 ¹	10	74 ¹	0.2	-	-	<10	<10	57	2.55	198	-	56
0707	B-4	T.7N.,R.6W.,sec.21	31 ¹	8	64 ¹	0.2	-	-	<10	<10	59	2.24	180	-	57
0709	C-3	T.9N.,R.4W.	33 ¹	10	70 ¹	0.2	-	-	<10	13	69	3.26	406	-	60
0710	C-3	T.9N.,R.4W.	15 ¹	10	53 ¹	0.1	-	-	23	11	23	2.81	437	-	32
0711	C-3	T.9N.,R.4W.	23 ¹	14	64 ¹	0.2	-	-	24	65	27	4.24	7100	-	26
0712	C-3	T.9N.,R.4W.	22 ¹	9	60 ¹	0.1	-	-	<10	12	34	3.15	360	-	44
0714	C-3	T.9N.,R.4W.	20 ¹	9	58 ¹	0.1	-	-	<10	<10	28	2.86	344	-	37
0715	C-3	T.9N.,R.4W.	19 ¹	9	56 ¹	0.1	-	-	<10	<10	26	2.53	308	-	35
0716	C-3	T.9N.,R.4W.	18 ¹	9	56 ¹	0.1	-	-	<10	<10	26	2.43	276	-	33
0717	C-3	T.9N.,R.4W.	20 ¹	8	59 ¹	0.1	-	-	<10	<10	31	2.59	310	-	36
0719	C-3	T.9N.,R.4W.	19 ¹	9	58 ¹	0.1	-	-	<10	<10	28	2.49	315	-	33
0720	C-3	T.9N.,R.4W.	19 ¹	9	66 ¹	0.1	-	-	<10	<10	30	2.65	380	-	36
0721	C-3	T.9N.,R.4W.	19 ¹	9	71 ¹	0.1	-	-	<10	14	36	3.47	507	-	45
0722	C-3	T.9N.,R.4W.	22 ¹	10	74 ¹	0.1	-	-	<10	11	32	2.96	432	-	42
0723	C-3	T.9N.,R.4W.	19 ¹	10	72 ¹	0.1	-	-	<10	<10	22	2.36	390	-	48
0724	C-3	T.9N.,R.4W.	22 ¹	11	71 ¹	0.1	-	-	<10	11	23	2.47	422	-	41
0725	C-3	T.9N.,R.4W.	19 ¹	10	72 ¹	0.1	-	-	<10	<10	22	2.34	376	-	39
0726	C-3	T.9N.,R.4W.	16 ¹	10	62 ¹	0.1	-	-	<10	<10	20	2.03	246	-	38
0727	C-3	T.8N.,R.3W.	16 ¹	15	56 ¹	0.2	-	-	63	14	20	6.87	386	-	39

¹Atomic-absorption spectrophotometry, DGCS lab

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0728	C-3	T.8N.,R.3W.	17 ¹	14	59 ¹	0.1	-	-	21	<10	21	3.93	209	-	38
0729	C-3	T.8N.,R.3W.	14 ¹	10	53 ¹	0.1	-	-	<10	<10	16	2.20	188	-	31
0730	C-3	T.8N.,R.3W.	12 ¹	10	50 ¹	0.1	-	-	<10	<10	18	2.35	135	-	35
0731	C-3	T.8N.,R.3W.	14 ¹	10	49 ¹	0.1	-	-	<10	<10	17	2.04	129	-	31
0732	C-3	T.8N.,R.4W.	21 ¹	11	60 ¹	<0.1	-	-	<10	<10	20	2.52	326	-	39
0733	C-3	T.8N.,R.4W.	12 ¹	8	46 ¹	0.1	-	-	<10	<10	15	1.67	122	-	32
0734	C-3	T.8N.,R.4W.	13 ¹	8	45 ¹	0.1	-	-	<10	<10	15	1.66	116	-	31
0736	C-3	T.8N.,R.4W.	18 ¹	9	56 ¹	0.1	-	-	<10	<10	17	2.01	184	-	34
0738	C-3	T.8N.,R.4W.	22 ¹	10	66 ¹	0.1	-	-	<10	<10	18	2.56	285	-	27
0739	C-3	T.8N.,R.4W.	23 ¹	10	70 ¹	0.1	-	-	<10	<10	18	2.71	343	-	32
0740	C-3	T.8N.,R.4W.	22 ¹	10	68 ¹	0.1	-	-	<10	<10	18	2.58	330	-	31
0741	C-3	T.8N.,R.4W.	23 ¹	10	71 ¹	0.1	-	-	<10	<10	18	2.62	345	-	33
0742	B-4	T.7N.,R.5W.,sec.35	32 ¹	84 ¹	259 ¹	2.0	-	-	13	15	23	1.91	4770	-	28
0743	B-4	T.7N.,R.5W.,sec.35	27 ¹	67 ¹	188 ¹	2.1	-	-	<10	15	24	2.38	957	-	39
0745	B-3	T.7N.,R.5W.,sec.36	22 ¹	79 ¹	173 ¹	1.4	-	-	<10	36	22	2.64	2730	-	39
0746	B-3	T.7N.,R.5W.,sec.36	14 ¹	33 ¹	105 ¹	0.6	-	-	<10	13	19	2.40	630	-	36
0747	B-3	T.7N.,R.5W.,sec.36	19 ¹	31 ¹	101 ¹	0.5	-	-	<10	12	22	2.79	629	-	38
0748	B-3	T.7N.,R.5W.,sec.36	26 ¹	37 ¹	97 ¹	0.4	-	-	<10	17	21	2.76	1100	-	38
0749	B-3	T.7N.,R.5W.,sec.36	27 ¹	98 ¹	169 ¹	1.5	-	-	15	28	26	3.35	1810	-	44
0751	B-3	T.7N.,R.5W.,sec.25	23 ¹	39 ¹	130 ¹	0.5	-	-	<10	18	25	2.88	969	-	36
0752	B-3	T.7N.,R.5W.,sec.25	29 ¹	28 ¹	73 ¹	0.3	-	-	<10	24	24	3.14	1250	-	36
0753	B-3	T.7N.,R.5W.,sec.25	44 ¹	72 ¹	246 ¹	0.3	-	-	33	33	84	6.13	2560	-	110
0754	B-3	T.7N.,R.5W.,sec.25	19 ¹	12 ¹	61 ¹	0.1	-	-	<10	<10	20	2.25	375	-	29
0755	B-3	T.7N.,R.5W.,sec.25	39 ¹	31 ¹	132 ¹	0.2	-	-	11	19	34	3.83	1040	-	48
0757	B-3	T.7N.,R.5W.,sec.25	42 ¹	12 ¹	76 ¹	0.3	-	-	<10	22	28	2.58	2930	-	32
0758	B-3	T.7N.,R.4W.,sec.30	17 ¹	21 ¹	83 ¹	0.2	-	-	<10	14	22	2.77	788	-	37
0759	B-3	T.7N.,R.4W.,sec.30	25 ¹	20 ¹	128 ¹	0.2	-	-	<10	19	28	3.36	2560	-	37
0760	B-3	T.7N.,R.5W.,sec.13	32 ¹	22 ¹	94 ¹	0.4	-	-	<10	14	28	3.36	1630	-	34
0761	B-3	T.7N.,R.5W.,sec.13	23 ¹	27 ¹	90 ¹	0.2	-	-	<10	11	22	2.70	523	-	35
0762	B-3	T.7N.,R.5W.,sec.12	25 ¹	23 ¹	93 ¹	0.2	-	-	<10	13	24	2.71	861	-	34
0764	B-3	T.7N.,R.5W.,sec.12	24 ¹	25 ¹	91 ¹	0.2	-	-	<10	13	24	2.61	1160	-	30
0765	B-3	T.7N.,R.5W.,sec.13	19 ¹	52 ¹	86 ¹	0.3	-	-	<10	<10	20	2.40	514	-	29
0766	B-3	T.7N.,R.5W.,sec.12	22 ¹	50 ¹	91 ¹	0.2	-	-	<10	<10	21	2.63	548	-	32
0767	B-3	T.7N.,R.4W.,sec.7	21 ¹	50 ¹	96 ¹	0.2	-	-	<10	13	23	2.70	922	-	32
0768	B-3	T.7N.,R.4W.,sec.7	32 ¹	41 ¹	85 ¹	0.4	-	-	98	16	24	3.56	969	-	34
0770	B-3	T.7N.,R.4W.,sec.7	34 ¹	38 ¹	87 ¹	0.3	-	-	-	14	25	3.63	801	-	36
0771	B-3	T.7N.,R.4W.,sec.7	25 ¹	31 ¹	77 ¹	0.1	-	-	47	12	22	2.86	618	-	32
0772	B-3	T.7N.,R.4W.,sec.8	20 ¹	17 ¹	97 ¹	0.1	-	-	<10	17	24	3.09	1860	-	30
0773	B-3	T.7N.,R.4W.,sec.8	26 ¹	33 ¹	86 ¹	0.2	-	-	53	13	23	3.04	685	-	36
0775	B-3	T.7N.,R.4W.,sec.5	24 ¹	30 ¹	86 ¹	0.2	-	-	43	12	23	2.98	728	-	34
0776	B-3	T.7N.,R.4W.,sec.5	25 ¹	32 ¹	94 ¹	0.2	-	-	36	13	24	2.92	677	-	37
0777	B-3	T.7N.,R.4W.,sec.5	24 ¹	33 ¹	93 ¹	0.1	-	-	30	14	25	2.89	807	-	36
0778	B-3	T.7N.,R.4W.,sec.5	23 ¹	17 ¹	80 ¹	0.1	-	-	14	12	28	2.77	674	-	40
0780	B-4	T.6N.,R.5W.,sec.15	37 ¹	26 ¹	141 ¹	0.9	-	-	72	12	31	2.64	870	-	37
0781	B-4	T.6N.,R.5W.,sec.15	33 ¹	49 ¹	150 ¹	1.3	-	-	53	13	29	2.99	1980	-	37
0782	B-4	T.6N.,R.5W.,sec.15	29 ¹	63 ¹	180 ¹	1.2	-	-	15	<10	28	2.20	780	-	28
0783	B-4	T.6N.,R.5W.,sec.15	26 ¹	37 ¹	127 ¹	0.8	-	-	17	<10	23	2.16	787	-	27

¹Atomic-absorption spectrophotometry, DGGs lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0784	B-4	T.6N.,R.5W.,sec.15	19 ¹	29	104 ¹	0.5	-	-	<10	<10	20	2.14	621	-	26
0785	B-4	T.6N.,R.5W.,sec.15	24 ¹	25	101 ¹	0.4	-	-	108	11	23	2.32	617	-	29
0786	B-4	T.6N.,R.5W.,sec.22	20 ¹	16	90 ¹	0.2	-	-	<10	<10	28	2.20	780	-	28
0787	B-4	T.6N.,R.5W.,sec.22	21 ¹	16	89 ¹	0.2	-	-	<10	<10	21	2.28	931	-	28
0788	B-4	T.6N.,R.5W.,sec.22	21 ¹	17	100 ¹	0.3	-	-	<10	<10	23	2.17	823	-	26
0789	B-4	T.6N.,R.5W.,sec.22	21 ¹	23	94 ¹	0.3	-	-	<10	11	28	2.69	999	-	33
0790	B-4	T.6N.,R.5W.,sec.22	15 ¹	19	72 ¹	0.2	-	-	<10	<10	19	2.06	319	-	26
0791	B-4	T.6N.,R.5W.,sec.27	22 ¹	19	72 ¹	0.1	-	-	<10	<10	19	2.17	217	-	25
0792	B-4	T.6N.,R.5W.,sec.27	23 ¹	18	74 ¹	0.1	-	-	<10	<10	20	2.24	219	-	25
0793	B-4	T.6N.,R.5W.,sec.27	21 ¹	15	88 ¹	0.2	-	-	<10	<10	21	2.38	581	-	28
0794	B-4	T.6N.,R.5W.,sec.27	20 ¹	8	57 ¹	0.1	-	-	<10	12	19	2.35	937	-	27
0795	B-4	T.6N.,R.5W.,sec.27	17 ¹	9	79 ¹	0.1	-	-	<10	11	23	2.24	819	-	23
0796	B-4	T.6N.,R.5W.,sec.27	18	9	73	0.1	-	-	<10	<10	20	2.33	846	-	29
0797	B-4	T.6N.,R.5W.,sec.26	17	11	76	0.1	-	-	<10	11	20	2.30	808	-	24
0799	C-4	T.8N.,R.6W.,sec.14	36	15	71	0.1	-	-	<10	18	22	3.17	1150	<1 ¹	30
0801	C-4	T.8N.,R.6W.,sec.14	25	12	54	0.1	-	-	<10	<10	15	2.74	552	<1 ¹	29
0802	C-4	T.8N.,R.6W.,sec.15	27	12	52	0.1	-	-	<10	<10	15	2.51	353	<1 ¹	31
0803	C-4	T.8N.,R.6W.,sec.15	37	14	80	0.1	-	-	<10	13	23	3.91	560	<1 ¹	43
0804	C-4	T.8N.,R.6W.,sec.15	33	15	78	0.1	-	-	<10	17	24	3.51	1910	<1 ¹	41
0805	C-4	T.8N.,R.6W.,sec.15	21	9	61	0.1	-	-	<10	<10	17	2.51	470	<1 ¹	29
0806	C-4	T.8N.,R.6W.,sec.10	32	11	75	0.1	-	-	<10	15	23	3.39	923	<1 ¹	39
0807	C-4	T.8N.,R.6W.,sec.10	25	12	65	0.1	-	-	<10	<10	18	2.72	485	<1 ¹	31
0808	C-4	T.8N.,R.6W.,sec.15	25	11	63	0.1	-	-	<10	11	17	2.58	827	<1 ¹	28
0810	C-4	T.8N.,R.6W.,sec.4	25	11	83	0.1	-	-	<10	12	27	3.21	643	<1 ¹	38
0812	C-4	T.8N.,R.6W.,sec.4	21	10	65	0.1	-	-	<10	<10	21	2.94	686	<1 ¹	37
0813	C-4	T.8N.,R.6W.,sec.4	18	10	67	0.1	-	-	<10	<10	22	2.77	578	<1 ¹	35
0814	C-4	T.8N.,R.6W.,sec.4	18	10	72	0.1	-	-	<10	<10	22	2.80	563	<1 ¹	37
0815	C-4	T.8N.,R.6W.,sec.4	16	8	66	0.1	-	-	<10	<10	20	2.59	543	<1 ¹	36
0816	C-4	T.8N.,R.6W.,sec.3	17	7	65	0.1	-	-	<10	<10	21	2.74	518	<1 ¹	36
0817	C-4	T.8N.,R.6W.,sec.10	15	8	59	0.1	-	-	<10	<10	18	2.46	420	<1 ¹	32
0819	B-4	T.8N.,R.6W.,sec.29	20	9	56	0.2	-	-	<10	42	19	2.01	4400	<1 ¹	23
0820	B-4	T.8N.,R.6W.,sec.29	14	9	75	0.1	-	-	<10	65	17	2.36	6530	<1 ¹	25
0822	B-4	T.8N.,R.6W.,sec.31	22	9	61	0.1	-	<1	<10	<10	18	2.17	523	<1 ¹	37
0823	B-4	T.8N.,R.6W.,sec.31	30	10	75	0.2	-	<1	<10	13	24	2.64	904	<1 ¹	42
0824	B-4	T.8N.,R.6W.,sec.31	33	36 ²	1030 ²	0.1	-	<1	<10	<10	45	2.02	537	5 ¹	35
0825	B-4	T.8N.,R.6W.,sec.31	36	31 ²	976 ²	0.2	-	-	<10	<10	42	1.71	553	-	26
0826	B-4	T.8N.,R.7W.,sec.36	28	25	730	0.1	-	<1	<10	<10	33	1.52	369	5 ¹	28
0827	B-4	T.8N.,R.7W.,sec.36	28	22	794	0.1	-	<1	<10	<10	31	1.52	369	6 ¹	29
0828	B-4	T.7N.,R.7W.,sec.1	26	9	86	0.1	-	<1	<10	11	43	2.98	563	<1 ¹	45
0829	C-4	T.8N.,R.5W.,sec.5	15 ²	10	60 ²	<0.1	-	<1	<10	-	-	-	-	<1 ¹	-
0831	C-4	T.8N.,R.5W.,sec.5	12 ²	8	62 ²	<0.1	-	<1	<10	-	-	-	-	<1 ¹	-
0832	C-4	T.8N.,R.5W.,sec.5	11 ²	7	58 ²	0.1	-	<1	<10	-	-	-	-	<1 ¹	-
0833	C-4	T.9N.,R.5W.,sec.32	14 ²	8	56 ²	<0.1	-	<1	<10	-	-	-	-	<1 ¹	-
0834	C-4	T.9N.,R.5W.,sec.32	12 ²	8	60 ²	0.1	-	<1	<10	-	-	-	-	<1 ¹	-
0835	C-4	T.9N.,R.5W.,sec.32	21 ²	9	59 ²	<0.1	-	<1	<10	-	-	-	-	<1 ¹	-
0836	C-4	T.9N.,R.5W.,sec.32	11 ²	7	58 ²	0.1	-	<1	<10	-	-	-	-	<1 ¹	-

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0837	C-4	T. 9N., R. 5W., sec. 32	13 ¹	8	67 ²	0.1	-	<1	<10	-	-	-	-	<1	-
0838	C-4	T. 8N., R. 5W., sec. 5	17 ¹	11	74 ¹	<0.1	-	<1	<10	-	-	-	-	<1	-
0840	C-4	T. 8N., R. 5W., sec. 5	15 ²	9	62 ²	<0.1	-	<1	<10	-	-	-	-	<1	-
0841	C-4	T. 8N., R. 5W., sec. 6	16 ¹	9	65 ²	<0.1	-	<1	<10	-	-	-	-	<1	-
0842	C-4	T. 9N., R. 5W., sec. 32	14 ¹	7	72 ¹	<0.1	-	<1	<10	-	-	-	-	<1	-
0843	C-4	T. 9N., R. 5W., sec. 32	14 ²	8	76 ¹	<0.1	-	<1	<10	-	-	-	-	<1	-
0844	C-4	T. 9N., R. 5W., sec. 32	14 ²	8	69 ²	<0.1	-	<1	<10	-	-	-	-	<1	-
0845	C-4	T. 9N., R. 5W., sec. 31	15 ²	8	63 ²	<0.1	-	<1	<10	<10	19	2.62	483	<1	31
0846	C-3	T. 8N., R. 4W.	23 ¹	6	40 ¹	<0.1	-	<1	<10	<10	17	2.74	186	<1	36
0847	C-3	T. 8N., R. 4W.	28 ²	10	62 ²	0.1	-	<1	<10	38	42	5.67	1380	<1	69
0848	C-3	T. 8N., R. 4W.	12 ²	14	56 ¹	0.2	-	2	20	183	21	2.02	1210	2	12
0849	C-3	T. 8N., R. 4W.	26 ²	10	284 ¹	0.2	-	<1	<10	312	117	1.32	3170	<1	36
0850	C-3	T. 8N., R. 4W.	16 ¹	10	63 ²	<0.1	-	<1	<10	11	24	2.76	535	<1	35
0851	C-3	T. 8N., R. 4W.	15 ¹	11	78 ¹	<0.1	-	<1	<10	36	30	3.85	3600	<1	35
0852	C-3	T. 8N., R. 4W.	16 ¹	11	79 ¹	<0.1	-	<1	<10	37	30	3.90	3970	<1	37
0853	C-3	T. 8N., R. 4W.	19 ¹	11	55 ²	0.1	-	<1	<10	12	18	4.01	499	<1	27
0854	C-3	T. 8N., R. 4W.	20 ¹	14	57 ²	0.2	-	<1	17	25	19	5.49	977	<1	30
0855	C-3	T. 8N., R. 4W.	16 ¹	9	49 ²	0.1	-	<1	<10	<10	16	4.25	292	<1	26
0856	C-3	T. 8N., R. 4W.	13 ²	9	53 ²	0.1	-	<1	<10	<10	15	2.41	296	<1	25
0857	C-3	T. 8N., R. 4W.	12 ¹	8	51 ²	<0.1	-	<1	<10	<10	15	2.34	245	<1	25
0858	C-3	T. 8N., R. 4W.	18 ¹	10	71 ²	<0.1	-	<1	<10	<10	20	3.76	1390	<1	30
0859	C-3	T. 8N., R. 4W.	16 ¹	10	68 ¹	<0.1	-	<1	<10	<10	19	3.23	612	<1	30
0860	C-3	T. 8N., R. 4W.	20 ¹	12	91 ¹	0.1	-	<1	<10	<10	36	7.91	6840	<1	32
0861	C-3	T. 9N., R. 4W.	28 ¹	17	51 ²	0.2	-	<1	<10	<10	14	3.64	2040	<1	35
0862	C-3	T. 9N., R. 4W.	29 ¹	16	48 ¹	0.1	-	<1	<10	<10	15	3.06	1830	<1	28
0863	C-3	T. 9N., R. 4W.	25 ¹	15	43 ²	0.2	-	<1	<10	<10	14	2.31	258	<1	27
0864	C-3	T. 9N., R. 4W.	23 ²	13	46 ²	0.1	-	<1	<10	<10	15	2.40	366	<1	25
0866	C-3	T. 9N., R. 4W.	13	9	41	<0.1	-	-	16	<10	12	1.85	346	-	25
0867	C-3	T. 9N., R. 4W.	17	10	44	<0.1	-	-	15	<10	13	2.19	655	-	26
0868	C-3	T. 9N., R. 4W.	14	9	42	<0.1	-	-	19	<10	13	2.07	557	-	26
0869	C-3	T. 8N., R. 4W.	23	6	65	<0.1	-	-	25	13	78	2.58	606	-	87
0870	C-3	T. 8N., R. 4W.	17	7	62	<0.1	-	-	38	17	112	3.20	557	-	148
0871	B-3	T. 8N., R. 4W., sec. 30	22	5	69	<0.1	-	-	70	20	141	3.51	659	-	154
0873	B-3	T. 8N., R. 4W., sec. 30	24	6	52	<0.1	-	-	99	18	228	2.91	411	-	176
0874	C-3	T. 8N., R. 4W.	18	4	47	<0.1	-	-	59	16	167	2.41	298	-	135
0875	B-3	T. 8N., R. 4W., sec. 25	25	6	67	0.1	-	-	67	19	167	3.00	479	-	128
0876	B-3	T. 8N., R. 4W., sec. 25	20	6	57	<0.1	-	-	48	19	150	2.81	446	-	125
0880	C-3	T. 9N., R. 3W.	14	7	50	<0.1	-	-	<10	<10	16	2.02	230	-	22
0881	C-3	T. 9N., R. 3W.	21	9	61	0.1	-	-	<10	<10	20	2.62	433	-	27
0882	C-3	T. 9N., R. 3W.	19	9	63	<0.1	-	-	<10	11	20	2.73	636	-	26
0883	C-3	T. 9N., R. 3W.	16	7	53	<0.1	-	-	<10	<10	19	2.15	297	-	27
0885	C-3	T. 9N., R. 3W.	15	7	56	<0.1	-	-	<10	<10	21	2.34	379	-	27
0886	C-3	T. 9N., R. 4W.	15	8	50	<0.1	-	-	<10	<10	15	2.17	209	-	22
0888	C-3	T. 9N., R. 4W.	15	7	51	<0.1	-	-	<10	<10	16	2.13	344	-	22
0889	C-3	T. 9N., R. 4W.	13	7	53	0.1	-	-	<10	<10	14	2.15	521	-	19

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0890	C-3	T.9N.,R.4W.	17	8	68	0.1	-	-	<10	<10	23	2.27	397	-	34
0891	C-3	T.9N.,R.3W.	16	7	55	0.1	-	-	<10	<10	25	2.19	385	-	35
0892	C-3	T.9N.,R.3W.	15	7	62	0.1	-	-	<10	<10	28	2.28	421	-	40
0893	C-3	T.9N.,R.3W.	16	7	56	<0.1	-	-	<10	<10	28	2.31	516	-	37
0895	C-3	T.10N.,R.3W.	14	7	49	<0.1	-	-	<10	<10	28	2.07	329	-	37
0896	B-3	T.7N.,R.3W.,sec.1	35	12	94	0.2	-	-	<10	18	46	3.20	772	-	47
0897	B-3	T.7N.,R.3W.,sec.12	28	10	84	0.3	-	-	<10	15	41	3.05	665	-	46
0899	B-3	T.7N.,R.3W.,sec.12	20	7	67	0.1	-	-	<10	12	32	2.71	551	-	39
0900	B-3	T.7N.,R.3W.,sec.12	30	8	103	0.1	-	-	<10	18	41	4.15	794	-	48
0901	B-3	T.7N.,R.3W.,sec.12	19	7	63	<0.1	-	-	<10	11	28	2.56	587	-	36
0902	B-3	T.6N.,R.3W.,sec.1	14	10	41	0.2	-	-	<10	<10	21	2.22	104	-	34
0903	B-3	T.6N.,R.3W.,sec.1	19	9	38	0.2	-	-	<10	<10	20	1.92	141	-	34
0904	B-3	T.6N.,R.3W.,sec.1	30	10	96	0.2	-	-	<10	20	33	3.10	873	-	40
0905	B-3	T.6N.,R.3W.,sec.1	22	9	76	0.1	-	-	<10	13	25	2.50	608	-	32
0907	B-3	T.6N.,R.3W.,sec.1	27	11	86	0.5	-	-	<10	15	26	3.03	709	-	27
0908	B-3	T.6N.,R.3W.,sec.28	65	14	25	0.1	-	-	<10	<10	16	6.58	65	-	36
0909	B-3	T.6N.,R.3W.,sec.28	22	15	44	0.1	-	-	<10	<10	17	3.25	184	-	31
0910	B-3	T.6N.,R.3W.,sec.21	25	15	45	0.2	-	-	<10	<10	18	3.40	201	-	33
0911	B-3	T.6N.,R.3W.,sec.21	31	13	73	0.2	-	-	<10	12	22	3.23	380	-	38
0912	B-3	T.6N.,R.3W.,sec.21	21	18	83	0.3	-	-	11	11	26	3.23	461	-	25
0913	B-3	T.6N.,R.3W.,sec.21	39	20	146	0.3	-	-	13	16	38	5.27	646	-	15
0914	B-3	T.6N.,R.3W.,sec.21	37	17	133	0.2	-	-	<10	14	34	4.87	602	-	13
0915	B-3	T.6N.,R.3W.,sec.20	35	12	114	0.2	-	-	<10	14	31	4.63	511	-	19
0916	B-3	T.6N.,R.3W.,sec.20	24	19	70	0.3	-	-	<10	<10	20	3.18	310	-	22
0917	B-3	T.6N.,R.3W.,sec.15	30	18	79	0.3	-	-	<10	12	25	3.54	332	-	42
0918	B-3	T.6N.,R.3W.,sec.15	28	17	79	0.2	-	-	<10	12	23	3.18	-	-	34
0919	B-3	T.6N.,R.3W.,sec.16	38	17	138	1.0	-	-	<10	12	34	2.98	343	-	25
0921	B-3	T.6N.,R.3W.,sec.21	19	19	78	0.4	-	-	<10	15	19	2.72	911	-	21
0922	B-3	T.6N.,R.3W.,sec.21	35	20	126	0.7	-	-	<10	12	29	2.92	409	-	24
0923	B-3	T.6N.,R.3W.,sec.25	29	26	72	0.2	-	-	<10	15	27	3.58	586	-	28
0924	B-3	T.6N.,R.3W.,sec.25	33	23	68	0.1	-	-	<10	17	31	3.73	796	-	42
0926	B-3	T.6N.,R.3W.,sec.25	28	22	61	0.1	-	-	<10	15	33	3.45	565	-	34
0927	B-3	T.6N.,R.3W.,sec.25	24	20	63	0.2	-	-	<10	13	33	3.26	537	-	43
0928	B-3	T.6N.,R.3W.,sec.26	25	22	63	0.2	-	-	<10	14	33	3.37	601	-	46
0929	B-3	T.6N.,R.3W.,sec.25	25	20	63	0.1	-	-	<10	14	33	3.38	602	-	39
0930	B-3	T.6N.,R.3W.,sec.24	33	21	95	0.5	-	-	<10	12	33	3.38	485	-	27
0931	B-3	T.6N.,R.3W.,sec.24	32	23	82	0.4	-	-	<10	12	32	3.28	560	-	31
0932	B-3	T.6N.,R.3W.,sec.24	31	23	80	0.4	-	-	<10	12	32	3.22	707	-	30
0933	B-3	T.6N.,R.2W.,sec.19	31	21	92	0.4	-	-	<10	17	41	3.77	1900	-	47
0934	B-3	T.6N.,R.2W.,sec.19	31	23	90	0.4	-	-	<10	16	40	3.67	1780	-	47
0935	B-3	T.6N.,R.2W.,sec.29	14	16	38	0.2	-	-	<10	<10	19	2.28	203	-	30
0936	B-3	T.6N.,R.2W.,sec.32	19	21	84	0.3	-	-	<10	20	27	3.40	778	-	37
0937	B-3	T.6N.,R.2W.,sec.32	17	22	65	0.2	-	-	<10	19	23	3.19	781	-	38
0938	B-3	T.6N.,R.2W.,sec.31	17	23	73	0.2	-	-	<10	20	25	3.05	852	-	30
0939	B-3	T.6N.,R.2W.,sec.31	21	23	93	0.2	-	-	<10	28	26	3.38	2550	-	30
0941	B-3	T.6N.,R.2W.,sec.31	16	20	66	0.2	-	-	<10	17	23	2.93	1680	-	27

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0942	B-3	T.6N.,R.2W.,sec.29	21	25	92	0.2	-	-	<10	19	27	3.53	1550	-	32
0944	B-3	T.6N.,R.2W.,sec.20	17	15	64	0.1	-	-	<10	15	24	3.07	800	-	32
0946	B-3	T.6N.,R.2W.,sec.20	18	16	73	0.1	-	-	<10	16	26	3.27	862	-	35
0947	B-3	T.6N.,R.2W.,sec.19	17	17	68	0.1	-	-	16	16	24	2.96	985	-	33
0948	B-3	T.6N.,R.2W.,sec.19	21	17	103	0.1	-	-	18	28	26	2.87	2740	-	32
0949	C-4	T.10N.,R.6W.,sec.35	38	9	90	0.1	-	-	<10	14	68	3.46	602	-	128
0951	C-4	T.10N.,R.6W.,sec.34	30	9	74	<0.1	-	-	<10	13	66	3.27	505	-	132
0952	C-4	T.10N.,R.6W.,sec.34	30	8	66	<0.1	-	-	<10	14	65	3.04	599	-	128
0953	C-4	T.10N.,R.6W.,sec.27	25	8	67	<0.1	-	-	<10	11	65	3.02	420	-	127
0954	C-4	T.10N.,R.6W.,sec.28	28	9	78	<0.1	-	-	<10	13	67	3.32	644	-	141
0956	C-4	T.10N.,R.6W.,sec.28	25	9	68	<0.1	-	-	<10	12	65	3.01	452	-	136
0957	C-4	T.10N.,R.6W.,sec.28	25	8	71	<0.1	-	-	<10	12	65	2.99	622	-	130
0959	C-4	T.10N.,R.6W.,sec.28	21	6	64	<0.1	-	-	<10	<10	62	2.72	469	-	127
0960	C-4	T.10N.,R.6W.,sec.21	19	7	62	<0.1	-	-	<10	<10	61	2.65	505	-	132
0961	C-4	T.10N.,R.6W.,sec.21	19	6	59	<0.1	-	-	<10	<10	61	2.69	394	-	134
0962	C-4	T.10N.,R.6W.,sec.21	28	9	82	<0.1	-	-	<10	13	69	3.38	587	-	131
0964	C-4	T.11N.,R.5W.,sec.34	28	8	99	<0.1	-	-	<10	14	66	3.96	695	-	133
0965	C-4	T.11N.,R.5W.,sec.34	39	8	88	0.1	-	-	<10	14	66	3.40	754	-	132
0966	C-4	T.11N.,R.5W.,sec.35	38	12	118	0.1	-	-	<10	22	82	4.21	3870	-	143
0968	C-4	T.11N.,R.5W.,sec.35	38	8	79	<0.1	-	-	<10	13	70	3.55	496	-	143
0969	C-4	T.11N.,R.5W.,sec.35	36	8	98	<0.1	-	-	<10	14	75	3.44	884	-	144
0970	C-4	T.10N.,R.5W.,sec.14	26	9	62	<0.1	-	-	<10	11	66	2.91	281	-	130
0972	C-4	T.10N.,R.5W.,sec.11	19	6	61	<0.1	-	-	<10	<10	66	2.73	379	-	133
0973	C-4	T.10N.,R.5W.,sec.11	22	7	69	<0.1	-	-	<10	11	69	3.00	559	-	130
0974	C-4	T.10N.,R.5W.,sec.11	22	7	69	<0.1	-	-	<10	<10	68	2.80	429	-	138
0975	C-4	T.10N.,R.5W.,sec.11	26	6	68	<0.1	-	-	<10	11	68	2.82	454	-	138
0976	C-3	T.10N.,R.5W.	24	8	56	<0.1	-	-	<10	<10	63	2.19	205	-	132
0977	C-3	T.10N.,R.5W.	18	6	57	0.1	-	-	<10	<10	63	2.53	302	-	124
0978	C-3	T.10N.,R.5W.	22	8	59	<0.1	-	-	<10	<10	64	2.67	356	-	119
0979	C-3	T.10N.,R.5W.	24	8	66	<0.1	-	-	<10	11	68	2.85	347	-	133
0980	C-4	T.10N.,R.5W.,sec.25	17	7	54	<0.1	-	-	<10	<10	63	2.47	319	-	127
0981	C-4	T.10N.,R.5W.,sec.26	16	9	63	<0.1	-	-	<10	17	63	3.04	1130	-	130
0982	C-4	T.10N.,R.5W.,sec.26	16	8	59	0.1	-	-	<10	11	61	2.54	545	-	131
0983	C-4	T.10N.,R.5W.,sec.35	18	8	73	0.1	-	-	<10	17	64	3.69	1200	-	130
0984	C-4	T.10N.,R.5W.,sec.34	21	9	69	<0.1	-	-	<10	12	65	2.94	402	-	127
0985	C-4	T.10N.,R.5W.,sec.27	14	9	55	<0.1	-	-	<10	13	59	2.87	646	-	134
0986	C-4	T.10N.,R.5W.,sec.27	14	8	53	<0.1	-	-	<10	<10	58	2.35	371	-	124
0987	C-4	T.10N.,R.5W.,sec.27	17	9	64	<0.1	-	-	<10	11	61	2.71	440	-	125
0988	C-3	T.10N.,R.5W.,sec.27	27	7	53	<0.1	-	-	<10	12	60	2.95	397	-	126
0989	C-4	T.10N.,R.5W.,sec.28	19	7	63	<0.1	-	-	<10	<10	61	2.61	363	-	128
0990	C-4	T.8N.,R.7W.,sec.16	45	13	91	0.1	-	-	<10	26	80	4.13	1530	-	141
0991	C-4	T.8N.,R.7W.,sec.16	41	11	115	0.1	-	-	<10	23	94	4.38	1230	-	151
0992	C-4	T.8N.,R.7W.,sec.15	43	11	93	0.2	-	-	<10	20	83	3.64	1500	-	151
0994	C-4	T.8N.,R.7W.,sec.15	36	11	95	0.1	-	-	<10	23	78	3.21	1400	-	139
0995	C-4	T.8N.,R.7W.,sec.15	29	11	73	0.1	-	-	<10	16	72	3.34	742	-	138
0996	C-4	T.8N.,R.7W.,sec.10	20	10	65	0.1	-	-	<10	<10	65	2.89	283	-	133
0997	C-4	T.8N.,R.7W.,sec.10	21	10	71	0.1	-	-	<10	19	67	3.26	1000	-	129

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0998	C-4	T.8N.,R.7W.,sec.10	19	9	63	<0.1	-	-	<10	12	65	2.71	560	-	126
0999	C-4	T.8N.,R.7W.,sec.10	19	9	71	0.1	-	-	<10	16	65	2.95	982	-	129
1000	C-4	T.8N.,R.7W.,sec.10	15	8	54	<0.1	-	-	<10	<10	60	2.48	267	-	127
1001	C-4	T.8N.,R.7W.,sec.14	17	12	50	<0.1	-	-	<10	<10	61	2.98	265	-	127
1003	C-4	T.8N.,R.7W.,sec.10	20	11	64	0.1	-	-	<10	<10	65	2.80	281	-	130
1004	C-4	T.8N.,R.7W.,sec.10	19	10	61	<0.1	-	-	<10	13	65	3.03	539	-	136
1005	C-4	T.8N.,R.7W.,sec.10	17	8	63	<0.1	-	-	<10	14	65	2.92	726	-	131
1006	C-4	T.8N.,R.7W.,sec.10	20	9	70	<0.1	-	-	<10	16	67	3.01	1040	-	138
1007	C-4	T.8N.,R.7W.,sec.3	18	8	58	<0.1	-	-	<10	11	65	2.51	600	-	134
1008	C-4	T.8N.,R.7W.,sec.3	23	9	74	<0.1	-	-	<10	12	69	3.18	546	-	136
1009	C-4	T.8N.,R.7W.,sec.3	20	8	70	<0.1	-	-	<10	13	67	3.09	657	-	128
1010	C-4	T.8N.,R.7W.,sec.3	15	7	56	<0.1	-	-	<10	12	62	2.58	611	-	135
1011	B-4	T.5N.,R.7W.,sec.12	16	21	50	0.2	-	-	12	<10	57	2.63	176	-	128
1013	B-4	T.5N.,R.7W.,sec.12	17	19	48	0.2	-	-	117	12	58	5.69	555	-	130
1014	B-4	T.5N.,R.7W.,sec.12	23	16	47	<0.1	-	-	13	<10	57	2.68	222	-	130
1015	B-4	T.5N.,R.7W.,sec.12	18	22	53	0.1	-	-	14	<10	55	3.02	259	-	130
1016	B-4	T.5N.,R.7W.,sec.11	15	16	43	0.1	-	-	26	12	55	3.14	574	-	122
1017	B-4	T.5N.,R.7W.,sec.11	19	19	56	0.2	-	-	46	24	60	4.29	1500	-	135
1018	B-4	T.5N.,R.7W.,sec.11	18	16	47	0.1	-	-	14	<10	58	2.84	473	-	133
1020	B-4	T.5N.,R.7W.,sec.11	16	10	57	0.1	-	-	12	13	62	3.11	595	-	130
1021	B-4	T.5N.,R.7W.,sec.10	18	11	54	0.1	-	-	<10	11	62	3.02	370	-	140
1022	B-4	T.5N.,R.7W.,sec.10	19	8	55	<0.1	-	-	<10	<10	63	2.63	446	-	135
1041	B-4	T.7N.,R.6W.,sec.10	32 ¹	9	84 ¹	0.3	-	-	<10	26	295	2.94	277	-	121
1042	B-4	T.7N.,R.6W.,sec.10	39 ¹	16	103 ¹	0.4	-	-	<10	30	326	3.56	675	-	239
1043	B-4	T.7N.,R.6W.,sec.10	33 ¹	13	56 ¹	0.1	-	-	<10	26	393	2.93	437	-	231
1044	B-4	T.7N.,R.6W.,sec.10	45 ¹	11	91 ¹	0.3	-	-	<10	30	355	3.50	705	-	228
1045	B-4	T.7N.,R.6W.,sec.15	24 ¹	7	70 ¹	0.1	-	-	<10	28	178	2.22	1220	-	87
1046	B-4	T.7N.,R.6W.,sec.10	31 ¹	8	72 ¹	0.2	-	-	<10	22	196	2.39	592	-	111
1048	C-3	T.9N.,R.3W.	13 ¹	8	27 ¹	0.1	-	-	<10	<10	10	1.47	52	-	20
1050	C-4	T.9N.,R.3W.	15 ¹	9	38 ¹	<0.1	-	-	<10	<10	14	1.79	85	-	28
1051	C-3	T.8N.,R.3W.	16 ¹	9	49 ¹	0.1	-	-	<10	<10	13	1.78	116	-	21
1052	C-3	T.8N.,R.4W.	21 ¹	9	65 ¹	0.1	-	-	<10	<10	18	2.39	301	-	23
1053	C-3	T.8N.,R.4W.	19 ¹	9	59 ¹	0.1	-	-	<10	<10	17	2.40	281	-	28
1054	C-3	T.8N.,R.4W.	20 ¹	10	59 ¹	0.1	-	-	<10	14	17	2.72	558	-	26
1055	C-3	T.8N.,R.4W.	23 ¹	10	75 ¹	0.1	-	-	<10	12	19	2.55	602	-	27
1056	C-3	T.8N.,R.4W.	13 ¹	8	53 ¹	0.1	-	-	<10	<10	15	2.08	162	-	27
1057	C-3	T.8N.,R.4W.	22 ¹	10	42 ¹	0.1	-	-	<10	<10	15	2.12	145	-	25
1059	C-3	T.8N.,R.4W.	21 ¹	10	42 ¹	0.1	-	-	<10	<10	16	2.27	176	-	24
1060	C-3	T.8N.,R.4W.	21 ¹	14	52 ¹	0.1	-	-	<10	<10	21	2.75	181	-	26
1061	C-3	T.8N.,R.4W.	18 ¹	11	45 ¹	0.1	-	-	<10	<10	18	2.18	167	-	30
1062	C-3	T.8N.,R.4W.	22 ¹	11	58 ¹	<0.1	-	-	<10	11	22	2.58	395	-	31
1064	C-3	T.8N.,R.4W.	19 ¹	15	70 ¹	0.1	-	-	<10	16	20	2.81	616	-	31
1065	C-3	T.8N.,R.4W.	22 ¹	17	61 ¹	0.2	-	-	<10	47	19	6.79	2830	-	23
1066	C-3	T.8N.,R.4W.	14 ¹	9	53 ¹	<0.1	-	-	<10	<10	16	1.80	173	-	22
1067	C-3	T.8N.,R.4W.	15 ¹	11	57 ¹	<0.1	-	-	<10	<10	16	1.95	235	-	24
1068	C-3	T.8N.,R.4W.	15 ¹	10	59 ¹	<0.1	-	-	<10	<10	17	2.02	239	-	19
1069	C-3	T.8N.,R.4W.	20 ¹	13	72 ¹	0.1	-	-	<10	12	20	2.88	427	-	27

¹Atomic-absorption spectrophotometry, DGGs lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1071	C-3	T.8N.,R.4W.	16 ¹	11	64 ¹	<0.1	-	-	<10	<10	19	2.32	355	-	23
1072	C-3	T.8N.,R.4W.	18 ¹	12	60 ¹	<0.1	-	-	<10	<10	18	2.26	251	-	25
1073	B-3	T.7N.,R.5W.,sec.24	44 ¹	20	88 ¹	0.5	-	-	<10	19	37	4.22	990	-	49
1075	B-3	T.7N.,R.5W.,sec.24	47 ¹	24	89 ¹	0.5	-	-	<10	19	39	4.25	770	-	54
1076	B-4	T.7N.,R.5W.,sec.26	22 ¹	10	63 ¹	0.1	-	-	<10	<10	18	1.50	517	-	19
1077	B-4	T.7N.,R.5W.,sec.26	19 ¹	17	59 ¹	<0.1	-	-	<10	15	21	2.71	960	-	31
1078	B-4	T.7N.,R.5W.,sec.26	22 ¹	10	63 ¹	0.1	-	-	<10	13	27	2.73	521	-	37
1079	B-4	T.7N.,R.5W.,sec.26	28 ¹	11	58 ¹	<0.1	-	-	<10	12	22	2.62	459	-	37
1081	B-4	T.7N.,R.5W.,sec.26	27 ¹	18	59 ¹	0.1	-	-	<10	12	24	2.22	701	-	35
1082	B-4	T.7N.,R.5W.,sec.23	28 ¹	11	51 ¹	0.1	-	-	<10	12	22	2.47	524	-	32
1083	B-4	T.7N.,R.5W.,sec.26	70 ¹	29	249 ¹	1.1	-	-	13	25	42	3.84	1400	-	54
1085	B-4	T.7N.,R.5W.,sec.26	50 ¹	22	131 ¹	0.3	-	-	<10	18	37	3.52	1290	-	43
1086	B-4	T.7N.,R.5W.,sec.26	50 ¹	43	152 ¹	0.7	-	-	<10	25	40	3.83	1430	-	53
1088	B-4	T.7N.,R.5W.,sec.26	39 ¹	19	77 ¹	0.2	-	-	<10	16	33	3.19	727	-	43
1089	B-4	T.7N.,R.5W.,sec.26	37 ¹	17	117 ¹	0.2	-	-	<10	19	40	3.84	897	-	50
1090	B-4	T.7N.,R.5W.,sec.34	40 ¹	33	131 ¹	0.3	-	-	<10	18	42	3.94	961	-	50
1091	B-4	T.7N.,R.5W.,sec.34	35 ¹	31	115 ¹	0.2	-	-	<10	16	35	3.53	806	-	44
1092	B-4	T.7N.,R.5W.,sec.34	25 ¹	9	69 ¹	0.1	-	-	<10	15	30	3.09	4590	-	31
1093	B-4	T.7N.,R.5W.,sec.34	36 ¹	23	104 ¹	0.3	-	-	<10	15	32	3.13	800	-	41
1094	B-4	T.7N.,R.5W.,sec.34	34 ¹	27	104 ¹	0.3	-	-	<10	15	33	3.11	1570	-	37
1095	B-4	T.7N.,R.5W.,sec.34	35 ¹	37	169 ¹	0.4	-	-	<10	11	27	2.51	975	-	31
1096	B-4	T.7N.,R.5W.,sec.33	72 ¹	25	116 ¹	0.3	-	-	<10	18	43	3.76	873	-	43
1097	B-4	T.7N.,R.5W.,sec.33	28 ¹	33	97 ¹	0.2	-	-	<10	13	29	2.88	863	-	31
1100	B-4	T.7N.,R.5W.,sec.33	31 ¹	32	106 ¹	0.2	-	-	<10	16	33	3.16	1030	-	38
1101	B-4	T.7N.,R.5W.,sec.33	23 ¹	26	85 ¹	0.2	-	-	<10	13	26	2.92	706	-	35
1102	B-4	T.6N.,R.5W.,sec.3	49 ¹	73	276 ¹	2.1	-	-	73	15	35	3.06	1520	-	35
1103	B-4	T.6N.,R.5W.,sec.2	31 ¹	40	148 ¹	1.2	-	-	44	13	29	2.83	911	-	31
1104	B-4	T.6N.,R.5W.,sec.10	30 ¹	34	182 ¹	1.0	-	-	31	11	23	2.16	2950	-	24
1105	B-4	T.6N.,R.5W.,sec.3	44 ¹	42	182 ¹	0.9	-	-	80	30	43	4.37	8710	-	40
1106	B-4	T.6N.,R.5W.,sec.10	32 ¹	32	151 ¹	0.8	-	-	24	12	27	2.69	1010	-	28
1107	B-4	T.6N.,R.5W.,sec.11	34 ¹	33	133 ¹	0.6	-	-	20	14	28	2.79	1400	-	29
1108	B-4	T.6N.,R.5W.,sec.10	41 ¹	24	144 ¹	0.7	-	-	<10	15	25	1.64	2900	-	20
1109	B-4	T.6N.,R.5W.,sec.11	32 ¹	37	142 ¹	0.6	-	-	29	14	29	3.10	2850	-	30
1110	B-4	T.6N.,R.5W.,sec.14	27 ¹	13	82 ¹	0.4	-	-	<10	<10	24	1.56	1900	-	18
1111	B-4	T.6N.,R.5W.,sec.11	20 ²	22	115 ²	0.3	-	<1	22	-	-	-	-	<1	-
1112	B-4	T.6N.,R.5W.,sec.14	20 ²	22	109 ²	0.4	-	<1	20	-	-	-	-	<1	-
1113	B-4	T.6N.,R.5W.,sec.14	22 ²	22	132 ²	0.4	-	<1	20	-	-	-	-	<1	-
1114	B-4	T.6N.,R.5W.,sec.14	22 ²	15	95 ²	0.2	-	<1	13	-	-	-	-	<1	-
1115	B-4	T.6N.,R.5W.,sec.14	19 ²	16	95 ²	0.2	-	<1	13	-	-	-	-	<1	-
1116	B-3	T.6N.,R.5W.,sec.24	20 ²	16	95 ²	0.2	-	<1	<10	-	-	-	-	<1	-
1117	C-4	T.8N.,R.6W.,sec.15	19	8	66	0.1	-	-	<10	<10	19	2.47	414	-	28
1119	C-4	T.8N.,R.6W.,sec.15	18	7	57	0.1	-	-	<10	<10	17	2.26	356	-	25
1120	C-4	T.8N.,R.6W.,sec.15	19	10	59	0.1	-	-	<10	12	16	2.61	608	-	27
1121	C-4	T.8N.,R.6W.,sec.15	22	8	59	0.1	-	-	<10	<10	17	2.37	499	-	25
1122	C-4	T.8N.,R.6W.,sec.15	17	6	56	<0.1	-	-	<10	<10	16	2.19	856	-	25
1123	C-4	T.8N.,R.6W.,sec.15	36	11	65	0.1	-	-	<10	15	20	2.91	856	-	25
1124	C-4	T.8N.,R.6W.,sec.15	23	7	55	0.1	-	-	<10	<10	16	2.26	436	-	23

¹Atomic-absorption spectrophotometry, DGGs lab

²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1125	C-4	T. 8N., R. 6W., sec. 16	29	12	69	0.1	-	-	<10	12	21	2.95	699	-	27
1126	C-4	T. 8N., R. 6W., sec. 16	28	9	62	0.2	-	-	<10	11	19	2.66	539	-	25
1128	C-4	T. 8N., R. 6W., sec. 16	18	8	62	0.1	-	-	<10	<10	17	2.52	410	-	23
1129	C-4	T. 8N., R. 6W., sec. 16	32	11	68	0.1	-	-	<10	15	20	3.01	761	-	27
1130	C-4	T. 8N., R. 6W., sec. 8	28	5	74	0.1	-	-	<10	<10	30	2.36	706	-	36
1131	C-4	T. 8N., R. 6W., sec. 8	41	6	93	0.2	-	-	<10	<10	27	2.73	720	-	31
1133	C-4	T. 8N., R. 6W., sec. 8	45	9	93	0.2	-	-	<10	12	36	3.53	532	-	44
1134	C-4	T. 8N., R. 6W., sec. 8	45	10	108	0.3	-	-	<10	15	34	3.60	735	-	40
1135	C-4	T. 8N., R. 6W., sec. 8	42	9	74	0.2	-	-	<10	11	28	3.02	558	-	33
1136	C-4	T. 8N., R. 6W., sec. 8	43	10	106	0.2	-	-	<10	15	33	3.66	813	-	36
1137	C-4	T. 8N., R. 6W., sec. 9	27	9	67	0.1	-	-	<10	<10	24	2.67	469	-	28
1138	B-4	T. 7N., R. 6W., sec. 3	19	6	70	0.2	-	-	<10	33	358	3.83	606	-	255
1139	B-4	T. 7N., R. 6W., sec. 3	21	4	58	0.1	-	-	<10	21	275	3.33	620	-	187
1140	B-4	T. 7N., R. 6W., sec. 3	21	12	68	<0.1	-	-	<10	25	242	3.33	620	-	197
1142	B-4	T. 7N., R. 6W., sec. 3	18	63	60	0.1	-	-	<10	25	282	3.06	418	-	212
1143	B-4	T. 7N., R. 6W., sec. 3	20	12	75	0.1	-	-	<10	30	290	3.65	955	-	256
1144	B-4	T. 7N., R. 6W., sec. 3	19	5	62	0.1	-	-	<10	14	127	2.59	470	-	91
1145	B-3	T. 8N., R. 6W., sec. 34	20	5	64	<0.1	-	-	<10	18	177	3.02	444	-	134
1146	B-4	T. 8N., R. 6W., sec. 34	19	6	62	<0.1	-	-	<10	17	143	3.10	403	-	107
1147	B-4	T. 7N., R. 6W., sec. 2	40	4	52	<0.1	-	-	<10	17	268	2.63	269	-	198
1148	B-4	T. 7N., R. 6W., sec. 2	12	5	29	<0.1	<1	<1	<10	40	18	2.53	219	1	34
1150	B-4	T. 7N., R. 6W., sec. 1	26	6	53	0.1	-	-	<10	21	225	3.10	494	-	163
1151	B-4	T. 7N., R. 6W., sec. 1	28	8	73	0.1	-	-	<10	25	236	3.85	2000	-	144
1152	B-4	T. 7N., R. 6W., sec. 1	24	4	56	0.1	-	-	<10	41	582	3.93	860	-	407
1153	C-4	T. 8N., R. 7W., sec. 12	28	11	102	0.1	-	-	<10	11	23	2.84	700	-	23
1154	C-4	T. 8N., R. 7W., sec. 12	24	8	70	0.1	-	-	<10	<10	21	2.50	341	-	22
1155	C-4	T. 8N., R. 7W., sec. 12	20	8	61	0.1	-	-	<10	<10	18	2.31	361	-	28
1156	C-4	T. 8N., R. 6W., sec. 7	18	9	65	0.1	-	-	<10	<10	20	2.29	305	-	30
1157	C-4	T. 8N., R. 6W., sec. 18	20	12	100	0.2	-	-	<10	26	27	3.69	5140	-	28
1159	C-4	T. 8N., R. 6W., sec. 18	30	10	66	0.1	-	-	<10	15	27	3.50	2040	-	34
1160	C-4	T. 8N., R. 6W., sec. 18	28	11	73	0.1	-	-	<10	15	28	3.29	2460	-	31
1161	C-4	T. 8N., R. 6W., sec. 18	27	9	70	0.1	-	-	<10	11	20	2.55	1090	-	26
1162	C-4	T. 8N., R. 6W., sec. 18	22	9	68	0.1	-	-	<10	11	23	2.78	1360	-	29
1163	C-4	T. 8N., R. 6W., sec. 18	14	7	52	<0.1	-	-	<10	<10	16	2.14	247	-	22
1164	C-4	T. 8N., R. 6W., sec. 18	20	9	79	<0.1	-	-	<10	11	20	2.79	743	-	24
1166	C-4	T. 8N., R. 6W., sec. 18	16	7	62	-	-	-	<10	<10	17	2.48	676	-	23
1167	C-4	T. 8N., R. 6W., sec. 17	17	7	55	<0.1	-	-	<10	<10	17	2.23	282	-	22
1168	C-4	T. 8N., R. 6W., sec. 17	18	7	71	<0.1	-	-	<10	<10	19	2.66	776	-	24
1169	C-4	T. 8N., R. 6W., sec. 17	17	9	64	0.1	-	-	<10	<10	18	2.61	420	-	27
1170	C-4	T. 8N., R. 6W., sec. 17	19	9	74	0.1	-	-	<10	11	19	2.81	790	-	25
1172	C-4	T. 8N., R. 6W., sec. 20	18	7	68	0.1	-	-	<10	11	18	2.65	735	-	24
1173	C-3	T. 9N., R. 4W.	18	7	122	0.1	-	-	16	42	22	5.31	13300	-	24
1174	C-3	T. 9N., R. 4W.	20	9	80	0.1	-	-	<10	13	20	2.73	1780	-	24
1175	C-3	T. 9N., R. 4W.	37	8	77	0.1	-	-	<10	13	25	2.63	1380	-	35
1176	C-3	T. 9N., R. 4W.	18	8	63	0.1	-	-	<10	<10	18	2.47	339	-	28
1177	C-3	T. 9N., R. 4W.	21	8	71	0.1	-	-	<10	<10	17	2.13	279	-	26

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1178	C-3	T. 9N., R. 4W.	23	7	84	0.1	-	-	<10	16	20	2.81	2190	-	27
1179	C-3	T. 9N., R. 4W.	17	7	58	0.1	-	-	<10	<10	17	2.23	258	-	29
1180	C-3	T. 9N., R. 4W.	18	7	61	0.1	-	-	<10	<10	17	2.30	275	-	31
1181	C-3	T. 8N., R. 4W.	11	10	47	0.1	-	-	<10	<10	14	2.34	161	-	29
1186	C-3	T. 9N., R. 4W.	13	16	42	0.1	-	-	<10	<10	13	2.43	112	-	22
1187	C-3	T. 9N., R. 4W.	11	13	46	0.1	-	-	<10	<10	12	1.95	232	-	17
1188	C-3	T. 9N., R. 4W.	21	16	67	0.4	-	-	<10	60	18	2.48	6310	-	18
1192	C-3	T. 8N., R. 4W.	14	13	55	0.1	-	-	<10	<10	14	2.37	478	-	21
1194	C-3	T. 8N., R. 4W.	19	11	59	0.1	-	-	<10	<10	16	2.39	221	-	23
1195	C-3	T. 8N., R. 4W.	16	11	56	0.2	-	-	<10	<10	16	2.37	223	-	21
1196	C-3	T. 8N., R. 4W.	25	10	73	0.2	-	-	<10	14	20	1.94	2020	-	14
1197	C-3	T. 8N., R. 4W.	26	15	64	0.2	-	-	<10	11	21	3.03	530	-	26
1198	C-3	T. 8N., R. 4W.	19	10	45	<0.1	-	-	<10	<10	14	2.19	254	-	21
1199	C-3	T. 9N., R. 3W.	22	13	61	0.1	-	-	<10	<10	20	2.67	239	-	23
1201	C-3	T. 9N., R. 3W.	22	13	93	0.1	-	-	<10	24	30	3.70	1530	-	34
1202	C-3	T. 9N., R. 3W.	38	16	97	0.1	-	-	<10	13	31	3.33	345	-	34
1203	C-3	T. 9N., R. 3W.	22	11	66	<0.1	-	-	<10	<10	20	2.36	369	-	23
1204	C-3	T. 9N., R. 3W.	20	12	65	<0.1	-	-	<10	11	21	2.45	379	-	25
1205	C-3	T. 9N., R. 3W.	15	10	58	<0.1	-	-	<10	<10	17	2.24	324	-	20
1206	C-3	T. 9N., R. 3W.	16	10	48	<0.1	-	-	<10	<10	19	2.20	512	-	24
1207	C-3	T. 9N., R. 3W.	17	7	73	0.1	-	-	<10	12	22	2.67	690	-	35
1208	C-3	T. 9N., R. 3W.	19	7	71	<0.1	-	-	<10	11	22	2.62	440	-	37
1210	C-3	T. 9N., R. 3W.	19	7	42	<0.1	-	-	<10	<10	15	2.25	137	-	25
1211	C-3	T. 9N., R. 3W.	29	8	46	0.1	-	-	<10	<10	20	1.96	221	-	34
1213	C-3	T. 9N., R. 3W.	16	9	51	0.1	-	-	<10	<10	24	2.29	371	-	34
1214	C-3	T. 9N., R. 3W.	15	10	59	0.2	-	-	<10	16	26	2.80	808	-	37
1215	B-3	T. 7N., R. 2W., sec. 32	40	12	145	0.9	-	-	<10	15	49	3.25	499	-	44
1216	B-3	T. 7N., R. 2W., sec. 32	29	11	107	0.5	-	-	-	<10	24	2.84	317	<1	34
1218	B-3	T. 7N., R. 2W., sec. 32	14	10	70	0.2	-	-	<10	15	26	2.31	282	-	34
1219	B-2	T. 7N., R. 2W., sec. 30	11	9	75	0.1	-	-	<10	<10	25	2.38	259	-	33
1220	B-3	T. 7N., R. 2W., sec. 30	8	8	64	0.1	-	-	<10	<10	25	2.38	259	-	33
1221	B-3	T. 7N., R. 2W., sec. 30	10	9	66	0.1	-	-	<10	<10	25	2.54	324	-	34
1222	B-3	T. 7N., R. 2W., sec. 30	7	8	63	0.1	-	-	<10	<10	24	2.54	463	-	38
1223	B-3	T. 7N., R. 2W., sec. 30	7	8	59	0.1	-	-	<10	<10	23	2.40	293	-	32
1224	B-3	T. 7N., R. 3W., sec. 24	7	8	58	<0.1	-	-	<10	<10	22	2.37	293	-	33
1226	B-3	T. 7N., R. 3W., sec. 24	5	7	53	<0.1	-	-	<10	<10	20	2.19	259	-	30
1227	B-3	T. 7N., R. 3W., sec. 24	12	10	65	0.1	-	-	<10	<10	24	2.74	389	-	33
1228	B-3	T. 7N., R. 3W., sec. 24	12	9	68	<0.1	-	-	<10	<10	24	2.75	389	-	31
1229	B-3	T. 6N., R. 3W., sec. 27	44	21	125	0.6	-	-	<10	16	36	3.31	2090	-	20
1230	B-3	T. 6N., R. 3W., sec. 34	23	20	70	0.1	-	-	<10	15	20	5.71	808	-	24
1232	B-3	T. 6N., R. 3W., sec. 34	34	22	92	0.2	-	-	<10	18	35	4.23	624	-	28
1233	B-3	T. 6N., R. 3W., sec. 34	26	20	75	0.2	-	-	<10	13	25	3.44	653	-	23
1234	B-3	T. 6N., R. 3W., sec. 34	30	21	72	0.6	-	-	<10	13	22	3.31	1160	-	30
1235	B-3	T. 6N., R. 3W., sec. 34	33	19	168	0.4	-	-	<10	13	34	2.98	1170	-	23

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1236	B-3	T.6N.,R.3W.,sec.34	40	20	138	0.5	-	-	<10	12	32	3.13	664	-	24
1238	B-3	T.6N.,R.3W.,sec.34	35	19	135	0.4	-	-	<10	14	33	3.54	797	-	25
1238	B-3	T.6N.,R.3W.,sec.34	21	8	42	0.1	<1	<1	~	<10	26	2.76	267	<1	34
1240	B-3	T.6N.,R.3W.,sec.34	30	21	113	0.3	-	-	<10	14	31	3.40	662	-	27
1241	B-3	T.5N.,R.3W.,sec.3	27	19	95	0.3	-	-	<10	12	25	3.83	697	-	23
1242	B-3	T.5N.,R.3W.,sec.3	27	16	98	0.3	-	-	<10	11	25	2.82	662	-	24
1244	B-3	T.5N.,R.3W.,sec.3	29	18	104	0.4	-	-	<10	13	28	3.07	826	-	24
1245	B-3	T.7N.,R.3W.,sec.35	17	17	52	0.2	-	-	<10	<10	18	3.09	341	-	31
1246	B-3	T.7N.,R.3W.,sec.35	18	20	61	0.3	-	-	<10	12	20	3.12	428	-	34
1247	B-3	T.6N.,R.3W.,sec.2	19	21	73	0.2	-	-	<10	12	20	3.21	405	-	33
1248	B-3	T.6N.,R.3W.,sec.2	12	18	55	0.1	-	-	<10	<10	16	2.84	299	-	24
1249	B-3	T.6N.,R.3W.,sec.2	16	18	61	0.2	-	-	<10	<10	18	3.29	254	-	30
1250	B-3	T.7N.,R.3W.,sec.31	23	19	65	0.3	-	-	<10	13	23	3.43	613	-	32
1251	B-3	T.6N.,R.3W.,sec.6	30	21	88	0.3	-	-	<10	13	29	3.44	678	-	28
1252	B-3	T.6N.,R.3W.,sec.6	21	18	62	0.3	-	-	<10	<10	21	2.71	665	-	26
1253	B-3	T.5N.,R.2W.,sec.18	17	18	70	0.1	-	-	<10	20	19	2.74	677	-	19
1254	B-3	T.5N.,R.2W.,sec.7	24	23	91	0.1	-	-	<10	19	32	3.96	902	-	24
1256	B-3	T.5N.,R.2W.,sec.7	23	21	76	0.1	-	-	<10	17	26	3.09	624	-	23
1257	B-3	T.5N.,R.2W.,sec.7	20	18	78	0.1	-	-	<10	16	26	3.39	466	-	22
1258	B-3	T.5N.,R.3W.,sec.13	19	17	62	0.1	-	-	<10	11	20	2.62	419	-	20
1259	B-3	T.5N.,R.3W.,sec.13	21	19	72	0.1	-	-	<10	15	24	3.02	707	-	22
1260	B-3	T.5N.,R.3W.,sec.13	21	18	61	0.1	-	-	<10	12	20	2.72	699	-	25
1261	B-3	T.5N.,R.3W.,sec.13	21	18	83	0.1	-	-	<10	12	21	2.70	620	-	22
1263	B-3	T.5N.,R.3W.,sec.14	43	23	106	0.1	-	-	<10	<10	56	3.97	500	-	49
1264	B-3	T.5N.,R.2W.,sec.18	19	22	78	<0.1	-	-	<10	16	31	2.88	1020	-	41
1265	B-3	T.5N.,R.3W.,sec.13	15	19	69	<0.1	-	-	<10	14	28	2.66	641	-	37
1266	B-3	T.5N.,R.3W.,sec.13	19	20	85	0.1	-	-	<10	17	33	2.99	848	-	37
1268	B-3	T.5N.,R.3W.,sec.13	18	12	56	0.1	-	-	<10	13	25	2.85	626	-	34
1269	B-3	T.5N.,R.3W.,sec.13	19	18	70	<0.1	-	-	<10	15	33	3.11	593	-	38
1270	B-3	T.5N.,R.3W.,sec.14	21	21	74	<0.1	-	-	<10	16	33	3.29	654	-	38
1271	B-3	T.5N.,R.3W.,sec.14	16	11	64	0.1	-	-	<10	15	25	3.41	642	-	31
1272	B-3	T.5N.,R.3W.,sec.14	20	12	62	<0.1	-	-	<10	11	29	2.87	429	-	40
1273	B-3	T.5N.,R.3W.,sec.14	23	17	67	<0.1	-	-	<10	13	31	3.06	528	-	41
1274	C-4	T.10N.,R.7W.,sec.36	24 ¹	9	61 ¹	<0.1	-	-	<10	12	65	3.11	489	-	133
1275	C-4	T.10N.,R.7W.,sec.26	19 ²	8	59 ²	0.1	-	-	<10	<10	65	2.74	356	-	130
1276	C-4	T.10N.,R.7W.,sec.26	24 ²	10	80 ¹	0.1	-	-	<10	14	68	3.65	458	-	124
1277	C-4	T.10N.,R.7W.,sec.26	17 ¹	7	60 ²	0.1	-	-	<10	<10	62	2.75	362	-	126
1278	C-4	T.10N.,R.7W.,sec.16	19 ¹	8	63 ¹	0.1	-	-	<10	11	64	3.16	609	-	134
1279	C-4	T.10N.,R.7W.,sec.23	18 ¹	8	70 ¹	<0.1	-	-	<10	11	65	2.99	456	-	134
1281	C-4	T.10N.,R.7W.,sec.24	17 ²	8	61 ²	0.1	-	-	<10	<10	63	2.68	354	-	130
1282	C-4	T.10N.,R.7W.,sec.24	16 ²	6	61 ²	<0.1	-	-	<10	<10	63	2.65	327	-	129
1283	C-4	T.10N.,R.7W.,sec.24	16 ²	6	61 ²	<0.1	-	-	<10	<10	62	2.63	316	-	127
1284	C-4	T.10N.,R.5W.,sec.22	16 ²	9	56 ¹	<0.1	-	-	<10	11	62	3.03	306	-	125
1285	C-4	T.10N.,R.5W.,sec.22	19 ²	7	62 ²	<0.1	-	-	<10	11	65	2.87	338	-	132
1287	C-4	T.10N.,R.5W.,sec.22	19 ²	7	58 ¹	<0.1	-	-	<10	12	65	3.18	371	-	132
1288	C-4	T.10N.,R.5W.,sec.15	20 ²	8	67 ¹	<0.1	-	-	<10	12	64	3.04	571	-	128
1289	C-4	T.10N.,R.5W.,sec.15	19 ²	7	67 ¹	<0.1	-	-	<10	12	64	2.88	560	-	127

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1290	C-4	T.10N.,R.5W.,sec.16	20 ²	7	64 ²	<0.1	-	-	<10	<10	65	2.77	325	-	136
1291	C-4	T.10N.,R.5W.,sec.16	20 ²	8	69 ²	0.1	-	-	<10	11	67	2.91	473	-	130
1292	C-4	T.10N.,R.5W.,sec.15	22 ²	9	76 ²	0.1	-	-	<10	12	69	3.20	533	-	133
1293	C-4	T.10N.,R.5W.,sec.10	20 ²	8	83 ²	0.1	-	-	<10	13	67	3.20	716	-	136
1294	C-4	T.10N.,R.5W.,sec.10	19	7	71	0.1	-	-	<10	11	66	3.02	541	-	131
1295	C-4	T.10N.,R.5W.,sec.10	16	8	63	<0.1	-	-	<10	<10	22	2.44	372	-	24
1296	C-4	T.10N.,R.5W.,sec.9	22	9	78	0.1	-	-	<10	13	74	2.82	777	-	130
1297	C-4	T.10N.,R.5W.,sec.9	26	12	81	0.2	-	-	<10	18	79	3.57	1670	-	133
1299	C-4	T.10N.,R.5W.,sec.9	28	13	81	0.1	-	-	<10	15	79	3.55	1020	-	146
1300	C-4	T.10N.,R.6W.,sec.36	54	12	76	0.1	-	-	<10	24	70	4.16	1140	-	128
1301	C-4	T.10N.,R.5W.,sec.31	31	11	71	0.1	-	-	<10	12	71	3.49	452	-	125
1302	C-4	T.9N.,R.5W.,sec.6	19	8	61	0.1	-	-	<10	<10	69	2.71	347	-	118
1303	C-4	T.9N.,R.5W.,sec.6	27	9	69	0.1	-	-	<10	11	70	3.38	396	-	132
1304	C-4	T.9N.,R.5W.,sec.6	23	8	13	0.1	-	-	<10	13	69	3.23	634	-	131
1306	C-4	T.9N.,R.5W.,sec.7	31	8	71	0.1	-	-	<10	13	68	3.98	409	-	130
1307	C-4	T.9N.,R.5W.,sec.7	20	9	69	0.1	-	-	<10	11	69	3.47	353	-	131
1308	C-4	T.9N.,R.5W.,sec.7	22	10	68	0.1	-	-	<10	12	67	3.14	603	-	131
1309	C-4	T.9N.,R.5W.,sec.7	18	8	61	0.1	-	-	<10	<10	64	2.76	347	-	122
1310	B-4	T.8N.,R.7W.,sec.33	46	15	74	0.2	-	-	<10	22	69	3.78	1410	-	141
1312	B-4	T.8N.,R.7W.,sec.33	43	15	73	0.2	-	-	<10	15	71	3.35	709	-	133
1313	B-4	T.8N.,R.7W.,sec.4	56	16	107	0.3	-	-	<10	20	74	3.75	1250	-	133
1314	B-4	T.7N.,R.7W.,sec.3	65	14	108	0.2	-	-	<10	13	78	3.45	639	-	133
1315	B-4	T.7N.,R.7W.,sec.3	63	12	157	0.2	-	-	<10	16	85	3.87	957	-	132
1316	B-4	T.7N.,R.7W.,sec.3	64	12	172	0.2	-	-	<10	22	90	4.06	1650	-	130
1318	B-4	T.8N.,R.7W.,sec.34	31	11	57	0.2	-	-	<10	17	63	3.12	648	-	126
1319	B-4	T.8N.,R.7W.,sec.34	44	14	85	0.2	-	-	<10	15	70	3.48	846	-	131
1320	B-4	T.7N.,R.7W.,sec.3	45	13	90	0.2	-	-	<10	14	68	3.40	748	-	117
1321	B-4	T.7N.,R.7W.,sec.3	51	15	120	0.2	-	-	<10	18	78	3.51	1210	-	133
1322	B-4	T.7N.,R.7W.,sec.2	44	14	126	0.2	-	-	<10	19	83	3.78	1220	-	132
1323	B-4	T.5N.,R.7W.,sec.1	28	14	54	0.4	-	-	<10	<10	69	2.68	287	-	124
1324	B-4	T.5N.,R.7W.,sec.1	21	14	46	0.2	-	-	<10	<10	67	2.30	290	-	132
1325	B-4	T.5N.,R.7W.,sec.1	19	12	65	0.2	-	-	<10	11	71	2.94	505	-	133
1327	B-4	T.5N.,R.7W.,sec.2	21	13	65	0.2	-	-	<10	12	70	2.99	611	-	126
1328	B-4	T.5N.,R.7W.,sec.2	18	11	62	0.1	-	-	<10	24	70	3.17	1450	-	125
1329	B-4	T.5N.,R.7W.,sec.2	18	11	65	0.1	-	-	<10	23	69	3.04	1620	-	124
1330	B-4	T.5N.,R.7W.,sec.3	17	11	59	0.1	-	-	<10	11	67	3.00	564	-	122
1331	B-4	T.5N.,R.7W.,sec.10	15	12	54	0.1	-	-	<10	<10	61	2.56	176	-	112
1332	B-4	T.5N.,R.7W.,sec.10	16	15	60	0.1	-	-	<10	<10	62	3.41	327	-	117
1333	B-4	T.5N.,R.7W.,sec.10	22	16	72	0.1	-	-	<10	23	67	4.02	1560	-	125
1335	B-4	T.5N.,R.7W.,sec.9	20	14	56	<0.1	-	-	<10	<10	65	2.52	311	-	124
1336	B-4	T.5N.,R.7W.,sec.10	18	15	58	0.1	-	-	<10	<10	67	2.80	333	-	129
1337	B-4	T.5N.,R.7W.,sec.10	20	16	77	0.1	-	-	34	35	68	7.65	3460	-	-
1401	C-3	T.9N.,R.3W.	14 ²	8	49 ²	0.1	-	<1	<10	-	-	-	-	1 ¹	-
1402	C-3	T.9N.,R.3W.	18 ²	10	49 ²	0.1	-	<1	<10	-	-	-	-	1 ¹	-
1403	C-3	T.9N.,R.3W.	10 ²	10	48 ²	0.1	-	<1	<10	-	-	-	-	1 ¹	-
1404	C-3	T.9N.,R.3W.	10 ²	10	47 ²	<0.1	-	<1	<10	-	-	-	-	1 ¹	-

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1405	C-3	T. 9N., R. 3W.	12 ²	10	47 ²	<0.1	-	<1	<10	-	-	-	-	<1 ¹	-
1406	C-3	T. 9N., R. 3W.	12 ²	11	68 ²	0.1	-	<1	25	-	-	-	-	<1 ¹	-
1407	C-3	T. 9N., R. 3W.	11 ²	10	56 ²	<0.1	-	<1	<10	-	-	-	-	<1 ¹	-
1408	C-3	T. 9N., R. 3W.	24 ²	11	71 ²	0.1	-	<1	<10	-	-	-	-	<1 ¹	-
1409	C-3	T. 9N., R. 3W.	12 ²	13	73 ²	0.1	-	<1	<10	-	-	-	-	<1 ¹	-
1410	C-3	T. 9N., R. 3W.	12 ²	12	77 ²	0.1	-	<1	-	-	-	-	-	-	-
1411	C-3	T. 9N., R. 3W.	21	12	73	0.1	-	<1	17	<10	19	1.99	185	<1 ¹	31
1412	C-3	T. 9N., R. 3W.	14	17	96	0.1	-	<1	34	27	26	7.64	1585	<1 ¹	39
1413	C-3	T. 9N., R. 3W.	9	10	87	0.1	-	<1	<10	<10	22	2.76	409	<1 ¹	36
1414	C-3	T. 9N., R. 3W.	9	11	67	0.1	-	<1	<10	<10	18	1.75	146	<1 ¹	29
1415	C-3	T. 9N., R. 3W.	12	9	46	0.1	-	<1	<10	<10	14	1.73	202	<1 ¹	25
1416	C-3	T. 9N., R. 3W.	14	11	51	0.1	-	<1	<10	<10	13	1.84	177	<1 ¹	19
1417	C-3	T. 9N., R. 3W.	27	12	41	0.2	-	<1	24	<10	13	2.13	248	<1 ¹	19
1418	C-3	T. 9N., R. 3W.	14	10	54	0.1	-	<1	<10	<10	14	1.95	205	<1 ¹	21
1420	C-3	T. 9N., R. 3W.	13	9	51	0.1	-	<1	<10	<10	13	1.84	187	<1 ¹	18
1421	C-3	T. 9N., R. 3W.	13	11	55	0.1	-	<1	<10	<10	14	2.04	384	<1 ¹	22
1422	C-3	T. 9N., R. 3W.	14	9	52	<0.1	-	<1	<10	<10	13	2.00	259	<1 ¹	20
1423	C-3	T. 9N., R. 3W.	12	8	51	<0.1	-	<1	<10	<10	12	2.10	297	<1 ¹	19
1424	C-3	T. 9N., R. 3W.	19	10	59	0.2	-	<1	<10	<10	16	2.29	343	<1 ¹	21
1425	C-3	T. 9N., R. 3W.	15	10	58	0.1	-	<1	<10	<10	14	2.13	294	<1 ¹	20
1426	C-3	T. 9N., R. 3W.	18	10	73	<0.1	-	<1	<10	11	18	2.51	398	<1 ¹	22
1427	C-3	T. 9N., R. 3W.	14	10	55	<0.1	-	<1	<10	<10	14	2.11	435	<1 ¹	18
1428	C-3	T. 8N., R. 3W.	23	13	39	0.2	-	<1	<10	<10	13	2.22	113	<1 ¹	24
1429	C-3	T. 8N., R. 3W.	22	13	30	0.3	-	<1	<10	<10	10	1.50	60	<1 ¹	15
1430	C-3	T. 8N., R. 3W.	16	11	39	0.2	-	<1	<10	<10	11	2.14	92	<1 ¹	16
1431	C-3	T. 8N., R. 3W.	20	15	35	0.2	-	<1	<10	<10	12	4.54	88	<1 ¹	18
1432	C-3	T. 8N., R. 3W.	21	10	35	0.1	-	<1	<10	<10	17	6.82	63	<1 ¹	16
1434	C-3	T. 8N., R. 3W.	20	11	44	0.1	-	<1	<10	<10	16	2.06	93	<1 ¹	23
1435	C-3	T. 8N., R. 3W.	29	14	45	0.1	-	<1	22	<10	23	1.03	92	<1 ¹	28
1436	B-3	T. 7N., R. 4W., sec. 19	38	17	70	0.5	-	<1	<10	13	35	3.68	593	<1 ¹	54
1438	B-3	T. 7N., R. 4W., sec. 19	20	11	64	0.1	-	<1	<10	<10	23	2.59	511	<1 ¹	32
1439	B-3	T. 7N., R. 4W., sec. 19	19	12	57	0.1	-	<1	<10	<10	22	2.63	335	<1 ¹	33
1440	B-3	T. 7N., R. 4W., sec. 20	18	10	58	0.1	-	<1	<10	<10	21	2.65	396	<1 ¹	28
1441	B-3	T. 7N., R. 4W., sec. 20	22	12	57	<0.1	-	<1	<10	<10	21	2.79	359	<1 ¹	34
1442	B-3	T. 7N., R. 4W., sec. 20	23	11	67	0.1	-	<1	<10	22	26	5.17	2240	<1 ¹	33
1443	B-3	T. 7N., R. 4W., sec. 20	26	21	51	0.4	-	<1	<10	<10	16	2.31	207	<1 ¹	32
1444	B-3	T. 7N., R. 4W., sec. 20	43	30	130	1.2	-	<1	12	16	31	3.50	1140	<1 ¹	43
1445	B-3	T. 7N., R. 4W., sec. 20	21	14	70	0.2	-	<1	20	<10	18	2.66	352	<1 ¹	31
1447	B-3	T. 7N., R. 4W., sec. 20	19	14	69	0.1	-	<1	15	<10	17	2.44	334	<1 ¹	28
1448	B-3	T. 7N., R. 4W., sec. 20	21	11	70	0.1	-	<1	<10	<10	19	2.56	327	<1 ¹	27
1449	B-3	T. 7N., R. 4W., sec. 20	21	12	73	0.2	-	<1	<10	<10	20	2.62	458	<1 ¹	26
1450	B-3	T. 7N., R. 4W., sec. 20	20	10	69	0.1	-	<1	<10	<10	20	2.73	465	<1 ¹	27
1451	B-3	T. 7N., R. 4W., sec. 30	25	16	100	0.2	-	<1	<10	18	26	3.28	1460	<1 ¹	33
1454	B-3	T. 7N., R. 4W., sec. 20	21	13	86	0.1	-	<1	<10	14	25	3.20	788	<1 ¹	33
1457	B-3	T. 7N., R. 4W., sec. 20	16	12	77	0.1	-	<1	<10	11	20	2.88	656	<1 ¹	33
1459	B-3	T. 7N., R. 4W., sec. 20	20	10	87	0.1	-	<1	<10	24	24	3.35	3310	<1 ¹	27

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1460	B-3	T.7N.,R.4W.,sec.20	20	13	81	0.1	-	<1	<10	<10	21	2.80	690	<1	27
1461	B-3	T.7N.,R.4W.,sec.20	20	9	66	<0.1	-	<1	<10	<10	19	2.76	429	<1	28
1463	B-3	T.7N.,R.5W.,sec.13	24	20	75	0.3	-	<1	<10	17	21	3.28	1080	<1	39
1464	B-3	T.7N.,R.5W.,sec.13	31	28	88	0.7	-	<1	78	18	24	3.77	1190	<1	38
1465	B-3	T.7N.,R.5W.,sec.13	45	54	128	1.5	-	<1	<10	14	32	3.87	727	<1	45
1466	B-3	T.7N.,R.5W.,sec.13	33	25	72	0.6	-	<1	180	18	23	4.44	922	<1	36
1468	B-3	T.7N.,R.5W.,sec.13	24	41	109	0.7	-	<1	<10	11	23	3.34	492	<1	38
1469	B-3	T.7N.,R.5W.,sec.13	34	25	78	0.4	-	<1	194	18	24	4.57	1160	<1	37
1470	B-3	T.7N.,R.5W.,sec.12	19	51	98	0.3	-	<1	<10	12	20	2.88	1040	<1	29
1471	B-3	T.7N.,R.5W.,sec.36	29	12	81	0.6	-	<1	<10	12	24	2.91	750	<1	33
1472	B-3	T.7N.,R.5W.,sec.36	38	14	118	0.5	-	<1	<10	14	33	3.80	757	<1	41
1473	B-3	T.7N.,R.5W.,sec.36	35	17	129	0.6	-	<1	<10	21	30	3.57	1230	<1	45
1474	B-3	T.6N.,R.5W.,sec.1	27	15	111	0.6	-	<1	<10	<10	23	2.53	588	<1	32
1475	B-3	T.6N.,R.5W.,sec.1	31	19	104	0.7	-	<1	<10	12	27	2.56	833	<1	31
1477	B-3	T.6N.,R.5W.,sec.1	34	30	135	0.6	-	<1	<10	13	29	2.98	1100	<1	39
1478	B-3	T.6N.,R.5W.,sec.1	33	36	127	0.7	-	<1	11	13	26	2.80	1500	<1	36
1479	B-3	T.6N.,R.5W.,sec.1	36	42	543	0.6	-	<1	72	35	61	4.26	6590	<1	33
1480	B-3	T.6N.,R.5W.,sec.12	24	23	154	0.3	-	<1	40	<10	21	2.65	579	<1	25
1481	B-4	T.6N.,R.5W.,sec.2	31	43	187	1.0	-	<1	12	14	27	2.66	786	3	35
1482	B-4	T.6N.,R.5W.,sec.2	23	22	126	0.6	-	<1	11	<10	22	2.35	912	<1	31
1483	B-4	T.6N.,R.5W.,sec.2	30	34	180	0.8	-	<1	18	11	26	2.61	823	<1	34
1484	B-4	T.6N.,R.5W.,sec.2	26	19	110	0.5	-	<1	11	13	26	2.92	2400	<1	35
1485	B-3	T.6N.,R.5W.,sec.1	25	26	194	0.7	-	<1	15	16	26	2.74	8110	<1	28
1486	B-3	T.6N.,R.5W.,sec.12	28	26	164	0.5	-	<1	21	14	31	3.12	2400	<1	-
1487	B-3	T.6N.,R.5W.,sec.12	21	19	135	0.3	-	<1	12	12	26	2.75	1570	<1	-
1488	B-3	T.6N.,R.5W.,sec.12	23	15	98	0.2	-	<1	11	12	26	2.89	741	<1	33
1489	B-3	T.6N.,R.5W.,sec.12	21	21	167	0.3	-	<1	14	11	23	2.64	675	<1	26
1490	C-4	T.8N.,R.6W.,sec.24	90	13	157	0.4	-	-	<10	12	36	3.25	601	-	44
1492	C-4	T.8N.,R.6W.,sec.24	40	11	97	0.2	-	-	<10	13	24	3.22	870	-	35
1493	C-4	T.8N.,R.6W.,sec.24	32	11	91	0.1	-	-	<10	14	22	3.04	1040	-	33
1494	B-4	T.8N.,R.6W.,sec.24	54	13	158	0.1	-	-	<10	24	55	4.69	833	-	55
1495	B-4	T.8N.,R.6W.,sec.25	35	10	135	0.1	-	-	<10	19	44	4.14	916	-	46
1496	B-4	T.8N.,R.6W.,sec.26	35	9	133	<0.1	-	-	<10	18	44	4.08	703	-	45
1498	B-4	T.8N.,R.6W.,sec.26	27	9	115	0.1	-	-	<10	21	34	3.02	2470	-	38
1499	B-4	T.8N.,R.6W.,sec.26	31	10	140	0.1	-	-	<10	17	41	4.33	1160	-	43
1500	B-4	T.8N.,R.6W.,sec.26	32	8	120	0.1	-	-	<10	16	40	3.67	782	-	41
1501	B-4	T.8N.,R.6W.,sec.26	47	13	177	<0.1	-	-	<10	22	51	3.99	1770	-	48
1503	B-4	T.8N.,R.6W.,sec.26	23	9	117	<0.1	-	-	<10	16	42	3.42	736	-	44
1504	B-4	T.7N.,R.6W.,sec.7	7	5	62	0.1	-	-	<10	12	95	2.62	335	-	85
1505	B-4	T.7N.,R.6W.,sec.7	15	5	70	0.1	-	-	<10	25	296	3.07	483	-	215
1507	B-4	T.7N.,R.6W.,sec.7	11	6	67	0.1	-	-	<10	14	118	2.81	372	-	93
1508	B-4	T.7N.,R.6W.,sec.6	13	8	73	0.1	-	-	<10	16	184	2.65	622	-	117
1509	B-4	T.7N.,R.6W.,sec.6	10	5	72	<0.1	-	-	<10	13	112	2.88	350	-	92
1510	B-4	T.7N.,R.6W.,sec.6	12	6	73	<0.1	-	-	<10	13	102	2.82	338	-	78
1512	B-4	T.7N.,R.7W.,sec.1	26	5	78	<0.1	-	-	<10	29	270	4.25	976	-	172
1513	B-4	T.7N.,R.7W.,sec.1	18	4	75	0.1	-	-	<10	33	537	4.02	908	-	255
1514	B-4	T.7N.,R.7W.,sec.12	13	5	76	<0.1	-	-	<10	20	198	3.19	446	-	166

¹Atomic-absorption spectrophotometry, DGGs lab

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1516	B-4	T.7N.,R.7W.,sec.12	14	8	73	<0.1	-	-	<10	<10	39	2.93	364	-	41
1517	B-4	T.7N.,R.7W.,sec.12	15	10	119	0.1	-	-	<10	11	74	3.12	487	-	71
1519	B-4	T.7N.,R.7W.,sec.12	10	10	116	0.1	-	-	<10	<10	84	2.90	270	-	83
1520	B-4	T.7N.,R.7W.,sec.12	9	5	68	<0.1	-	-	<10	13	117	2.75	337	-	113
1521	C-4	T.8N.,R.6W.,sec.7	13	7	70	<0.1	-	-	<10	<10	21	2.46	302	-	31
1522	C-4	T.8N.,R.6W.,sec.7	12	8	76	0.1	-	-	<10	<10	21	2.56	405	-	31
1523	C-4	T.8N.,R.6W.,sec.6	11	8	68	0.1	-	-	<10	<10	20	2.49	354	-	31
1524	C-4	T.8N.,R.6W.,sec.6	8	7	74	<0.1	-	-	<10	<10	19	2.64	230	-	30
1525	C-4	T.8N.,R.6W.,sec.6	18	7	76	0.1	-	-	<10	12	22	2.60	872	-	28
1526	C-4	T.8N.,R.6W.,sec.6	8	6	61	0.1	-	-	<10	<10	19	2.38	329	-	27
1528	C-4	T.8N.,R.6W.,sec.5	12	9	74	0.1	-	-	<10	11	23	3.31	579	-	31
1529	C-4	T.8N.,R.6W.,sec.5	70	8	91	0.1	-	-	<10	20	27	3.26	1890	-	25
1530	C-4	T.8N.,R.6W.,sec.6	12	8	88	<0.1	-	-	<10	13	23	4.09	1090	-	27
1531	C-4	T.8N.,R.6W.,sec.6	11	6	68	<0.1	-	-	<10	12	20	2.57	1010	-	24
1532	C-4	T.8N.,R.6W.,sec.6	9	6	64	<0.1	-	-	<10	<10	19	2.36	344	-	25
1533	C-4	T.9N.,R.6W.,sec.31	13	8	74	<0.1	-	-	<10	11	24	2.86	857	-	26
1534	C-4	T.8N.,R.6W.,sec.6	12	8	74	<0.1	-	-	<10	11	22	2.79	606	-	26
1535	C-4	T.8N.,R.7W.,sec.1	13	7	67	0.2	-	-	<10	70	20	2.52	383	-	23
1536	C-4	T.8N.,R.7W.,sec.1	9	6	58	0.1	-	-	<10	<10	17	2.22	255	-	21
1537	C-4	T.9N.,R.6W.,sec.31	13	6	79	0.1	-	-	<10	<10	23	3.10	458	-	33
1538	C-4	T.9N.,R.6W.,sec.31	9	7	67	<0.1	-	-	<10	<10	18	2.33	425	-	24
1541	C-3	T.9N.,R.4W.	23	11	83	0.1	-	-	<10	12	28	2.99	255	-	40
1542	C-3	T.9N.,R.4W.	17	8	105	0.2	-	-	<10	26	22	2.82	1380	-	26
1543	C-3	T.9N.,R.4W.	14	7	74	0.2	-	-	50	34	24	8.41	4820	-	21
1544	C-3	T.9N.,R.4W.	9	7	63	0.1	-	-	38	18	19	5.92	2320	-	20
1545	C-3	T.9N.,R.4W.	21	12	74	0.2	-	-	15	12	26	3.81	844	-	33
1546	C-3	T.8N.,R.4W.	21	10	70	0.1	-	-	<10	12	24	3.13	585	-	27
1547	C-3	T.8N.,R.4W.	23	9	79	0.1	-	-	<10	<10	28	2.12	202	-	42
1549	C-3	T.9N.,R.4W.	11	7	63	0.1	-	-	<10	13	19	2.91	845	-	23
1550	C-3	T.9N.,R.4W.	14	7	79	0.2	-	-	<10	23	22	2.95	2950	-	18
1551	C-3	T.9N.,R.4W.	8	7	50	0.1	-	-	<10	<10	16	2.10	208	-	20
1552	C-3	T.9N.,R.4W.	197	8	113	0.1	-	-	<10	<10	15	2.72	151	-	18
1553	C-3	T.9N.,R.4W.	16	11	60	0.1	-	-	<10	<10	20	2.49	324	-	29
1555	C-3	T.8N.,R.4W.	16	9	62	0.1	-	-	<10	12	30	3.01	556	-	34
1557	C-3	T.8N.,R.4W.	19	8	65	0.1	-	-	<10	12	53	2.97	562	-	54
1558	C-3	T.8N.,R.4W.	20	9	68	<0.1	-	-	<10	13	27	3.45	672	-	39
1560	C-3	T.8N.,R.4W.	21	8	69	0.1	-	-	<10	13	47	3.28	643	-	53
1561	B-3	T.8N.,R.4W.,sec.26	15	8	56	0.1	-	-	<10	13	32	3.38	565	-	41
1562	B-3	T.8N.,R.4W.,sec.26	15	8	82	0.1	-	-	<10	14	33	2.83	2710	-	35
1563	B-3	T.8N.,R.4W.,sec.25	16	8	147	0.1	-	-	<10	43	46	5.52	4610	-	31
1564	C-4	T.8N.,R.5W.,sec.2	8	9	73	<0.1	-	-	<10	<10	16	1.97	268	-	20
1565	C-4	T.8N.,R.5W.,sec.2	32	7	62	0.1	-	-	<10	<10	22	2.27	297	-	29
1567	C-3	T.8N.,R.3W.	35	28	34	0.2	-	-	<10	<10	13	3.53	179	-	43
1568	C-3	T.8N.,R.3W.	18	7	35	0.1	-	-	98	<10	18	1.16	269	-	22
1569	C-3	T.8N.,R.3W.	20	7	51	0.2	-	-	105	24	20	1.23	1200	-	17
1570	C-3	T.8N.,R.3W.	18	18	34	0.2	-	-	<10	19	12	2.45	839	-	16
1571	C-3	T.8N.,R.3W.	17	21	28	0.1	-	-	<10	<10	<10	1.84	13300	-	17

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1573	C-3	T.8N.,R.3W.	13	10	46	<0.1	-	-	28	<10	14	4.21	10500	-	16
1574	C-3	T.8N.,R.3W.	28	22	33	0.3	-	-	32	<10	10	2.24	10900	-	20
1575	C-3	T.8N.,R.3W.	10	9	63	0.1	-	-	15	11	18	4.24	430	-	19
1576	C-3	T.8N.,R.3W.	14	11	34	0.1	-	-	<10	<10	17	2.83	254	-	21
1577	C-3	T.8N.,R.3W.	9	10	57	0.2	-	-	53	<10	15	3.46	253	-	20
1578	C-3	T.8N.,R.3W.	12	8	63	0.1	-	-	<10	<10	15	2.05	340	-	16
1579	C-3	T.8N.,R.3W.	15	9	126	0.2	-	-	<10	77	23	4.60	9730	-	17
1580	C-3	T.8N.,R.3W.	10	9	48	0.1	-	-	<10	<10	15	1.98	198	-	18
1581	C-3	T.8N.,R.3W.	7	7	49	<0.1	-	-	<10	<10	14	1.94	182	-	16
1582	C-3	T.8N.,R.3W.	7	7	51	0.1	-	-	<10	<10	14	1.95	171	-	16
1583	C-3	T.8N.,R.3W.	9	9	55	0.1	-	-	<10	<10	13	2.26	377	-	16
1584	C-3	T.8N.,R.3W.	12	8	72	0.1	-	-	<10	11	18	2.75	456	-	22
1585	C-3	T.8N.,R.3W.	12	8	55	0.1	-	-	<10	<10	18	2.40	273	-	20
1586	C-3	T.8N.,R.3W.	15	9	58	0.1	-	-	<10	<10	18	2.37	283	-	19
1587	C-3	T.8N.,R.3W.	54	8	35	0.1	-	-	<10	<10	10	1.63	116	-	12
1588	B-3	T.7N.,R.3W.,sec.3	15	13	37	0.2	-	-	<10	<10	14	2.71	300	-	17
1590	B-3	T.7N.,R.3W.,sec.3	15	15	37	0.3	-	-	<10	<10	14	2.61	294	-	17
1591	B-3	T.7N.,R.3W.,sec.3	16	13	33	0.2	-	-	<10	<10	13	2.66	574	-	15
1592	B-3	T.7N.,R.3W.,sec.2	17	26	70	0.3	-	-	<10	22	24	2.98	6720	-	15
1593	B-3	T.7N.,R.3W.,sec.3	15	20	42	0.1	-	-	<10	<10	13	2.45	895	-	14
1594	B-3	T.7N.,R.3W.,sec.3	12	20	30	0.1	-	-	<10	<10	10	1.79	303	-	11
1595	B-3	T.7N.,R.3W.,sec.3	13	12	23	0.1	-	-	<10	<10	10	1.53	170	-	10
1596	B-3	T.7N.,R.3W.,sec.3	11	15	15	0.1	-	-	<10	<10	10	8.50	90	-	10
1597	B-3	T.7N.,R.3W.,sec.3	10	10	18	0.1	-	-	<10	<10	10	1.08	132	-	10
1598	B-3	T.7N.,R.3W.,sec.3	9	12	21	0.1	-	-	<10	<10	10	1.73	109	-	10
1599	B-3	T.7N.,R.3W.,sec.3	9	12	34	0.1	-	-	<10	<10	10	2.50	361	-	13
1600	B-3	T.7N.,R.3W.,sec.4	9	13	35	0.2	-	-	<10	<10	11	2.92	253	-	16
1601	B-3	T.7N.,R.3W.,sec.4	12	8	55	0.1	-	-	<10	<10	19	4.31	367	-	21
1602	B-3	T.7N.,R.3W.,sec.4	11	11	50	0.1	-	-	<10	<10	22	4.05	280	-	22
1603	B-3	T.7N.,R.3W.,sec.4	10	9	52	0.1	-	-	<10	<10	20	4.08	397	-	20
1604	B-3	T.7N.,R.3W.,sec.4	8	10	43	0.1	-	-	<10	<10	17	3.39	232	-	19
1605	B-3	T.7N.,R.3W.,sec.25	18	14	53	0.1	-	-	<10	<10	26	2.54	263	-	45
1606	B-3	T.7N.,R.3W.,sec.36	17	16	61	0.1	-	-	<10	15	28	3.22	582	-	51
1607	B-3	T.7N.,R.3W.,sec.36	13	14	55	0.1	-	-	<10	15	25	2.68	529	-	45
1608	B-3	T.7N.,R.2W.,sec.31	14	14	47	0.1	-	-	<10	<10	23	2.76	272	-	40
1609	B-3	T.7N.,R.3W.,sec.36	14	16	50	0.1	-	-	<10	11	22	2.96	393	-	41
1610	B-3	T.7N.,R.3W.,sec.36	25	18	90	0.2	-	-	<10	12	32	4.01	295	-	55
1611	B-3	T.7N.,R.3W.,sec.36	14	13	45	0.1	-	-	<10	<10	20	2.44	185	-	34
1613	B-3	T.7N.,R.3W.,sec.36	13	11	54	0.1	-	-	<10	18	23	2.88	610	-	36
1614	B-3	T.7N.,R.3W.,sec.36	12	14	46	0.1	-	-	<10	<10	20	2.49	306	-	38
1615	B-3	T.7N.,R.3W.,sec.36	19	15	55	0.2	-	-	<10	<10	23	2.64	286	-	37
1617	B-3	T.7N.,R.3W.,sec.36	17	17	55	0.1	-	-	<10	<10	23	2.60	199	-	43
1618	B-3	T.6N.,R.3W.,sec.1	12	16	51	<0.1	-	-	<10	<10	21	2.75	260	-	40
1619	B-3	T.6N.,R.3W.,sec.1	16	14	60	0.1	-	-	<10	<10	23	2.68	244	-	38
1621	B-3	T.6N.,R.3W.,sec.1	28	19	87	0.5	-	-	<10	16	30	3.34	704	-	38
1622	B-3	T.6N.,R.3W.,sec.3	29	20	84	0.3	-	-	<10	16	35	3.53	711	-	53
1624	B-3	T.6N.,R.3W.,sec.10	35	20	92	0.3	-	-	<10	18	38	3.54	1020	-	46

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1625	B-3	T.6N.,R.3W.,sec.10	29	18	84	0.2	-	-	<10	16	34	3.01	1070	-	43
1626	B-3	T.6N.,R.3W.,sec.10	30	13	91	0.2	-	-	<10	18	38	3.28	988	-	45
1627	B-3	T.6N.,R.3W.,sec.10	15	11	63	0.1	-	-	<10	12	26	2.38	475	-	36
1629	B-3	T.6N.,R.3W.,sec.4	55	24	130	0.5	-	-	<10	47	42	4.35	2990	-	57
1630	B-3	T.6N.,R.3W.,sec.4	32	13	85	0.2	-	-	13	17	30	3.37	877	-	45
1632	B-3	T.7N.,R.3W.,sec.33	36	12	96	0.2	-	-	12	15	37	3.51	685	-	49
1634	B-3	T.7N.,R.3W.,sec.34	29	11	71	0.2	-	-	13	13	28	3.13	466	-	43
1635	B-3	T.5N.,R.3W.,sec.4	28	12	77	0.5	-	-	<10	<10	27	2.57	218	-	35
1636	B-3	T.5N.,R.3W.,sec.4	32	16	63	0.3	-	-	<10	11	29	2.89	306	-	37
1638	B-3	T.5N.,R.3W.,sec.5	27	17	63	0.2	-	-	12	11	29	2.90	388	-	36
1639	B-3	T.5N.,R.3W.,sec.5	22	17	45	0.2	-	-	15	<10	22	2.21	202	-	30
1640	B-3	T.5N.,R.3W.,sec.5	21	11	52	0.1	-	-	16	<10	23	2.54	463	-	35
1641	B-3	T.5N.,R.3W.,sec.20	16	15	48	0.2	-	-	<10	21	21	2.69	980	-	35
1643	B-3	T.5N.,R.3W.,sec.20	18	10	45	0.1	-	-	<10	<10	18	2.13	193	-	33
1644	B-3	T.5N.,R.3W.,sec.20	17	12	50	<0.1	-	-	13	<10	20	2.32	223	-	33
1645	B-3	T.5N.,R.3W.,sec.20	19	14	61	0.9	-	-	17	15	23	3.92	865	-	37
1646	C-4	T.10N.,R.6W.,sec.26	21	9	64	0.1	-	-	<10	11	66	3.30	368	-	121
1648	C-4	T.10N.,R.6W.,sec.26	27	11	60	0.1	-	-	<10	11	66	3.25	294	-	129
1649	C-4	T.10N.,R.6W.,sec.26	31	11	65	0.1	-	-	<10	11	67	3.03	395	-	122
1651	C-4	T.10N.,R.6W.,sec.26	24	12	61	0.1	-	-	<10	13	66	3.26	469	-	119
1652	C-4	T.10N.,R.6W.,sec.26	28	11	70	0.1	-	-	<10	11	69	3.45	449	-	122
1653	C-4	T.10N.,R.6W.,sec.26	22	9	69	0.1	-	-	<10	<10	73	3.19	379	-	118
1655	C-4	T.10N.,R.6W.,sec.23	26	12	85	0.1	-	-	<10	12	42	2.82	607	-	60
1657	C-4	T.10N.,R.6W.,sec.23	35	11	88	0.1	-	-	<10	<10	41	3.14	276	-	87
1658	C-4	T.10N.,R.6W.,sec.23	14	9	105	0.1	-	-	<10	<10	44	3.99	532	-	24
1659	C-4	T.10N.,R.6W.,sec.22	25	12	135	0.1	-	-	<10	44	126	4.93	847	-	54
1660	C-4	T.10N.,R.6W.,sec.22	29	12	72	0.1	-	-	<10	11	28	3.03	365	-	42
1661	C-4	T.10N.,R.6W.,sec.22	19	12	81	0.1	-	-	<10	12	21	2.93	1040	-	30
1662	C-4	T.10N.,R.6W.,sec.22	24	10	65	0.1	-	-	<10	<10	22	2.85	458	-	29
1664	C-4	T.10N.,R.6W.,sec.15	21	9	57	0.1	-	-	<10	<10	20	2.67	310	-	28
1665	C-4	T.10N.,R.6W.,sec.15	24	10	67	0.1	-	-	<10	<10	23	2.90	420	-	31
1666	C-4	T.10N.,R.6W.,sec.25	25	10	62	0.1	-	-	<10	<10	22	3.07	340	-	30
1667	C-4	T.10N.,R.6W.,sec.30	20	10	52	0.1	-	-	<10	<10	19	2.45	147	-	29
1668	C-4	T.10N.,R.5W.,sec.30	23	10	55	0.1	-	-	<10	<10	19	2.42	147	-	29
1670	C-4	T.10N.,R.5W.,sec.30	23	8	52	0.1	-	-	<10	<10	18	2.72	260	-	27
1671	C-4	T.10N.,R.5W.,sec.30	20	9	56	0.1	-	-	<10	<10	17	2.43	199	-	27
1672	C-4	T.10N.,R.5W.,sec.19	24	11	62	0.1	-	-	<10	<10	19	2.94	343	-	28
1673	C-4	T.10N.,R.5W.,sec.20	24	10	65	0.1	-	-	<10	<10	22	3.01	357	-	26
1675	C-4	T.10N.,R.5W.,sec.20	18	8	53	0.1	-	-	<10	<10	18	2.78	283	-	28
1676	C-4	T.10N.,R.5W.,sec.20	19	7	60	0.1	-	-	<10	<10	19	2.68	296	-	26
1677	C-4	T.10N.,R.5W.,sec.20	20	10	62	0.1	-	-	<10	<10	19	2.85	331	-	27
1679	C-4	T.11N.,R.6W.,sec.36	33	10	83	0.2	-	-	<10	11	32	2.89	505	-	38
1681	C-4	T.11N.,R.6W.,sec.36	22	9	60	0.1	-	-	<10	<10	19	2.43	354	-	24
1683	C-4	T.11N.,R.6W.,sec.36	34	10	80	0.2	-	-	<10	<10	28	2.65	384	-	34
1684	C-4	T.10N.,R.6W.,sec.1	34	13	85	0.2	-	-	<10	<10	27	2.93	351	-	36
1685	C-4	T.10N.,R.6W.,sec.1	28	11	71	0.2	-	-	<10	<10	23	2.52	342	-	32
1686	C-4	T.10N.,R.6W.,sec.1	20	10	62	0.1	-	-	<10	<10	20	2.36	287	-	30

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1688	C-4	T.10N.,R.6W.,sec.1	29	12	80	0.2	-	-	<10	11	25	2.67	565	-	32
1689	C-4	T.8N.,R.7W.,sec.14	24	13	63	0.2	-	-	<10	<10	20	3.33	405	-	35
1090	C-4	T.8N.,R.7W.,sec.13	22	12	59	0.2	-	-	<10	<10	20	2.74	493	-	34
1692	C-4	T.8N.,R.7W.,sec.13	27	11	66	0.2	-	-	<10	<10	24	2.76	452	-	32
1693	C-4	T.8N.,R.7W.,sec.13	25	12	60	0.1	-	-	<10	<10	21	2.93	432	-	28
1694	C-4	T.8N.,R.7W.,sec.13	24	10	64	0.1	-	-	<10	<10	23	2.87	341	-	32
1695	C-4	T.8N.,R.7W.,sec.13	23	10	73	0.1	-	-	<10	12	28	3.63	846	-	35
1696	B-4	T.7N.,R.7W.,sec.14	17	11	55	0.2	-	-	<10	<10	28	2.67	215	-	37
1697	B-4	T.7N.,R.7W.,sec.14	14	8	52	0.1	-	-	<10	<10	63	2.31	253	-	72
1698	B-4	T.7N.,R.7W.,sec.14	16	9	61	0.1	-	-	<10	14	102	2.57	474	-	79
1699	B-4	T.7N.,R.7W.,sec.11	19	11	68	0.2	-	-	<10	14	104	2.86	427	-	84
1701	B-4	T.7N.,R.7W.,sec.11	18	10	64	0.1	-	-	<10	14	113	2.78	372	-	116
1702	B-4	T.7N.,R.7W.,sec.11	17	10	62	0.1	-	-	<10	12	82	2.81	327	-	87
1703	B-4	T.7N.,R.7W.,sec.11	19	8	65	0.1	-	-	<10	16	134	2.98	475	-	122
1704	B-4	T.5N.,R.6W.,sec.8	93	28	116	0.5	-	-	37	12	39	4.03	1440	-	68
1705	B-4	T.5N.,R.6W.,sec.8	84	29	114	0.4	-	-	37	11	34	4.64	711	-	80
1706	B-4	T.6N.,R.6W.,sec.28	32	12	64	0.2	-	-	<10	<10	26	3.04	342	-	35
1707	B-4	T.6N.,R.6W.,sec.28	24	12	65	0.2	-	-	<10	<10	23	2.53	164	-	38
1708	B-4	T.6N.,R.6W.,sec.28	23	13	57	0.2	-	-	<10	<10	20	3.16	334	-	34
1710	B-4	T.6N.,R.6W.,sec.28	22	8	48	0.2	-	-	<10	<10	20	2.68	294	-	31
1711	B-4	T.6N.,R.6W.,sec.27	21	10	61	0.1	-	-	<10	<10	22	3.13	416	-	35
1751	C-3	T.9N.,R.4W.	17	10	57	0.1	-	<1	<10	<10	18	2.84	354	<1	31
1752	C-3	T.9N.,R.4W.	17	10	56	<0.1	-	<1	<10	<10	17	2.86	330	<1	29
1753	C-3	T.9N.,R.4W.	15	11	56	<0.1	-	<1	<10	<10	26	2.50	243	<1	41
1754	C-3	T.9N.,R.4W.	23	9	65	0.1	-	<1	<10	<10	30	2.73	336	<1	40
1756	C-3	T.9N.,R.4W.	24	13	56	0.1	-	<1	<10	<10	28	2.66	253	<1	42
1757	C-3	T.9N.,R.4W.	19	8	63	0.1	-	<1	<10	<10	30	2.66	343	<1	44
1758	C-3	T.9N.,R.4W.	19	12	63	0.1	-	<1	<10	11	29	3.44	368	<1	46
1759	C-3	T.9N.,R.4W.	19	9	68	0.1	-	<1	<10	<10	29	2.72	350	<1	38
1760	C-3	T.9N.,R.4W.	23	9	79	0.1	-	<1	<10	12	35	3.01	390	<1	43
1761	C-3	T.9N.,R.4W.	18	8	61	<0.1	-	<1	<10	<10	28	2.50	285	<1	37
1762	C-3	T.9N.,R.4W.	17	10	53	<0.1	-	<1	<10	11	25	2.75	462	<1	41
1763	C-3	T.9N.,R.4W.	20	9	64	0.1	-	<1	<10	11	28	2.59	351	<1	40
1764	C-3	T.9N.,R.4W.	28	12	43	0.2	-	<1	<10	<10	24	2.23	195	<1	38
1765	C-3	T.9N.,R.4W.	25	14	55	0.1	-	<1	<10	11	28	3.04	302	<1	46
1766	C-3	T.9N.,R.4W.	20	11	46	0.1	-	<1	11	<10	25	2.65	258	<1	41
1767	C-3	T.9N.,R.4W.	17	10	55	<0.1	-	<1	<10	11	24	2.74	405	<1	38
1768	C-3	T.9N.,R.4W.	30	8	48	0.1	-	<1	<10	12	29	2.95	464	<1	33
1769	C-3	T.9N.,R.4W.	16	10	73	0.1	-	<1	<10	29	26	3.70	2400	<1	33
1770	C-3	T.8N.,R.4W.	16	7	54	0.1	-	<1	<10	21	188	2.78	502	<1	136
1772	C-3	T.8N.,R.4W.	22	9	61	0.1	-	<1	<10	22	161	3.04	998	<1	48
1773	C-3	T.8N.,R.4W.	25	11	58	<0.1	-	<1	<10	19	121	3.14	610	<1	112
1774	B-3	T.8N.,R.4W.,sec.25	30	6	66	0.1	-	<1	<10	20	163	1.50	2330	<1	31
1775	B-3	T.8N.,R.4W.,sec.25	31	10	63	0.2	-	<1	<10	17	106	2.77	921	<1	42
1776	B-3	T.7N.,R.4W.,sec.22	36	18	95	0.7	-	<1	<17	12	26	3.03	520	2	35
1777	B-3	T.7N.,R.4W.,sec.15	25	10	78	0.2	-	<1	<10	11	28	3.04	449	<1	36
1778	B-3	T.7N.,R.4W.,sec.15	38	33	126	0.5	-	<1	40	21	31	3.70	1200	<1	40

¹Atomic-absorption spectrophotometry, DGGS lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1779	B-3	T. 7N., R. 4W., sec. 21	20	14	72	0.2	-	<1	<10	12	22	2.81	508	<1 ¹	34
1780	B-3	T. 7N., R. 4W., sec. 21	24	17	73	0.4	-	<1	<10	<10	24	2.68	396	<1 ¹	32
1781	B-3	T. 7N., R. 4W., sec. 16	36	23	103	0.5	-	<1	20	22	30	3.52	1630	<1 ¹	36
1782	B-3	T. 7N., R. 4W., sec. 16	31	17	93	0.2	-	<1	14	13	30	3.20	712	<1 ¹	40
1783	B-3	T. 7N., R. 4W., sec. 16	22	13	77	0.1	-	<1	<10	<10	25	2.65	395	<1 ¹	32
1784	B-3	T. 7N., R. 4W., sec. 16	21	11	68	0.2	-	<1	<10	<10	25	2.54	396	<1 ¹	31
1785	B-3	T. 7N., R. 4W., sec. 15	32	17	98	0.8	-	<1	51	<10	21	2.32	190	<1 ¹	34
1786	B-3	T. 7N., R. 4W., sec. 15	44	24	108	0.7	-	<1	93	16	24	3.27	816	<1 ¹	37
1787	B-3	T. 7N., R. 4W., sec. 15	55	23	148	1.5	-	<1	99	<10	23	2.71	225	<1 ¹	31
1788	B-3	T. 7N., R. 4W., sec. 15	43	29	106	0.6	-	<1	77	17	24	3.21	844	<1 ¹	33
1789	B-3	T. 7N., R. 4W., sec. 15	34	24	102	0.4	-	<1	38	17	27	3.24	1190	<1 ¹	33
1790	B-3	T. 7N., R. 4W., sec. 9	34	18	112	0.3	-	<1	27	19	30	3.21	1840	2 ¹	32
1791	B-4	T. 7N., R. 5W., sec. 23	51	10	66	0.1	-	<1	55	11	31	3.42	457	<1 ¹	34
1792	B-4	T. 7N., R. 5W., sec. 23	28	11	59	0.3	-	<1	16	12	25	3.18	569	<1 ¹	37
1794	B-4	T. 7N., R. 5W., sec. 14	36	9	50	0.2	-	<1	40	<10	23	3.70	402	<1 ¹	35
1795	B-4	T. 7N., R. 5W., sec. 14	285	18	42	0.7	-	<1	47	<10	19	3.78	298	<1 ¹	26
1796	B-4	T. 7N., R. 5W., sec. 14	147	27	61	0.6	-	<1	91	<10	23	2.91	350	<1 ¹	35
1797	B-4	T. 7N., R. 5W., sec. 14	299	11	54	0.2	-	<1	<10	<10	27	2.49	357	<1 ¹	28
1798	B-4	T. 7N., R. 5W., sec. 15	36	12	75	0.1	-	<1	<10	14	28	3.48	453	<1 ¹	38
1799	B-4	T. 7N., R. 5W., sec. 15	160	16	78	0.2	-	<1	31	17	29	3.26	494	<1 ¹	32
1800	B-4	T. 7N., R. 5W., sec. 15	177	16	91	0.2	-	<1	21	18	34	3.35	524	<1 ¹	31
1802	B-4	T. 7N., R. 5W., sec. 15	58	21	98	0.1	-	6	<10	15	34	4.19	521	<1 ¹	42
1804	B-4	T. 7N., R. 5W., sec. 15	77	16	89	0.1	-	<1	<10	15	34	3.36	469	<1 ¹	38
1805	B-4	T. 7N., R. 5W., sec. 16	70	14	86	0.1	-	<1	<10	14	35	3.09	3.85	<1 ¹	37
1806	B-4	T. 7N., R. 5W., sec. 16	107	18	97	0.2	-	<1	13	16	33	3.50	486	<1 ¹	35
1807	B-4	T. 6N., R. 5W., sec. 28	26	13	75	0.2	-	<1	<10	13	28	3.20	815	<1 ¹	35
1809	B-4	T. 6N., R. 5W., sec. 28	37	14	90	0.4	-	<1	<10	13	32	3.51	727	<1 ¹	36
1810	B-4	T. 6N., R. 5W., sec. 28	30	15	82	0.1	-	<1	<10	11	27	3.05	807	<1 ¹	31
1811	B-4	T. 6N., R. 5W., sec. 27	21	10	70	<0.1	-	<1	<10	<10	22	3.67	608	<1 ¹	30
1812	B-4	T. 6N., R. 5W., sec. 34	25	9	70	<0.1	-	<1	<10	12	26	3.23	420	<1 ¹	31
1813	B-4	T. 6N., R. 5W., sec. 34	25	10	73	0.2	-	<1	<10	12	26	3.44	1020	<1 ¹	31
1814	B-4	T. 6N., R. 5W., sec. 33	23	12	57	0.1	-	<1	<10	<10	18	2.29	388	<1 ¹	26
1815	B-4	T. 6N., R. 5W., sec. 33	28	14	72	0.2	-	<1	<10	14	25	3.00	704	<1 ¹	34
1817	B-4	T. 6N., R. 5W., sec. 33	21	10	74	0.1	-	<1	<10	12	25	3.02	630	<1 ¹	32
1818	B-4	T. 6N., R. 5W., sec. 33	21	10	78	0.1	-	<1	<10	12	24	2.93	669	<1 ¹	31
1819	B-4	T. 6N., R. 5W., sec. 34	19	10	73	0.1	-	<1	<10	<10	24	2.85	563	<1 ¹	30
1820	B-4	T. 6N., R. 5W., sec. 34	19	10	70	0.1	-	<1	<10	<10	22	2.85	568	<1 ¹	30
1821	B-4	T. 6N., R. 5W., sec. 34	19	10	67	0.1	-	<1	<10	<10	20	2.70	613	<1 ¹	26
1822	C-4	T. 8N., R. 6W., sec. 12	10	9	48	<0.1	-	-	<10	<10	19	3.90	241	-	20
1823	C-4	T. 8N., R. 6W., sec. 12	10	12	52	<0.1	-	-	<10	<10	19	4.28	287	-	20
1824	C-4	T. 8N., R. 6W., sec. 1	11	11	43	0.1	-	-	<10	<10	14	3.91	390	-	15
1826	C-4	T. 8N., R. 6W., sec. 1	13	8	53	0.1	-	-	<10	11	19	4.13	504	-	18
1827	C-4	T. 8N., R. 6W., sec. 1	9	9	41	<0.1	-	-	<10	<10	20	3.42	242	-	22
1828	C-4	T. 8N., R. 6W., sec. 1	9	10	46	0.1	-	-	<10	<10	24	3.54	325	-	25
1829	C-4	T. 8N., R. 6W., sec. 1	11	9	46	<0.1	-	-	<10	<10	24	3.48	286	-	23
1831	C-4	T. 8N., R. 6W., sec. 1	10	9	47	<0.1	-	-	<10	<10	23	3.62	429	-	21
1832	C-4	T. 8N., R. 6W., sec. 2	9	8	40	0.1	-	-	<10	<10	22	2.99	232	-	21

¹Atomic-absorption spectrophotometry, DGGS lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1833	C-4	T.9N.,R.6W.,sec.36	5	8	34	0.1	-	-	<10	<10	19	2.47	166	-	19
1834	C-4	T.8N.,R.6W.,sec.21	5	21	28	0.1	-	-	<10	<10	15	2.25	205	-	17
1835	C-4	T.8N.,R.6W.,sec.14	14	9	32	0.1	-	-	<10	<10	18	2.31	235	-	17
1836	C-4	T.8N.,R.6W.,sec.11	3	9	21	<0.1	-	-	<10	<10	10	2.18	83	-	15
1838	C-4	T.8N.,R.6W.,sec.11	16	6	53	0.1	-	-	<10	<10	22	4.23	467	-	40
1839	C-4	T.8N.,R.6W.,sec.11	15	8	54	0.1	-	-	<10	11	20	4.52	651	-	31
1840	C-4	T.8N.,R.6W.,sec.11	16	7	53	<0.1	-	-	<10	<10	20	4.31	504	-	35
1841	C-4	T.8N.,R.6W.,sec.11	13	9	50	<0.1	-	-	<10	<10	18	4.14	439	-	29
1842	C-4	T.8N.,R.6W.,sec.2	14	9	54	<0.1	-	-	<10	<10	21	4.35	391	-	30
1844	C-4	T.8N.,R.6W.,sec.2	13	8	50	<0.1	-	-	<10	<10	19	3.90	399	-	28
1845	C-4	T.8N.,R.6W.,sec.2	15	8	56	<0.1	-	-	<10	<10	21	4.42	386	-	30
1846	C-4	T.8N.,R.6W.,sec.3	21	13	64	<0.1	-	-	<10	<10	34	2.68	511	-	33
1847	B-4	T.7N.,R.6W.,sec.5	16	12	61	<0.1	-	-	<10	20	180	3.19	426	-	140
1848	B-4	T.7N.,R.6W.,sec.5	16	13	71	<0.1	-	-	<10	26	276	3.17	584	-	207
1849	B-4	T.7N.,R.6W.,sec.5	20	12	73	0.1	-	-	<10	16	154	3.05	407	-	102
1851	B-4	T.7N.,R.6W.,sec.5	17	14	64	<0.1	-	-	12	28	321	3.52	438	-	229
1852	B-4	T.7N.,R.6W.,sec.5	16	13	63	0.1	-	-	11	26	290	3.45	434	-	211
1853	B-4	T.8N.,R.6W.,sec.32	18	16	63	<0.1	-	-	<10	23	253	3.23	409	-	187
1854	B-4	T.8N.,R.6W.,sec.32	15	15	62	<0.1	-	-	11	23	244	3.25	402	-	192
1855	B-4	T.7N.,R.6W.,sec.4	35	17	64	<0.1	-	-	<10	34	470	3.99	522	-	345
1856	B-4	T.7N.,R.6W.,sec.4	-	14	-	<0.1	-	-	<10	-	-	-	-	-	-
1857	B-4	T.8N.,R.6W.,sec.33	30	14	63	<0.1	-	-	<10	30	371	3.84	479	-	254
1858	B-4	T.8N.,R.6W.,sec.33	23	14	57	<0.1	-	-	<10	24	284	3.33	409	-	204
1859	B-4	T.8N.,R.6W.,sec.33	28	14	62	0.1	-	-	<10	23	250	3.38	459	-	794
1861	C-3	T.9N.,R.5W.	27	19	90	0.1	-	-	14	<10	31	2.60	590	-	35
1863	C-3	T.9N.,R.5W.	33	20	91	0.1	-	-	14	13	31	2.49	709	-	30
1864	C-3	T.9N.,R.5W.	33	20	97	0.1	-	-	11	17	32	2.79	1230	-	31
1865	C-4	T.9N.,R.5W.,sec.36	35	19	85	0.1	-	-	<10	12	30	2.36	445	-	32
1866	C-4	T.9N.,R.5W.,sec.36	26	18	93	0.1	-	-	<10	13	29	2.53	530	-	33
1868	C-4	T.9N.,R.5W.,sec.35	27	24	80	0.1	-	-	11	24	29	3.52	1440	-	32
1869	C-4	T.9N.,R.5W.,sec.35	34	20	106	0.1	-	-	<10	14	31	2.64	680	-	31
1870	C-4	T.9N.,R.5W.,sec.35	32	16	111	0.1	-	-	11	16	31	3.26	1090	-	33
1871	C-4	T.9N.,R.5W.,sec.35	21	12	54	0.1	-	-	<10	<10	20	2.71	270	-	30
1872	C-4	T.9N.,R.5W.,sec.35	25	13	78	0.1	-	-	<10	11	25	2.46	308	-	30
1873	C-4	T.9N.,R.5W.,sec.35	23	13	79	0.1	-	-	<10	11	24	2.43	482	-	29
1874	C-4	T.8N.,R.5W.,sec.3	22	14	79	0.1	-	-	<10	12	24	2.50	666	-	29
1875	C-4	T.8N.,R.5W.,sec.3	19	14	63	0.1	-	-	<10	<10	21	2.42	270	-	30
1876	C-4	T.8N.,R.5W.,sec.3	19	13	70	0.1	-	-	<10	<10	22	2.68	481	-	28
1877	C-4	T.8N.,R.5W.,sec.8	14	13	43	0.1	-	-	<10	<10	14	2.36	136	-	25
1879	C-4	T.8N.,R.5W.,sec.8	18	11	49	0.1	-	-	<10	<10	17	2.15	230	-	32
1880	C-4	T.8N.,R.5W.,sec.9	20	13	68	0.1	-	-	<10	11	21	3.01	373	-	30
1881	C-4	T.8N.,R.5W.,sec.9	14	12	51	0.1	-	-	<10	<10	14	2.19	215	-	21
1882	C-4	T.8N.,R.,5W.,sec.9	17	13	65	0.1	-	-	<10	15	19	3.32	759	-	25
1883	C-4	T.8N.,R.5W.,sec.9	23	17	65	0.1	-	-	<10	11	19	2.77	463	-	24
1885	C-3	T.8N.,R.4W.	23	21	70	0.1	-	-	21	14	26	2.35	417	-	34
1886	C-3	T.8N.,R.4W.	25	15	78	0.1	-	-	<10	12	29	3.06	405	-	35
1887	C-3	T.8N.,R.4W.	24	20	95	0.1	-	-	41	20	28	4.39	2770	-	28

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1888	C-3	T.8N.,R.4W.	20	14	65	0.2	-	-	<10	<10	19	2.69	239	-	26
1889	C-3	T.8N.,R.4W.	17	14	64	0.1	-	-	<10	<10	19	2.68	337	-	26
1891	C-3	T.8N.,R.4W.	15	12	60	0.1	-	-	<10	<10	18	2.50	355	-	24
1892	C-3	T.8N.,R.4W.	16	13	63	0.1	-	-	<10	<10	18	2.60	358	-	23
1893	C-3	T.8N.,R.4W.	16	15	61	0.1	-	-	<10	<10	19	2.64	376	-	26
1894	C-4	T.8N.,R.5W.,sec.2	16	14	66	0.1	-	-	<10	<10	24	2.53	359	-	30
1895	C-3	T.8N.,R.5W.	15	14	52	0.1	-	-	<10	<10	18	2.24	304	-	25
1896	C-3	T.8N.,R.5W.	16	15	68	0.1	-	-	<10	<10	18	2.20	648	-	24
1897	C-3	T.8N.,R.5W.	20	13	58	0.1	-	-	<10	<10	18	2.26	247	-	24
1898	C-3	T.9N.,R.4W.	19	16	54	<0.1	-	-	<10	<10	16	2.99	199	-	27
1899	C-3	T.9N.,R.4W.	26	18	59	<0.1	-	-	<10	13	17	3.47	521	-	30
1901	C-3	T.9N.,R.4W.	27	17	45	0.1	-	-	<10	13	14	3.15	600	-	24
1902	C-3	T.9N.,R.4W.	44	16	53	<0.1	-	-	<10	30	16	2.94	1090	-	22
1903	C-3	T.9N.,R.4W.	9	14	48	<0.1	-	-	<10	<10	11	2.41	117	-	19
1904	C-3	T.9N.,R.4W.	14	14	16	<0.1	-	-	<10	<10	14	2.68	282	-	23
1905	C-3	T.9N.,R.4W.	17	14	55	<0.1	-	-	<10	<10	17	2.82	338	-	27
1907	C-3	T.9N.,R.4W.	15	12	52	<0.1	-	-	<10	11	17	2.70	495	-	25
1908	C-3	T.9N.,R.4W.	16	13	65	<0.1	-	-	<10	12	18	2.77	559	-	24
1909	C-3	T.8N.,R.5W.	20	14	63	<0.1	-	-	13	23	114	3.40	769	-	130
1910	C-3	T.8N.,R.5W.	29	15	92	<0.1	-	-	36	30	216	4.15	1040	-	180
1912	C-3	T.8N.,R.5W.	29	14	67	<0.1	-	-	36	26	255	3.74	686	-	153
1913	C-3	T.8N.,R.5W.	18	11	58	<0.1	-	-	192	18	138	2.90	490	-	108
1914	C-3	T.8N.,R.5W.	23	14	67	0.1	-	-	<10	13	63	3.01	456	-	68
1915	C-3	T.8N.,R.5W.	18	13	61	0.1	-	-	44	13	84	2.74	458	-	70
1916	C-3	T.8N.,R.5W.	20	14	65	0.1	-	-	27	13	75	2.66	452	-	57
1917	B-3	T.8N.,R.2W.,sec.30	30	17	64	0.5	-	-	<10	13	23	2.75	492	-	37
1918	B-3	T.8N.,R.2W.,sec.30	25	18	76	0.2	-	-	<10	15	27	3.62	724	-	43
1919	B-3	T.8N.,R.3W.,sec.25	20	16	73	0.1	-	-	<10	13	29	3.58	637	-	42
1921	B-3	T.8N.,R.3W.,sec.36	16	14	63	0.1	-	-	<10	<10	22	2.81	366	-	32
1922	B-3	T.8N.,R.3W.,sec.36	16	13	65	0.1	-	-	<10	<10	22	3.00	381	-	32
1923	B-3	T.8N.,R.3W.,sec.36	16	12	64	0.1	-	-	<10	<10	21	2.76	341	-	29
1924	B-3	T.8N.,R.3W.,sec.36	17	14	66	0.1	-	-	<10	<10	19	2.65	301	-	28
1925	B-3	T.8N.,R.3W.,sec.35	18	14	70	0.1	-	-	<10	12	22	3.07	511	-	32
1927	B-3	T.8N.,R.3W.,sec.35	35	20	100	0.2	-	-	<10	17	34	4.01	849	-	36
1929	B-3	T.8N.,R.3W.,sec.35	15	13	62	0.1	-	-	<10	<10	20	2.71	452	-	28
1930	B-3	T.8N.,R.3W.,sec.26	14	10	54	0.1	-	-	<10	<10	16	2.36	309	-	21
1931	B-3	T.8N.,R.3W.,sec.26	15	11	56	0.1	-	-	<10	<10	17	2.52	324	-	23
1932	B-3	T.8N.,R.3W.,sec.26	15	7	56	<0.1	-	-	<10	<10	17	2.38	276	-	22
1933	B-3	T.8N.,R.3W.,sec.26	12	8	53	0.1	-	-	<10	<10	15	2.41	355	-	22
1934	B-3	T.8N.,R.3W.,sec.27	17	10	62	0.1	-	-	<10	11	19	2.67	438	-	26
1935	B-3	T.8N.,R.3W.,sec.27	14	9	55	0.1	-	-	<10	<10	18	2.38	298	-	23
1937	B-3	T.6N.,R.3W.,sec.3	14	8	34	0.2	-	-	12	10	18	1.98	184	-	32
1938	B-3	T.7N.,R.3W.,sec.34	25	15	55	0.2	-	-	21	21	24	3.13	893	-	39
1940	B-3	T.7N.,R.3W.,sec.34	24	11	52	0.3	-	-	20	<10	23	2.73	422	-	42
1941	B-3	T.7N.,R.3W.,sec.34	22	11	53	0.3	-	-	<10	11	22	2.85	448	-	39
1942	B-3	T.7N.,R.3W.,sec.34	19	11	50	0.2	-	-	20	<10	22	2.43	279	-	36
1943	B-3	T.7N.,R.3W.,sec.27	16	10	47	0.1	-	-	25	<10	20	2.51	318	-	37

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1945	B-3	T.7N.,R.3W.,sec.27	21	8	57	0.1	-	-	<10	11	22	2.96	432	-	37
1946	B-3	T.7N.,R.3W.,sec.27	25	10	59	<0.1	-	-	<10	<10	23	2.95	335	-	34
1947	B-3	T.7N.,R.3W.,sec.26	16	8	49	<0.1	-	-	<10	<10	20	2.50	220	-	35
1948	B-3	T.7N.,R.3W.,sec.27	17	8	52	<0.1	-	-	<10	<10	20	2.57	265	-	33
1949	B-3	T.7N.,R.3W.,sec.27	15	7	46	<0.1	-	-	<10	<10	19	2.35	245	-	33
1950	B-3	T.7N.,R.3W.,sec.27	12	6	53	<0.1	-	-	-	<10	20	2.77	305	-	31
1951	B-3	T.5N.,R.3W.,sec.15	9	8	31	<0.1	-	-	<10	<10	14	1.79	114	-	29
1952	B-3	T.5N.,R.3W.,sec.10	13	10	42	<0.1	-	-	27	<10	17	2.26	122	-	34
1953	B-3	T.5N.,R.3W.,sec.10	15	12	43	<0.1	-	-	<10	12	16	2.74	4.73%	-	33
1955	B-3	T.5N.,R.3W.,sec.10	15	12	45	<0.1	-	-	42	<10	18	2.77	316	-	31
1956	B-3	T.5N.,R.3W.,sec.9	13	10	42	<0.1	-	-	35	<10	17	2.54	296	-	30
1957	B-3	T.5N.,R.3W.,sec.17	10	11	28	<0.1	-	-	<10	<10	14	1.78	89	-	28
1958	B-3	T.5N.,R.3W.,sec.8	16	14	47	<0.1	-	-	<10	<10	18	3.11	293	-	36
1959	B-3	T.5N.,R.3W.,sec.8	14	11	38	<0.1	-	-	33	<10	16	2.27	157	-	31
1960	B-3	T.5N.,R.3W.,sec.8	24	11	65	0.1	-	-	<10	12	24	3.45	355	-	40
1962	B-3	T.5N.,R.2W.,sec.5	20	16	76	0.1	-	-	<10	15	24	3.19	770	-	35
1963	B-3	T.5N.,R.2W.,sec.5	19	15	82	<0.1	-	-	19	19	34	3.51	1050	-	38
1965	B-3	T.5N.,R.2W.,sec.5	14	12	63	<0.1	-	-	33	14	21	2.85	767	-	27
1966	B-3	T.5N.,R.2W.,sec.6	16	14	72	<0.1	-	-	34	15	23	3.01	951	-	33
1967	B-3	T.5N.,R.2W.,sec.6	11	12	58	0.1	-	-	31	13	22	2.58	535	-	31
1968	B-3	T.5N.,R.2W.,sec.6	16	21	40	<0.1	-	-	20	<10	19	2.42	257	-	39
1969	B-3	T.5N.,R.2W.,sec.6	20	17	73	0.1	-	-	30	16	27	3.18	967	-	42
1970	B-3	T.5N.,R.2W.,sec.6	20	18	71	0.2	-	-	<10	16	26	3.13	1160	-	40
1971	B-3	T.5N.,R.3W.,sec.1	13	11	52	0.1	-	-	35	12	21	2.58	853	-	30
1972	B-3	T.5N.,R.3W.,sec.1	15	13	59	0.1	-	-	37	14	22	2.78	1090	-	34
1974	B-3	T.5N.,R.3W.,sec.1	15	12	54	0.1	-	-	36	11	21	2.67	725	-	35
1975	B-3	T.5N.,R.3W.,sec.12	21	14	63	0.1	-	-	27	13	23	3.11	717	-	36
1976	B-3	T.5N.,R.3W.,sec.11	23	15	65	0.2	-	-	27	13	23	3.09	781	-	38
1977	B-3	T.5N.,R.3W.,sec.11	15	12	55	0.1	-	-	<10	11	20	2.65	569	-	33
1978	C-4	T.10N.,R.6W.,sec.25	17	7	56	0.1	-	-	<10	<10	17	2.61	303	-	27
1980	C-4	T.10N.,R.6W.,sec.24	28	12	72	0.1	-	-	<10	11	20	3.59	491	-	26
1981	C-4	T.10N.,R.6W.,sec.24	18	8	58	0.1	-	-	<10	<10	18	2.59	323	-	28
1982	C-4	T.10N.,R.6W.,sec.24	25	10	67	0.1	-	-	<10	<10	22	2.91	527	-	32
1983	C-4	T.10N.,R.6W.,sec.24	22	9	60	0.1	-	-	<10	8	19	2.63	353	-	28
1984	C-4	T.10N.,R.6W.,sec.13	23	8	72	0.1	-	-	<10	<10	22	2.91	602	-	29
1985	C-4	T.10N.,R.6W.,sec.13	20	9	10	0.1	-	-	<10	<10	20	2.75	570	-	28
1986	C-4	T.10N.,R.6W.,sec.13	17	6	57	0.1	-	-	<10	<10	17	2.60	323	-	29
1987	C-4	T.10N.,R.6W.,sec.14	20	7	63	0.1	-	-	<10	<10	19	2.86	349	-	28
1988	C-4	T.10N.,R.6W.,sec.14	18	7	61	0.1	-	-	<10	<10	18	2.63	309	-	29
1989	C-3	T.10N.,R.5W.	30	10	75	0.2	-	-	<10	14	24	3.29	611	-	34
1990	C-3	T.10N.,R.5W.	19	9	57	0.1	-	-	<10	<10	19	2.80	315	-	26
1992	C-3	T.10N.,R.5W.	27	9	71	0.1	-	-	<10	<10	25	3.04	401	-	28
1993	C-4	T.10N.,R.5W.,sec.13	18	8	60	0.1	-	-	<10	<10	18	2.49	288	-	23
1994	C-3	T.10N.,R.5W.	20	9	63	0.1	-	-	<10	11	20	2.97	643	-	28
1995	C-3	T.10N.,R.5W.	25	10	66	0.1	-	-	<10	<10	22	2.83	406	-	30
1996	C-3	T.10N.,R.5W.	20	9	67	0.1	-	-	<10	<10	20	2.98	490	-	28
1997	C-3	T.10N.,R.5W.	22	8	66	0.1	-	-	<10	<10	21	2.92	468	-	31

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1998	C-3	T.10N.,R.5W.	15	6	58	<0.1	-	-	<10	<10	17	2.59	674	-	26
1999	C-3	T.10N.,R.5W.	20	8	71	<0.1	-	-	<10	13	22	2.98	902	-	28
2001	C-4	T.9N.,R.6W.,sec.3	26	11	65	0.1	-	-	<10	16	77	3.84	514	-	127
2002	C-4	T.9N.,R.6W.,sec.4	20	9	58	0.1	-	-	<10	13	76	3.19	370	-	126
2003	C-4	T.9N.,R.6W.,sec.4	24	8	62	0.1	-	-	<10	12	82	3.00	392	-	128
2004	C-4	T.9N.,R.6W.,sec.4	20	8	57	0.1	-	-	<10	12	79	2.94	390	-	125
2005	C-4	T.9N.,R.6W.,sec.4	18	7	57	<0.1	-	-	<10	11	78	3.00	378	-	130
2006	C-4	T.9N.,R.6W.,sec.5	17	5	61	0.1	-	-	<10	11	78	2930	355	-	127
2007	C-4	T.9N.,R.6W.,sec.5	20	6	62	0.1	-	-	<10	12	78	2.96	371	-	120
2008	C-4	T.9N.,R.6W.,sec.5	19	6	59	0.1	-	-	<10	11	77	2.89	345	-	127
2009	C-4	T.9N.,R.6W.,sec.5	16	5	56	0.1	-	-	<10	11	76	2.86	368	-	122
2010	C-4	T.9N.,R.6W.,sec.6	23	8	68	0.1	-	-	<10	12	79	3.04	381	-	115
2011	C-4	T.9N.,R.6W.,sec.6	19	6	63	0.1	-	-	<10	11	76	2.91	329	-	129
2012	C-4	T.9N.,R.6W.,sec.6	19	7	62	0.1	-	-	<10	12	73	2.87	510	-	123
2013	C-4	T.9N.,R.6W.,sec.6	18	7	61	0.1	-	-	<10	13	73	3.11	663	-	126
2014	C-4	T.9N.,R.6W.,sec.6	26	10	78	0.1	-	-	<10	16	76	3.42	1160	-	125
2015	B-4	T.8N.,R.7W.,sec.27	19	10	58	0.1	-	-	<10	18	70	3.32	864	-	125
2016	B-4	T.8N.,R.7W.,sec.27	18	10	56	0.1	-	-	<10	12	68	3.10	441	-	123
2017	B-4	T.8N.,R.7W.,sec.22	17	8	53	0.1	-	-	<10	11	66	2.69	372	-	119
2019	B-4	T.8N.,R.7W.,sec.27	22	10	62	0.1	-	-	<10	19	69	3.15	1100	-	114
2020	C-4	T.8N.,R.7W.,sec.22	19	9	59	0.1	-	-	<10	14	66	3.07	658	-	115
2021	C-4	T.8N.,R.7W.,sec.22	19	9	52	0.1	-	-	<10	12	67	2.75	509	-	115
2022	C-4	T.8N.,R.7W.,sec.22	19	9	55	0.1	-	-	<10	14	66	2.97	708	-	113
2024	C-4	T.8N.,R.7W.,sec.23	24	10	60	0.1	-	-	<10	15	70	3.25	649	-	123
2025	C-4	T.8N.,R.7W.,sec.23	21	10	61	0.1	-	-	<10	14	66	2.89	552	-	117
2026	C-4	T.8N.,R.7W.,sec.23	22	10	58	0.1	-	-	<10	15	70	3.40	625	-	125
2027	C-4	T.8N.,R.7W.,sec.23	24	10	75	0.1	-	-	<10	22	72	3.65	1600	-	123
2028	C-4	T.8N.,R.7W.,sec.23	23	8	58	0.2	-	-	<10	12	67	2.99	647	-	118
2029	C-4	T.8N.,R.7W.,sec.24	22	9	67	0.1	-	-	<10	18	70	3.30	897	-	121
2030	C-4	T.8N.,R.7W.,sec.24	22	7	65	0.1	-	-	<10	17	70	3.24	940	-	121
2032	C-4	T.8N.,R.7W.,sec.24	22	11	63	0.1	-	-	<10	16	70	3.14	971	-	118
2033	C-4	T.8N.,R.7W.,sec.24	27	10	76	0.1	-	-	<10	19	73	3.73	1350	-	123
2034	B-4	T.6N.,R.6W.,sec.32	29	12	56	0.1	-	-	30	12	71	3.37	405	-	125
2035	B-4	T.6N.,R.6W.,sec.32	28	8	61	0.1	-	-	<10	12	75	3.08	383	-	127
2036	B-4	T.6N.,R.6W.,sec.32	22	9	63	0.1	-	-	62	12	73	3.70	353	-	124
2037	B-4	T.6N.,R.6W.,sec.32	24	8	65	0.1	-	-	<10	13	78	3.15	410	-	123
2038	B-4	T.6N.,R.6W.,sec.32	32	10	51	0.1	-	-	123	11	69	3.49	294	-	119
2040	B-4	T.6N.,R.6W.,sec.29	27	7	66	0.1	-	-	<10	12	79	3.18	325	-	129
2041	B-4	T.6N.,R.6W.,sec.29	20	6	56	0.1	-	-	<10	11	75	2.78	336	-	126
2042	B-4	T.6N.,R.6W.,sec.29	28	11	80	0.1	-	-	<10	11	80	2.91	341	-	130
2043	B-4	T.6N.,R.6W.,sec.29	23	12	63	0.1	-	-	<10	12	78	3.04	428	-	126
2045	B-4	T.6N.,R.6W.,sec.20	23	9	63	0.1	-	-	<10	13	76	3.10	523	-	129
2046	B-4	T.6N.,R.6W.,sec.20	24	10	63	0.1	-	-	<10	12	75	2.93	383	-	121
2047	B-4	T.6N.,R.6W.,sec.21	16	9	48	0.1	-	-	<10	<10	69	2.52	254	-	122
2048	B-4	T.6N.,R.6W.,sec.21	20	9	55	0.1	-	-	<10	11	73	2.86	394	-	129

Table 1 (Cont'd)

Sample	Quad- range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
2050	B-4	T. 6N., R. 6W., sec. 16	24	11	67	0.1	-	-	<10	13	72	3.23	443	-	126
2051	B-4	T. 6N., R. 7W., sec. 4	20	12	57	0.1	-	-	<10	12	72	2.63	432	-	123
2053	B-4	T. 6N., R. 7W., sec. 4	20	10	58	0.1	-	-	<10	11	72	2.73	470	-	126
2054	B-4	T. 6N., R. 7W., sec. 4	20	10	58	0.1	-	-	<10	11	72	2.82	408	-	123
2055	B-4	T. 6N., R. 7W., sec. 3	21	11	58	0.1	-	-	<10	12	73	2.86	488	-	125
2056	B-4	T. 6N., R. 7W., sec. 3	23	11	59	0.1	-	-	<10	12	74	2.76	460	-	128
2057	B-4	T. 7N., R. 7W., sec. 34	28	11	66	0.2	-	-	<10	13	83	2.88	325	-	132
2059	B-4	T. 7N., R. 7W., sec. 34	22	10	62	0.1	-	-	<10	11	74	2.91	390	-	123
2061	B-4	T. 7N., R. 7W., sec. 34	16	7	65	0.1	-	-	<10	<10	70	2.48	279	-	121
2062	B-4	T. 7N., R. 7W., sec. 34	22	9	60	0.1	-	-	<10	12	76	2.98	423	-	129
2063	B-4	T. 7N., R. 7W., sec. 35	19	8	57	0.1	-	-	<10	11	74	2.75	367	-	127
2064	B-4	T. 7N., R. 7W., sec. 23	33	12	101	0.2	-	-	<10	12	93	3.01	466	-	134
2065	B-4	T. 7N., R. 7W., sec. 23	21	12	80	0.2	-	-	<10	13	101	3.13	565	-	144
2067	B-4	T. 7N., R. 7W., sec. 23	20	10	68	0.1	-	-	<10	12	93	3.13	405	-	144
2068	B-4	T. 7N., R. 7W., sec. 24	25	12	77	0.2	-	-	<10	12	90	3.26	448	-	130
2069	B-4	T. 7N., R. 7W., sec. 24	25	11	83	0.1	-	-	<10	14	91	3.35	419	-	122
2070	B-4	T. 7N., R. 7W., sec. 24	28	11	89	0.1	-	-	<10	15	97	3.65	450	-	138
2072	B-4	T. 7N., R. 7W., sec. 26	23	11	71	0.2	-	-	<10	11	85	2.94	459	-	125
2074	B-4	T. 7N., R. 7W., sec. 35	27	11	79	0.1	-	-	<10	13	82	3.24	587	-	136
2075	B-4	T. 7N., R. 5W., sec. 27	29	9	64	0.1	-	-	<10	17	73	3.11	893	-	124
2077	B-4	T. 7N., R. 5W., sec. 27	30	8	66	0.1	-	-	<10	17	75	3.39	868	-	126
2078	B-4	T. 7N., R. 5W., sec. 27	28	8	58	0.1	-	-	<10	14	74	3.24	799	-	119
2079	B-4	T. 7N., R. 5W., sec. 27	35	7	63	0.3	-	-	<10	14	77	3.12	1740	-	132
2080	B-4	T. 7N., R. 5W., sec. 22	37	10	69	0.2	-	-	14	17	82	3.68	1390	-	134
2081	B-4	T. 7N., R. 5W., sec. 28	30	9	57	0.1	-	-	<10	12	74	2.97	396	-	128
2083	B-4	T. 6N., R. 5W., sec. 4	30	38	179	0.8	-	-	<10	13	75	3.40	607	-	126
2085	B-4	T. 6N., R. 5W., sec. 9	37	185	299	2.8	-	-	27	16	81	3.43	1470	-	122
2086	B-4	T. 6N., R. 5W., sec. 9	31	42	186	1.1	-	-	<10	17	77	3.39	434	-	127
2087	B-4	T. 5N., R. 5W., sec. 17	33	10	74	0.2	-	-	<10	17	82	3.39	8520	-	131
2088	B-4	T. 5N., R. 5W., sec. 17	20	8	56	0.1	-	-	<10	11	69	2.80	434	-	120
2090	B-4	T. 5N., R. 5W., sec. 17	27	9	78	0.1	-	-	<10	15	76	3.54	1030	-	123
2091	B-4	T. 5N., R. 5W., sec. 4	24	9	66	0.1	-	-	<10	11	69	2.54	363	-	119
2092	B-4	T. 5N., R. 5W., sec. 4	29	15	82	0.2	-	-	<10	13	76	3.05	410	-	130
2093	B-4	T. 5N., R. 5W., sec. 4	28	11	66	0.1	-	-	<10	13	71	2.86	609	-	123
2094	B-4	T. 5N., R. 5W., sec. 3	24	12	64	0.1	-	-	<10	<10	73	2.79	463	-	129
2096	B-4	T. 5N., R. 5W., sec. 3	22	12	70	0.1	-	-	<10	11	75	2.94	490	-	123
2097	B-4	T. 5N., R. 5W., sec. 3	22	11	57	0.1	-	-	<10	11	72	2.81	365	-	123
2098	B-4	T. 5N., R. 5W., sec. 2	21	10	59	0.1	-	-	<10	11	72	2.83	421	-	125
2099	B-4	T. 6N., R. 5W., sec. 35	33	11	78	0.3	-	-	<10	11	83	2.95	600	-	129
2100	B-4	T. 6N., R. 5W., sec. 26	23	10	72	<0.1	-	-	<10	12	76	3.11	589	-	126
2122	C-4	T. 10N., R. 5W., sec. 6	37	12	80	<0.1	-	-	<10	18	70	4.93	564	-	122
2124	C-3	T. 11N., R. 4W.	26	7	101	<0.1	2	<1	<10	13	31	3.37	299	<1	36
2194	C-3	T. 11N., R. 3W.	32	8	36	<0.1	2	<1	<10	<10	23	2.38	602	<1	<1
2195	B-4	T. 7N., R. 7W., sec. 21	24	9	96	<0.1	2	<1	<10	13	64	3.92	502	<1	30
2196	B-4	T. 7N., R. 7W., sec. 21	30	8	61	<0.1	2	<1	<10	<10	36	2.91	747	<1	12
2197	B-4	T. 7N., R. 7W., sec. 21	23	8	61	<0.1	2	<1	<10	<10	40	3.13	570	<1	31
2501	C-3	T. 11N., R. 4W.	23	5	31	<0.1	2	<1	<10	<10	25	2.51	481	<1	10

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
2502	C-3	T.11N.,R.4W.	18	5	32	<0.1	<1	<1	<10	<10	21	2.64	309	<1	10
2504	B-4	T.7N.,R.7W.,sec.16	23	8	91	0.2	2	<1	<10	18	46	3.47	1370	<1	47
2505	B-4	T.7N.,R.7W.,sec.16	19	8	79	0.3	2	<1	<10	<10	28	2.66	323	<1	28
2506	B-4	T.7N.,R.7W.,sec.16	19	9	88	0.2	<1	<1	<10	<10	35	2.64	252	<1	38
2804	B-3	T.7N.,R.4W.,sec.21	38	14	96	0.2	-	<1	<10	16	30	4.64	666	<1	44
2805	B-4	T.7N.,R.4W.,sec.21	37	14	89	0.6	-	<1	<10	12	24	3.81	500	<1	31
2806	B-3	T.7N.,R.4W.,sec.21	22	18	76	0.2	-	<1	<10	11	21	2.95	552	<1	30
3161	B-4	T.8N.,R.6W.,sec.26	47	13	118	0.3	-	-	<10	<10	38	3.25	598	<1	25
3167	B-3	T.6N.,R.3W.,sec.12	72	21	130	0.2	-	-	20	20	36	5.34	793	-	22
3168	C-4	T.11N.,R.5W.,sec.35	39	11	152	0.2	-	-	<10	22	75	3.87	2490	-	120
3170	C-4	T.10N.,R.5W.,sec.4	37	11	78	0.2	-	-	<10	14	71	3.46	613	-	125
3171	B-4	T.6N.,R.6W.,sec.7	66	18	96	0.5	-	-	<10	<10	38	3.25	598	<1	25
3218	B-3	T.7N.,R.5W.,sec.1	35	88	203	0.4	-	-	<10	14	77	3.41	817	-	133
3224	B-4	T.7N.,R.5W.,sec.11	47	86	212	1.1	-	-	31	13	73	3.05	576	-	129
3226	B-4	T.7N.,R.5W.,sec.11	298	70	93	0.9	-	-	68	<10	64	9.46	173	-	123
3234	C-3	T.11N.,R.2W.	15	7	60	0.1	-	-	<10	<10	62	2.65	523	-	126
3236	C-3	T.11N.,R.2W.	11	6	35	<0.1	-	-	<10	12	59	2.53	422	-	120
3237	C-3	T.11N.,R.2W.	19	11	60	0.1	-	-	<10	21	67	3.55	1220	-	122
3238	C-3	T.11N.,R.3W.	68	54	206	0.5	-	-	15	27	113	4.55	614	-	112
3239	C-3	T.11N.,R.3W.	45	16	102	0.1	-	-	<10	24	94	4.67	877	-	138
3241	C-3	T.10N.,R.3W.	19	20	72	<0.1	<1	<1	<10	19	24	3.36	1680	<1	24
3242	C-3	T.10N.,R.3W.	12	9	50	<0.1	2	<1	<10	12	20	2.49	525	<1	22
3243	C-3	T.10N.,R.3W.	12	10	57	<0.1	2	<1	<10	<10	19	2.58	486	<1	20
3244	C-3	T.10N.,R.3W.	13	12	61	<0.1	2	<1	<10	14	21	3.06	630	<1	20
3245	C-3	T.11N.,R.3W.	14	8	54	<0.1	<1	<1	<10	10	20	2.38	383	<1	23
3246	C-3	T.11N.,R.3W.	8	9	55	<0.1	<1	<1	<10	11	20	2.71	327	<1	20
3247	C-3	T.11N.,R.3W.	12	10	63	<0.1	2	<1	<10	12	22	3.08	496	<1	21
3248	C-3	T.11N.,R.3W.	12	9	77	<0.1	2	<1	<10	<10	25	2.71	422	<1	34
3249	C-3	T.11N.,R.3W.	11	10	53	<0.1	<1	<1	<10	<10	18	2.47	330	<1	23
3250	C-3	T.11N.,R.3W.	21	13	118	<0.1	2	<1	<10	23	24	3.10	1970	<1	24
3251	C-3	T.10N.,R.4W.	22	9	97	<0.1	3	<1	<10	14	30	3.71	689	<1	29
3252	C-3	T.10N.,R.4W.	28	11	90	<0.1	2	<1	<10	14	26	3.00	1080	<1	29
3522	C-4	T.11N.,R.5W.,sec.35	37	11	90	0.1	-	-	<10	15	77	3.91	656	-	120
4201	C-4	T.10N.,R.6W.,sec.8	30	11	65	0.2	-	-	<10	<10	64	2.81	389	-	119
4203	C-4	T.10N.,R.6W.,sec.36	27 ²	8	75 ²	0.1	-	-	19	-	-	-	-	-	-
4205	C-4	T.9N.,R.6W.,sec.1	22 ²	6	61 ²	0.1	-	-	<10	-	-	-	-	-	-
4206	C-4	T.9N.,R.6W.,sec.1	21 ²	7	68 ²	0.1	-	-	12	-	-	-	-	-	-
4207	C-4	T.9N.,R.6W.,sec.2	17 ²	5	62 ²	0.1	-	-	<10	-	-	-	-	-	-
4208	C-4	T.9N.,R.6W.,sec.1	20 ²	6	66 ²	0.1	-	-	<10	-	-	-	-	-	-
4209	C-4	T.9N.,R.6W.,sec.1	22 ²	6	61 ²	0.1	-	-	<10	-	-	-	-	-	-
4210	C-4	T.9N.,R.6W.,sec.12	17 ²	4	66 ²	0.1	-	-	<10	-	-	-	-	-	-
4211	C-4	T.9N.,R.6W.,sec.12	20 ²	6	66 ²	0.1	-	-	<10	-	-	-	-	-	-
4214	C-4	T.9N.,R.6W.,sec.12	24 ²	7	85 ²	0.2	-	-	12	-	-	-	-	-	-
4217	C-4	T.9N.,R.6W.,sec.10	49 ²	4	67 ²	0.2	-	-	<10	-	-	-	-	-	-
4218	C-4	T.9N.,R.6W.,sec.10	43 ²	8	71 ²	0.1	-	-	<10	-	-	-	-	-	-
4219	C-4	T.10N.,R.6W.,sec.10	18 ²	7	74 ²	0.1	-	-	<10	-	-	-	-	-	-
4222	C-4	T.10N.,R.6W.,sec.10	20 ²	7	63 ²	0.1	-	-	<10	-	-	-	-	-	-

¹Atomic-absorption spectrophotometry, DGGS lab²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
4223	C-4	T.10N.,R.6W.,sec.3	18 ²	7	69 ²	0.1	-	-	<10	-	-	-	-	-	-
4224	C-4	T.11N.,R.6W.,sec.34	18 ²	6	65 ¹	0.1	-	-	<10	-	-	-	-	-	-
4226	C-4	T.11N.,R.6W.,sec.33	18 ²	7	66 ²	0.1	-	-	<10	-	-	-	-	-	-
4227	C-4	T.11N.,R.6W.,sec.33	14 ²	5	56 ²	0.1	-	-	<10	-	-	-	-	-	-
4229	C-4	T.11N.,R.6W.,sec.35	16 ²	6	62 ²	0.1	-	-	<10	-	-	-	-	-	-
4230	C-4	T.19N.,R.6W.,sec.34	15 ²	6	63 ²	<0.1	-	-	<10	-	-	-	-	-	-
4231	C-4	T.11N.,R.6W.,sec.27	14 ¹	5	65 ²	<0.1	-	-	<10	-	-	-	-	-	-
4232	C-4	T.11N.,R.6W.,sec.27	15 ²	4	57 ²	0.1	-	-	<10	-	-	-	-	-	-
4234	C-4	T.11N.,R.6W.,sec.27	20 ²	5	61 ²	0.1	-	-	<10	-	-	-	-	-	-
4235	C-3	T.9N.,R.4W.	12 ²	5	53 ²	0.1	-	-	<10	-	-	-	-	-	-
4237	C-3	T.10N.,R.4W.	17 ²	7	66 ²	0.2	-	-	<10	-	-	-	-	-	-
4238	C-3	T.10N.,R.4W.	12 ²	5	60 ²	0.1	-	-	<10	-	-	-	-	-	-
4239	C-3	T.10N.,R.4W.	19 ²	8	82 ²	0.2	-	-	<10	-	-	-	-	-	-
4240	C-3	T.10N.,R.4W.	15 ²	5	60 ¹	0.2	-	-	<10	-	-	-	-	-	-
4241	C-3	T.10N.,R.4W.	16 ²	6	93 ¹	0.2	-	-	<10	-	-	-	-	-	-
4242	C-3	T.9N.,R.3W.	22 ²	7	67 ²	0.2	-	-	<10	-	-	-	-	-	-
4244	C-3	T.9N.,R.3W.	26 ²	9	48 ²	0.2	-	-	<10	-	-	-	-	-	-
4245	C-3	T.9N.,R.3W.	20 ²	8	58 ²	0.1	-	-	<10	-	-	-	-	-	-
4246	C-3	T.9N.,R.3W.	24 ²	9	69 ²	0.1	-	-	<10	-	-	-	-	-	-
4248	C-3	T.9N.,R.3W.	22 ²	8	74 ²	0.1	-	-	<10	-	-	-	-	-	-
4249	C-3	T.9N.,R.3W.	21 ¹	9	49 ¹	0.1	-	-	<10	-	-	-	-	-	-
4250	C-3	T.9N.,R.3W.	23 ²	8	69 ²	0.1	-	-	<10	-	-	-	-	-	-
4252	C-3	T.9N.,R.3W.	16 ²	7	58 ²	0.1	-	-	<10	-	-	-	-	-	-
4254	C-3	T.9N.,R.3W.	14 ²	6	58 ²	0.1	-	-	<10	-	-	-	-	-	-
4255	C-3	T.9N.,R.3W.	11	5	41	<0.1	-	-	<10	<10	68	2.51	241	-	138
4256	C-3	T.9N.,R.3W.	15	6	55	0.1	-	-	<10	13	74	3.05	604	-	150
4257	C-3	T.9N.,R.3W.	15	5	51	0.1	-	-	<10	11	71	2.64	404	-	136
4258	C-3	T.9N.,R.3W.	23	7	63	<0.1	-	-	<10	14	77	3.26	633	-	151
4260	C-3	T.9N.,R.3W.	14	6	49	<0.1	-	-	<10	11	70	2.82	440	-	141
4261	C-3	T.9N.,R.3W.	19	6	61	0.1	-	-	<10	12	75	2.93	347	-	150
4262	C-3	T.9N.,R.3W.	18	6	58	0.1	-	-	<10	13	72	3.07	510	-	144
4263	C-3	T.9N.,R.3W.	24	9	98	0.4	-	-	<10	166	80	6.40	17800	-	144
4264	C-3	T.9N.,R.3W.	15	6	72	0.1	-	-	<10	34	73	4.94	1350	-	139
4265	C-3	T.9N.,R.3W.	17	6	61	0.1	-	-	<10	13	72	3.03	616	-	142
4266	C-3	T.9N.,R.3W.	16	6	58	0.2	-	-	<10	15	71	3.32	760	-	146
4267	C-3	T.10N.,R.3W.	15	5	50	0.1	-	-	<10	<10	69	2.56	319	-	141
4268	C-3	T.9N.,R.3W.	35	13	49	0.2	-	-	<10	15	72	3.27	782	-	144
4269	C-3	T.9N.,R.3W.	37	15	58	0.1	-	-	<10	14	73	3.26	1240	-	141
4271	C-3	T.9N.,R.3W.	28	14	48	0.1	-	-	<10	13	71	2.96	717	-	137
4273	C-3	T.9N.,R.3W.	27	12	47	0.1	-	-	<10	15	71	2.85	983	-	135
4274	C-3	T.9N.,R.3W.	20	9	50	<0.1	-	-	<10	11	71	3.07	532	-	139
4276	C-3	T.9N.,R.2W.	36	9	64	0.1	-	-	<10	11	74	2.75	283	-	143
4277	C-3	T.9N.,R.3W.	26	11	41	0.2	-	-	<10	11	69	3.37	359	-	141
4278	C-3	T.9N.,R.2W.	21	10	56	0.1	-	-	<10	18	70	3.10	978	-	136
4279	C-3	T.9N.,R.2W.	26	11	56	0.2	-	-	<10	15	71	3.31	732	-	128
4280	C-3	T.9N.,R.2W.	18	9	48	0.1	-	-	<10	13	66	2.60	589	-	127
4283	C-3	T.9N.,R.2W.	23	9	55	0.1	-	-	<10	17	69	3.43	874	-	126

¹Atomic-absorption spectrophotometry, DGGS lab

²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 1 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe (%)	Mn	Cd	Cr
4285	C-3	T.9N.,R.2W.	25	9	68	0.1	-	-	<10	20	74	4.02	2020	-	135
4286	C-3	T.8N.,R.2W.	34	5	60	0.1	-	-	<10	24	190	4.33	1050	-	219
4287	C-3	T.8N.,R.3W.	31	5	67	0.1	-	-	<10	32	272	4.67	1210	-	254
4289	C-3	T.8N.,R.3W.	18	6	65	0.1	-	-	<10	20	120	3.88	1010	-	169
4290	C-3	T.9N.,R.2W.	18	4	60	0.1	-	-	<10	27	265	4.08	612	-	282
4292	C-3	T.9N.,R.3W.	21	10	42	0.1	-	-	<10	10	64	2.56	157	-	122
4294	C-3	T.9N.,R.2W.	19	6	71	0.1	-	-	<10	19	179	3.62	530	-	226
4296	C-3	T.8N.,R.3W.	20	7	68	0.1	-	-	<10	14	79	3.37	523	-	140

¹Atomic-absorption spectrophotometry, DCCS lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 2. Pan-concentrate-sample analyses, Livengood B-3, B-4, C-3, and C-4, Quadrangles, Alaska. (Hg analyses in ppb; all other analyses in ppm, unless otherwise stated; '-' indicates sample was not analyzed for this element.)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0006	C-4	T.8N.,R.6W.,sec.24	-	-	-	<0.1	-	-	<5	3	825	-	-	-	-	-	-	-
0012	B-4	T.8N.,R.6W.,sec.26	-	-	-	<0.1	-	-	<5	3	1100	-	-	-	-	-	-	-
0025	C-3	T.9N.,R.3W.	-	-	-	<0.1	-	-	<5	4	370	-	-	-	-	-	-	-
0027	C-3	T.9N.,R.3W.	-	-	-	<0.1	-	-	<5	2	400	-	-	-	-	-	-	-
0046	B-3	T.7N.,R.4W.,sec.16	-	-	-	<0.1	-	-	<5	3	800	-	-	-	-	-	-	-
0053	B-4	T.7N.,R.5W.,sec.11	-	-	-	<0.1	-	-	<5	98	580	-	-	-	-	-	-	-
0054	B-4	T.7N.,R.5W.,sec.11	-	-	-	<0.1	-	-	<5	3	1050	-	-	-	-	-	-	-
0060	B-4	T.7N.,R.5W.,sec.2	-	-	-	<0.1	-	-	<5	8	750	-	-	-	-	-	-	-
0064	B-4	T.7N.,R.5W.,sec.2	-	-	-	<0.1	-	-	<5	3	1250	-	-	-	-	-	-	-
0065	B-4	T.7N.,R.5W.,sec.2	-	-	-	<0.1	-	-	<5	3	585	-	-	-	-	-	-	-
0070	B-3	T.7N.,R.4W.,sec.29	-	-	-	<0.1	-	-	<5	2	775	-	-	-	-	-	-	-
0077	B-4	T.8N.,R.7W.,sec.25	45	-	111	<0.1	-	-	<5	3	40	-	12	25	4.26	432	-	70
0079	B-4	T.8N.,R.7W.,sec.25	44	-	172	<0.1	-	-	<5	4	40	-	16	20	5.02	850	-	61
0082	B-4	T.8N.,R.7W.,sec.25	46	-	87	<0.1	-	-	<5	3	40	-	15	28	2.82	1220	-	119
0084	B-4	T.8N.,R.7W.,sec.25	38	-	89	<0.1	-	-	<5	3	25	-	15	24	3.69	726	-	89
0088	B-4	T.8N.,R.6W.,sec.30	68	-	147	<0.1	-	-	<5	2	50	-	14	30	3.09	807	-	77
0094	B-3	T.6N.,R.3W.,sec.26	38	-	187	<0.1	-	-	<5	4	260	-	17	53	3.78	584	-	99
0098	B-3	T.6N.,R.3W.,sec.26	25	-	105	<0.1	-	-	<5	3	1200	-	18	42	4.24	605	-	126
0114	C-3	T.9N.,R.4W.	-	-	108	<0.1	-	-	<5	3	70	-	21	35	3.55	3130	-	91
0122	C-3	T.9N.,R.4W.	-	-	97	<0.1	-	-	<5	3	70	-	18	43	3.44	955	-	84
0130	C-3	T.9N.,R.4W.	-	-	92	<0.1	-	-	<5	2	35	-	19	37	4.18	999	-	79
0138	C-3	T.9N.,R.4W.	-	-	101	<0.1	-	-	<5	3	50	-	22	94	4.05	1110	-	173
0151	C-3	T.9N.,R.4W.	-	-	82	<0.1	-	-	<5	4	25	-	10	25	3.13	190	-	145
0156	B-3	T.7N.,R.3W.,sec.11	-	-	169	<0.1	-	-	<5	4	40	-	25	64	6.09	926	-	91
0158	B-3	T.7N.,R.3W.,sec.11	-	-	146	<0.1	-	-	<5	3	50	-	28	65	5.95	2410	-	117
0163	B-3	T.7N.,R.3W.,sec.14	-	-	145	<0.1	-	-	<5	4	55	-	23	59	5.08	1230	-	103
0166	B-3	T.6N.,R.3W.,sec.26	27	-	86	<0.1	-	-	<5	2	1200	-	18	44	4.11	810	-	146
0177	B-3	T.6N.,R.3W.,sec.28	26	-	80	<0.1	-	-	<5	2	80	-	11	27	3.27	436	-	142
0183	B-3	T.6N.,R.3W.,sec.32	25	-	58	<0.1	-	-	<5	3	70	-	17	64	4.12	895	-	194
0185	B-3	T.6N.,R.3W.,sec.31	41	-	172	<0.1	-	-	<5	3	150	-	25	72	5.84	1160	-	128
0194	B-3	T.7N.,R.4W.,sec.14	88	-	455	<0.1	-	-	<5	3	50	-	16	58	6.47	582	-	85
0199	B-3	T.7N.,R.4W.,sec.11	77	-	348	<0.1	-	-	<5	3	40	-	33	63	7.02	1830	-	98
0202	C-4	T.10N.,R.5W.,sec.32	41	-	169	<0.1	-	-	<5	3	40	-	23	44	5.85	639	<1	75
0204	C-4	T.10N.,R.5W.,sec.32	58	-	124	<0.1	-	-	<5	6	30	-	23	40	6.41	560	<1	39
0207	C-4	T.10N.,R.5W.,sec.32	44	-	154	<0.1	-	-	<5	2	50	-	22	43	5.94	732	<1	57
0211	C-4	T.11N.,R.5W.,sec.33	52	-	137	<0.1	-	-	<5	2	60	-	21	40	5.52	1030	<1	64
0213	C-4	T.11N.,R.5W.,sec.33	47	-	148	<0.1	-	-	<5	2	50	-	24	33	6.16	1020	<1	55
0219	C-4	T.11N.,R.5W.,sec.33	37	-	109	<0.1	-	-	<5	5	40	-	20	33	5.73	689	<1	60
0221	C-4	T.10N.,R.5W.,sec.4	35	-	100	<0.1	-	-	<5	2	40	-	18	27	5.60	717	<1	66
0222	C-4	T.10N.,R.5W.,sec.17	88	-	184	<0.1	-	-	<5	2	45	-	25	46	5.05	2090	<1	47
0225	C-4	T.10N.,R.5W.,sec.18	173	-	194	<0.1	-	-	<5	2	70	-	29	57	7.49	1320	2	69

Table 2 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0228	C-4	T. 9N., R. 7W., sec. 36	69	-	168	<0.1	-	-	<5	4	65	-	25	39	6.80	1200	<1	48
0232	C-4	T. 9N., R. 7W., sec. 2	67	-	163	<0.1	-	-	<5	2	45	-	25	33	6.40	1290	<1	49
0235	C-4	T. 9N., R. 7W., sec. 2	36	-	148	<0.1	-	-	<5	70	20	-	8	31	5.13	707	<1	61
0239	C-4	T. 8N., R. 7W., sec. 1	32	-	169	<0.1	-	-	<5	2	20	-	26	36	6.20	1280	<1	68
0253	C-4	T. 8N., R. 7W., sec. 2	28	-	216	<0.1	-	-	<5	2	10	-	27	34	6.95	1530	<1	59
0269	B-4	T. 6N., R. 5W., sec. 26	29	-	216	<0.1	-	-	<5	3	85	-	24	113	6.70	1220	-	192
0271	B-4	T. 5N., R. 5W., sec. 7	34	-	147	<0.1	-	-	<5	2	45	-	30	110	6.69	2340	-	202
0273	B-4	T. 5N., R. 5W., sec. 15	36	-	174	<0.1	-	-	<5	2	75	-	30	105	7.25	2660	-	162
0280	B-4	T. 5N., R. 5W., sec. 9	35	-	160	<0.1	-	-	<5	4	100	-	32	117	7.46	4950	-	193
0310	B-3	T. 6N., R. 4W., sec. 35	30	-	317	<0.1	-	-	<5	2	15	-	21	87	4.99	1740	-	204
0312	B-3	T. 6N., R. 4W., sec. 35	26	-	114	<0.1	-	-	<5	2	45	-	21	72	5.91	1160	-	204
0314	B-3	T. 6N., R. 2W., sec. 17	21	-	98	<0.1	-	-	<5	2	130	-	13	74	3.52	736	-	228
0316	B-3	T. 6N., R. 2W., sec. 17	22	-	105	<0.1	-	-	<5	2	35	-	22	86	4.99	1420	-	201
0322	B-3	T. 6N., R. 2W., sec. 19	17	-	102	<0.1	-	-	<5	2	50	-	12	71	3.07	595	-	235
0325	B-3	T. 6N., R. 2W., sec. 19	20	-	86	<0.1	-	-	<5	3	80	-	16	76	3.71	934	-	198
0327	B-3	T. 6N., R. 2W., sec. 19	22	-	95	<0.1	-	-	<5	2	275	-	16	84	4.25	802	-	218
0365	B-3	T. 8N., R. 4W., sec. 27	-	-	-	<0.1	-	-	<5	2	1300	-	25	91	6.28	894	-	140
0385	B-4	T. 7N., R. 5W., sec. 22	-	-	-	<0.1	-	-	7	180	2600	-	29	112	7.04	2480	-	195
0396	B-4	T. 6N., R. 5W., sec. 23	-	-	-	<0.1	-	-	<5	3	1300	-	-	-	-	-	-	-
0399	B-3	T. 7N., R. 4W., sec. 31	-	-	-	<0.1	-	-	<5	4	1050	-	-	-	-	-	-	-
0405	B-3	T. 7N., R. 4W., sec. 32	-	-	-	<0.1	-	-	<5	5	2200	-	-	-	-	-	-	-
0415	C-4	T. 8N., R. 5W., sec. 13	-	-	-	<0.1	-	-	<5	3	60	-	-	-	-	-	-	-
0419	C-4	T. 8N., R. 5W., sec. 18	-	-	-	<0.1	-	-	<5	3	50	-	-	-	-	-	-	-
0424	B-4	T. 8N., R. 7W., sec. 26	-	-	-	<0.1	-	-	<5	3	30	-	-	-	-	-	-	-
0429	B-4	T. 8N., R. 7W., sec. 35	-	-	-	<0.1	-	-	<5	3	60	-	-	-	-	-	-	-
0433	B-4	T. 7N., R. 7W., sec. 1	-	-	-	<0.1	-	-	<5	4	80	-	-	-	-	-	-	-
0437	C-4	T. 9N., R. 5W., sec. 26	-	-	-	<0.1	-	-	<5	8	70	-	-	-	-	-	-	-
0442	C-4	T. 9N., R. 5W., sec. 26	-	-	-	<0.1	-	-	<5	2	55	-	-	-	-	-	-	-
0447	C-4	T. 9N., R. 5W., sec. 27	-	-	-	<0.1	-	-	<5	2	70	-	-	-	-	-	-	-
0452	C-3	T. 8N., R. 4W.	-	-	-	<0.1	-	-	<5	3	130	-	-	-	-	-	-	-
0456	C-3	T. 8N., R. 4W.	-	-	-	<0.1	-	-	<5	7	105	-	-	-	-	-	-	-
0461	C-3	T. 8N., R. 4W.	-	-	-	<0.1	-	-	<5	2	130	-	-	-	-	-	-	-
0467	C-3	T. 8N., R. 4W.	-	-	-	<0.1	-	-	<5	3	50	-	-	-	-	-	-	-
0480	C-3	T. 9N., R. 3W.	-	-	-	<0.1	-	-	<5	4	60	-	-	-	-	-	-	-
0489	C-3	T. 8N., R. 3W.	-	-	-	<0.1	-	-	<5	3	80	-	-	-	-	-	-	-
0499	C-3	T. 8N., R. 2W.	-	-	-	<0.1	-	-	<5	4	50	-	-	-	-	-	-	-
0503	C-3	T. 8N., R. 2W.	-	-	-	<0.1	-	-	<5	3	65	-	-	-	-	-	-	-
0514	B-3	T. 6N., R. 3W., sec. 14	39	-	93	<0.1	-	-	<5	3	155	-	17	39	4.17	519	-	117
0525	B-3	T. 6N., R. 3W., sec. 11	49	-	140	<0.1	-	-	<5	3	340	-	21	48	4.83	1280	-	126
0530	B-3	T. 6N., R. 4W., sec. 1	41	-	134	<0.1	-	-	<5	4	55	-	25	78	5.57	2760	-	106
0537	B-3	T. 6N., R. 4W., sec. 12	34	-	109	<0.1	-	-	<5	2	85	-	29	58	6.95	2360	-	103
0541	B-3	T. 6N., R. 4W., sec. 4	42	-	155	<0.1	-	-	<5	2	115	-	26	68	7.02	1870	-	109
0543	B-3	T. 6N., R. 3W., sec. 4	39	-	141	<0.1	-	-	<5	3	100	-	26	58	6.33	973	-	101
0557	C-4	T. 10N., R. 6W., sec. 29	19	-	71	<0.1	0.2	-	<5	3	80	<10	<10	31	2.14	417	-	84

Table 2 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
0562	C-4	T.10N.,R.6W.,sec.20	39	-	103	<0.1	0.2	-	<5	3	60	19	11	29	3.32	427	-	39
0566	C-4	T.10N.,R.6W.,sec.31	45	-	104	<0.1	-	-	<5	2	30	-	23	40	6.01	12900	2	68
0572	C-4	T.10N.,R.5W.,sec.18	51	-	114	<0.1	-	-	<5	2	30	-	25	50	4.44	2200	<1	47
0575	C-4	T.10N.,R.5W.,sec.18	100	-	186	<0.1	-	-	<5	2	120	-	26	45	6.83	1310	<1	72
0578	C-4	T.11N.,R.5W.,sec.36	35	-	57	<0.1	-	-	<5	2	45	-	16	69	5.68	1800	2	70
0582	C-4	T.11N.,R.5W.,sec.36	65	-	185	<0.1	-	-	<5	2	105	-	17	26	4.83	834	<1	80
0590	C-4	T.8N.,R.6W.,sec.32	55	-	125	<0.1	-	-	<5	3	60	-	20	42	5.14	3080	<1	103
0592	C-4	T.8N.,R.6W.,sec.29	61	-	135	<0.1	-	-	<5	2	55	-	23	45	5.59	3700	<1	115
0599	C-4	T.9N.,R.6W.,sec.28	40	-	99	<0.1	-	-	<5	2	70	-	11	32	3.83	871	<1	134
0606	C-4	T.10N.,R.6W.,sec.19	87	-	101	<0.1	-	-	<5	2	30	-	25	50	4.44	2200	<1	47
0609	B-4	T.5N.,R.7W.,sec.15	8	-	36	<0.1	-	-	<5	2	20	-	10	10	3.27	267	<1	69
0613	B-4	T.5N.,R.7W.,sec.21	8	-	39	<0.1	-	-	<5	2	15	-	10	10	3.19	440	<1	106
0615	B-4	T.5N.,R.6W.,sec.7	21	-	192	<0.1	-	-	7	2	15	-	10	10	3.39	689	2	72
0617	B-4	T.5N.,R.6W.,sec.17	21	-	167	<0.1	-	-	9	13	20	-	10	13	3.60	850	<1	104
0619	B-4	T.5N.,R.6W.,sec.7	48	-	122	<0.1	-	-	18	160	60	-	17	15	4.70	7670	2	123
0735	C-3	T.8N.,R.4W.	-	-	-	<0.1	-	-	<5	3	5000	-	-	-	-	-	-	-
0744	B-4	T.7N.,R.5W.,sec.35	-	-	-	<0.1	-	-	<5	3	1100	-	-	-	-	-	-	-
0750	B-3	T.7N.,R.5W.,sec.36	-	-	-	<0.1	-	-	<5	2	600	-	-	-	-	-	-	-
0756	B-3	T.7N.,R.5W.,sec.25	-	-	-	<0.1	-	-	<5	3	2300	-	-	-	-	-	-	-
0763	B-3	T.7N.,R.5W.,sec.12	-	-	-	<0.1	-	-	7	3	1900	-	-	-	-	-	-	-
0798	C-4	T.8N.,R.6W.,sec.14	-	-	-	<0.1	-	-	<5	2	70	-	-	-	-	-	-	-
0800	C-4	T.8N.,R.6W.,sec.14	-	-	-	<0.1	-	-	<5	3	70	-	-	-	-	-	-	-
0809	C-4	T.8N.,R.6W.,sec.16	-	-	-	<0.1	-	-	<5	2	100	-	-	-	-	-	-	-
0811	C-4	T.8N.,R.6W.,sec.4	-	-	-	<0.1	-	-	<5	3	130	-	-	-	-	-	-	-
0818	C-4	T.8N.,R.6W.,sec.4	-	-	-	<0.1	-	-	<5	3	80	-	-	-	-	-	-	-
0830	C-4	T.8N.,R.5W.,sec.5	-	-	-	<0.1	-	-	<5	3	50	-	-	-	-	-	-	-
0839	C-4	T.8N.,R.5W.,sec.5	-	-	-	<0.1	-	-	<5	3	65	-	-	-	-	-	-	-
0865	C-3	T.9N.,R.4W.	-	-	-	<0.1	-	-	<5	3	100	-	-	-	-	-	-	-
0872	B-3	T.8N.,R.4W.,sec.30	-	-	-	<0.1	-	-	<5	2	620	-	-	-	-	-	-	-
0884	C-3	T.9N.,R.3W.	-	-	-	<0.1	-	-	<5	2	70	-	-	-	-	-	-	-
0887	C-3	T.9N.,R.4W.	-	-	-	<0.1	-	-	<5	3	65	-	-	-	-	-	-	-
0894	C-3	T.9N.,R.3W.	-	-	-	<0.1	-	-	<5	3	80	-	-	-	-	-	-	-
0898	B-3	T.7N.,R.3W.,sec.12	-	-	-	<0.1	-	-	<5	4	100	-	-	-	-	-	-	-
0920	B-3	T.6N.,R.3W.,sec.16	45	-	189	<0.1	-	-	<5	2	250	-	14	47	2.75	586	-	137
0925	B-3	T.6N.,R.3W.,sec.25	30	-	109	<0.1	-	-	<5	2	5000	-	21	49	4.38	842	-	138
0940	B-3	T.6N.,R.2W.,sec.31	23	-	230	<0.1	-	-	<5	5	20	-	19	29	4.15	991	<1	140
0943	B-3	T.6N.,R.2W.,sec.29	17	-	162	<0.1	-	-	<5	2	20	-	19	27	3.93	1500	<1	96
0945	B-3	T.6N.,R.2W.,sec.20	17	-	128	<0.1	-	-	<5	2	25	-	18	25	4.24	1320	<1	109
0950	C-4	T.10N.,R.6W.,sec.34	-	-	-	<0.1	-	-	<5	2	35	-	-	-	-	-	-	-
0955	C-4	T.10N.,R.6W.,sec.28	74	-	239	<0.1	-	-	<5	8	60	-	25	60	6.04	1540	-	86
0958	C-4	T.10N.,R.6W.,sec.28	36	-	144	<0.1	-	-	<5	2	30	-	16	31	4.16	1000	-	62
0963	C-4	T.11N.,R.5W.,sec.34	26	-	116	<0.1	-	-	<5	2	75	-	15	25	4.85	638	-	47
0967	C-4	T.11N.,R.5W.,sec.35	56	-	130	<0.1	-	-	<5	2	60	-	17	34	5.77	1080	-	65
0971	C-4	T.10N.,R.5W.,sec.11	84	-	208	<0.1	-	-	<5	2	110	-	25	55	7.28	1850	-	63
0993	C-4	T.8N.,R.7W.,sec.15	40	-	188	<0.1	-	-	<5	6	20	-	27	69	5.76	1410	-	120

Table 2 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1002	C-4	T.8N.,R.7W.,sec.10	30	-	166	<0.1	-	-	<5	4	30	-	21	38	6.10	983	-	75
1012	B-4	T.5N.,R.7W.,sec.12	7	-	33	<0.1	-	-	<5	2	20	-	10	10	2.10	197	-	124
1019	B-4	T.5N.,R.7W.,sec.11	12	-	45	<0.1	-	-	<5	2	25	-	10	14	3.09	499	-	120
1047	B-4	T.7N.,R.6W.,sec.10	-	-	-	0.1	-	-	<5	3	1800	-	-	-	-	-	-	-
1058	C-3	T.8N.,R.4W.	-	-	-	<0.1	-	-	<5	5	600	-	-	-	-	-	-	-
1063	C-3	T.8N.,R.4W.	-	-	-	<0.1	-	-	<5	3	750	-	-	-	-	-	-	-
1070	C-3	T.8N.,R.4W.	-	-	-	<0.1	-	-	<5	3	420	-	-	-	-	-	-	-
1074	B-3	T.7N.,R.5W.,sec.24	-	-	-	<0.1	-	-	<5	4	800	-	-	-	-	-	-	-
1084	B-4	T.7N.,R.5W.,sec.26	-	-	-	<0.1	-	-	<5	3	800	-	-	-	-	-	-	-
1087	B-4	T.7N.,R.5W.,sec.26	-	-	-	<0.1	-	-	<5	3	800	-	-	-	-	-	-	-
1098	B-4	T.7N.,R.5W.,sec.33	-	9	-	<0.1	-	<1	<5	4	900	-	-	-	-	-	-	-
1099	B-4	T.7N.,R.5W.,sec.33	-	10	-	<0.1	-	<1	-	-	-	-	-	-	-	-	-	-
1118	C-4	T.8N.,R.6W.,sec.15	7	10	30	<0.1	-	<1	<5	3	70	-	10	11	2.33	119	-	99
1127	C-4	T.8N.,R.6W.,sec.16	44	12	48	<0.1	-	<1	<5	2	120	-	17	18	2.60	1140	-	109
1132	C-4	T.8N.,R.6W.,sec.8	54	9	116	<0.1	-	<1	<5	5	90	-	24	42	4.88	2070	-	102
1141	B-4	T.7N.,R.6W.,sec.3	24	6	64	1.0	-	<1	<5	3	105	-	52	775	5.99	686	-	729
1149	B-4	T.7N.,R.6W.,sec.1	32	6	57	0.1	-	<1	<5	4	60	-	42	459	5.30	809	-	479
1158	C-4	T.8N.,R.6W.,sec.18	37	6	64	0.1	-	<1	<5	3	70	-	15	39	3.18	1300	-	136
1165	C-4	T.8N.,R.6W.,sec.18	30	7	92	0.1	-	<1	<5	2	65	-	19	19	3.67	1610	-	81
1171	C-4	T.8N.,R.6W.,sec.17	29	8	114	0.1	-	<1	<5	4	80	-	18	23	3.54	1260	-	89
1185	C-3	T.9N.,R.4W.	16	-	29	0.2	-	-	<5	4	35	-	10	11	1.56	13	-	141
1200	C-3	T.9N.,R.3W.	19	-	70	0.2	-	-	<5	2	255	-	10	16	2.13	51	-	79
1209	C-3	T.9N.,R.3W.	21	-	57	<0.1	-	-	<5	5	45	-	10	17	2.12	35	-	78
1217	B-3	T.7N.,R.2W.,sec.32	30	8	111	0.1	-	<1	<5	4	210	-	12	26	3.40	428	-	119
1225	B-3	T.7N.,R.3W.,sec.24	27	-	93	<0.1	-	-	<5	2	255	-	16	27	3.78	758	-	87
1231	B-3	T.6N.,R.3W.,sec.34	28	-	98	<0.1	-	-	<5	3	370	-	19	33	5.31	740	-	90
1237	B-3	T.6N.,R.3W.,sec.34	43	-	161	<0.1	-	-	<5	3	190	-	17	54	3.85	764	-	107
1239	B-3	T.6N.,R.3W.,sec.34	37	7	140	<0.1	-	<1	<5	2	260	-	23	56	4.77	953	-	104
1243	B-3	T.5N.,R.3W.,sec.3	30	10	114	<0.1	-	<1	<5	2	130	-	19	42	4.03	1070	-	132
1255	B-3	T.5N.,R.2W.,sec.7	24	9	123	<0.1	-	-	<5	2	30	-	23	46	4.73	855	-	116
1262	B-3	T.5N.,R.3W.,sec.14	25	-	60	<0.1	-	-	<5	3	30	-	12	31	3.01	404	-	102
1267	B-3	T.5N.,R.3W.,sec.13	19	-	94	<0.1	-	-	<5	2	30	-	14	28	3.98	391	-	85
1280	C-4	T.10N.,R.7W.,sec.23	38	25	115	<0.1	-	<1	<5	3	30	-	20	40	6.15	935	-	62
1286	C-4	T.10N.,R.5W.,sec.22	25	9	92	<0.1	-	<1	<5	2	20	-	18	26	5.64	702	-	32
1298	C-4	T.10N.,R.5W.,sec.6	27	4	101	<0.1	-	<1	<5	4	40	-	13	37	4.15	465	-	139
1305	C-4	T.9N.,R.5W.,sec.7	35	9	126	<0.1	-	<1	<5	2	20	-	18	25	5.88	551	-	30
1311	B-4	T.8N.,R.7W.,sec.33	43	-	85	<0.1	-	-	<5	3	50	-	12	21	3.23	687	-	120
1317	B-4	T.8N.,R.7W.,sec.34	25	9	69	<0.1	-	<1	<5	3	30	-	10	12	2.14	226	-	188
1326	B-4	T.5N.,R.7W.,sec.1	32	-	163	<0.1	-	-	<5	3	25	-	28	62	7.40	1790	-	116
1334	B-4	T.5N.,R.7W.,sec.10	19	-	99	<0.1	-	-	<5	3	20	-	11	24	4.24	820	-	96
1419	C-3	T.9N.,R.3W.	-	-	-	<0.1	-	-	<5	4	565	-	-	-	-	-	-	-
1433	C-3	T.8N.,R.3W.	-	-	-	<0.1	-	-	<5	3	520	-	-	-	-	-	-	-
1437	B-3	T.7N.,R.4W.,sec.19	-	-	-	<0.1	-	-	<5	4	570	-	-	-	-	-	-	-
1446	B-3	T.7N.,R.4W.,sec.20	-	-	-	<0.1	-	-	<5	3	900	-	-	-	-	-	-	-
1456	B-3	T.7N.,R.4W.,sec.20	-	-	-	<0.1	-	-	<5	3	850	-	-	-	-	-	-	-
1458	B-3	T.7N.,R.4W.,sec.20	-	-	-	<0.1	-	-	<5	2	1000	-	-	-	-	-	-	-
1467	B-3	T.7N.,R.5W.,sec.13	-	-	-	<0.1	-	-	505	360	2400	-	-	-	-	-	-	-

Table 2 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1476	B-3	T.6N.,R.5W.,sec.1	-	-	-	<0.1	-	-	<5	3	1150	-	-	-	-	-	-	-
1491	C-3	T.8N.,R.6W.,sec.24	73	-	202	<0.1	-	-	<5	2	140	-	10	42	3.90	775	-	126
1497	B-4	T.8N.,R.6W.,sec.26	42	-	101	<0.1	-	-	<5	2	200	-	21	50	3.43	624	-	84
1502	B-4	T.8N.,R.6W.,sec.26	39	-	122	<0.1	-	-	<5	2	105	-	20	47	4.08	1020	-	160
1506	B-4	T.7N.,R.6W.,sec.7	28	-	103	<0.1	-	-	<5	2	50	-	55	805	6.15	684	-	727
1511	B-4	T.7N.,R.6W.,sec.6	25	-	93	<0.1	-	-	<5	2	70	-	37	440	4.97	662	-	330
1515	B-4	T.7N.,R.7W.,sec.12	29	-	117	<0.1	-	-	<5	3	75	-	43	489	5.02	670	-	458
1518	B-4	T.7N.,R.7W.,sec.12	38	-	240	<0.1	-	-	<5	3	80	-	26	139	6.91	1130	-	163
1527	C-4	T.8N.,R.6W.,sec.6	49	-	151	<0.1	-	-	<5	5	125	-	30	74	5.97	924	-	104
1540	C-3	T.9N.,R.4W.	28	-	98	<0.1	-	-	<5	2	115	-	10	19	1.70	46	-	142
1548	C-3	T.8N.,R.4W.	26	-	58	<0.1	-	-	<5	2	270	-	10	32	1.11	106	-	202
1554	C-3	T.9N.,R.4W.	13	-	22	<0.1	-	-	<5	2	100	-	10	17	1.45	276	-	194
1556	C-3	T.8N.,R.4W.	45	-	133	<0.1	-	-	<5	2	60	-	41	84	8.62	2010	-	99
1559	C-3	T.8N.,R.4W.	60	-	166	<0.1	-	-	<5	2	90	-	42	57	8.41	2230	-	88
1566	C-4	T.8N.,R.5W.,sec.2	52	-	158	<0.1	-	-	<5	2	65	-	14	35	2.99	361	-	193
1572	C-3	T.8N.,R.3W.	27	-	49	<0.1	-	-	<5	3	80	-	10	10	1.64	80	-	72
1589	B-3	T.7N.,R.3W.,sec.3	51	-	170	<0.1	-	-	<5	3	85	-	30	66	7.52	1440	-	101
1612	B-3	T.7N.,R.3W.,sec.36	-	-	-	<0.1	-	-	<5	2	160	-	-	-	-	-	-	-
1616	B-3	T.7N.,R.3W.,sec.36	-	-	-	<0.1	-	-	<5	6	360	-	-	-	-	-	-	-
1620	B-3	T.6N.,R.3W.,sec.1	-	-	-	<0.1	-	-	<5	3	220	-	-	-	-	-	-	-
1623	B-3	T.6N.,R.3W.,sec.3	-	-	-	<0.1	-	-	<5	2	>5000	-	-	-	-	-	-	-
1628	B-3	T.6N.,R.3W.,sec.10	-	-	-	<0.1	-	-	<5	2	85	-	-	-	-	-	-	-
1631	B-3	T.6N.,R.3W.,sec.4	-	-	-	<0.1	-	-	<5	2	115	-	-	-	-	-	-	-
1633	B-3	T.6N.,R.3W.,sec.4	-	-	-	<0.1	-	-	<5	2	160	-	-	-	-	-	-	-
1637	B-3	T.5N.,R.3W.,sec.4	-	-	-	-	<0.1	-	<5	2	160	-	-	-	-	-	-	-
1642	B-3	T.5N.,R.3W.,sec.20	-	-	-	-	<0.1	-	<5	2	30	-	-	-	-	-	-	-
1647	C-4	T.10N.,R.6W.,sec.26	-	8	-	<0.1	<0.1	2	<5	3	25	-	-	-	-	-	-	-
1650	C-4	T.10N.,R.6W.,sec.26	56	-	136	<0.1	-	-	<5	2	25	-	19	36	5.08	1180	-	45
1654	C-4	T.10N.,R.6W.,sec.26	44	-	114	<0.1	-	-	<5	2	40	-	19	30	4.96	1110	-	34
1656	C-4	T.10N.,R.6W.,sec.23	47	-	102	<0.1	-	-	<5	3	25	-	17	32	5.25	1210	-	39
1663	C-4	T.10N.,R.6W.,sec.22	-	11	-	<0.1	<0.1	4	<5	2	150	-	-	-	-	-	-	-
1669	C-4	T.10N.,R.5W.,sec.30	44	-	103	<0.1	-	-	<5	2	15	-	20	34	5.44	632	-	33
1674	C-4	T.10N.,R.5W.,sec.20	29	-	88	<0.1	-	-	<5	2	25	-	14	27	4.77	421	-	45
1678	C-4	T.10N.,R.5W.,sec.20	31	-	128	<0.1	-	-	<5	2	20	-	1.8	24	5.77	654	-	26
1680	C-4	T.11N.,R.5W.,sec.36	45	-	169	<0.1	-	-	<5	2	50	-	22	73	4.88	1060	-	70
1682	C-4	T.11N.,R.5W.,sec.36	47	-	169	<0.1	-	-	<5	3	40	-	1.5	40	4.83	598	-	60
1687	C-4	T.10N.,R.6W.,sec.1	48	-	178	<0.1	-	-	<5	4	35	-	29	60	5.44	2050	-	59
1691	C-4	T.8N.,R.7W.,sec.13	38	-	123	<0.1	-	-	<5	2	30	-	24	59	6.06	1050	-	92
1700	B-4	T.7N.,R.7W.,sec.11	18	-	78	<0.1	0.1	-	<5	2	160	11	32	475	4.79	607	-	457
1709	B-4	T.6N.,R.6W.,sec.28	13	-	83	<0.1	-	-	<5	2	10	-	10	10	2.80	279	-	104
1771	C-3	T.8N.,R.4W.	-	-	-	<0.1	-	-	<5	2	1300	-	-	-	-	-	-	-
1801	B-4	T.7N.,R.5W.,sec.15	-	-	-	<0.1	-	-	13	25	1000	-	-	-	-	-	-	-
1808	B-4	T.6N.,R.5W.,sec.28	-	-	-	<0.1	-	-	<5	3	1200	-	-	-	-	-	-	-
1816	B-4	T.6N.,R.5W.,sec.33	-	-	-	<0.1	-	-	<5	3	1000	-	-	-	-	-	-	-
1825	C-4	T.8N.,R.6W.,sec.1	37	-	49	<0.1	-	-	<5	3	60	-	13	28	2.38	1310	-	96
1830	C-4	T.8N.,R.6W.,sec.1	39	-	56	<0.1	-	-	<5	2	60	-	16	32	2.99	1590	-	122

Table 2 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
1837	C-4	T.8N.,R.6W.,sec.11	37	-	61	<0.1	-	-	<5	2	50	-	13	30	2.63	929	-	87
1843	C-4	T.8N.,R.6W.,sec.2	37	-	80	<0.1	-	-	<5	2	60	-	15	34	3.23	1140	-	109
1850	B-4	T.7N.,R.6W.,sec.5	25	-	74	<0.1	-	-	<5	2	50	-	64	1040	7.20	777	-	840
1856	B-4	T.7N.,R.6W.,sec.4	37	-	56	<0.1	-	-	<5	2	50	-	54	730	5.51	839	-	612
1860	B-4	T.8N.,R.6W.,sec.33	40	-	73	<0.1	-	-	<5	2	180	-	49	624	5.61	907	-	518
1862	C-3	T.9N.,R.5W.	27	-	66	<0.1	-	-	<5	4	70	-	10	32	2.70	675	-	145
1867	C-4	T.9N.,R.5W.,sec.36	35	-	82	<0.1	-	-	<5	3	140	-	10	37	2.46	585	-	190
1878	C-4	T.8N.,R.5W.,sec.8	20	-	38	<0.1	-	-	<5	6	45	-	10	22	2.66	172	-	111
1884	C-4	T.8N.,R.5W.,sec.9	18	-	38	<0.1	-	-	<5	8	60	-	10	24	2.28	322	-	192
1890	C-3	T.8N.,R.4W.	35	-	111	<0.1	-	-	<5	2	60	-	28	56	6.91	712	-	93
1900	C-3	T.9N.,R.4W.	25	-	51	<0.1	-	-	<5	2	40	-	10	24	2.97	395	-	186
1906	C-3	T.9N.,R.4W.	28	-	83	<0.1	-	-	<5	2	45	-	11	40	3.49	497	-	141
1911	C-3	T.8N.,R.5W.	34	-	88	<0.1	-	-	<5	2	105	-	48	466	5.89	1470	-	524
1920	B-3	T.8N.,R.3W.,sec.25	35	-	113	<0.1	-	-	<5	2	40	-	21	57	5.77	1160	-	107
1926	B-3	T.8N.,R.3W.,sec.35	26	-	127	<0.1	-	-	<5	2	45	-	18	63	5.23	938	-	127
1928	B-3	T.8N.,R.3W.,sec.35	-	-	-	-	-	-	<5	3	140	-	-	-	-	-	-	-
1936	B-3	T.8N.,R.3W.,sec.27	34	-	180	<0.1	-	-	<5	2	135	-	27	59	5.78	1340	-	105
1939	B-3	T.7N.,R.3W.,sec.34	38	-	119	<0.1	-	-	<5	3	75	-	18	57	5.54	1060	-	111
1944	B-3	T.7N.,R.3W.,sec.27	33	-	154	<0.1	-	-	<5	2	90	-	21	65	6.22	1060	-	108
1954	B-3	T.5N.,R.3W.,sec.10	12	-	72	<0.1	-	-	<5	2	20	-	10	18	2.01	141	-	156
1961	B-3	T.5N.,R.3W.,sec.8	10	-	28	<0.1	-	-	<5	3	25	-	10	16	2.04	176	-	177
1964	B-3	T.5N.,R.2W.,sec.5	17	-	84	<0.1	-	-	<5	2	30	-	22	35	3.77	1460	-	127
1973	B-3	T.5N.,R.3W.,sec.1	13	-	52	<0.1	-	-	<5	4	35	-	12	23	2.63	1020	-	157
1979	C-4	T.10N.,R.6W.,sec.25	-	-	-	<0.1	-	-	<5	3	15	-	-	-	-	-	-	-
1991	C-4	T.10N.,R.5W.,sec.13	-	-	-	<0.1	-	-	<5	2	60	-	-	-	-	-	-	-
2018	B-4	T.8N.,R.7W.,sec.22	-	-	-	<0.1	-	-	<5	2	25	-	-	-	-	-	-	-
2023	B-4	T.8N.,R.7W.,sec.22	-	-	-	<0.1	-	-	<5	3	25	-	-	-	-	-	-	-
2031	C-4	T.8N.,R.7W.,sec.22	-	-	-	<0.1	-	-	<5	2	30	-	-	-	-	-	-	-
2039	B-4	T.6N.,R.6W.,sec.32	-	-	-	<0.1	-	-	<5	43	15	-	-	-	-	-	-	-
2044	B-4	T.6N.,R.6W.,sec.29	-	-	-	<0.1	-	-	<5	2	15	-	-	-	-	-	-	-
2049	B-4	T.6N.,R.6W.,sec.21	-	-	-	<0.1	-	-	<5	3	20	-	-	-	-	-	-	-
2052	B-4	T.6N.,R.7W.,sec.4	-	-	-	<0.1	-	-	<5	3	65	-	-	-	-	-	-	-
2058	B-4	T.7N.,R.7W.,sec.34	-	-	-	<0.1	-	-	<5	4	40	-	-	-	-	-	-	-
2060	B-4	T.7N.,R.7W.,sec.34	-	-	-	<0.1	-	-	<5	2	110	-	-	-	-	-	-	-
2066	B-4	T.7N.,R.7W.,sec.23	-	-	-	<0.1	-	-	<5	2	50	-	-	-	-	-	-	-
2071	B-4	T.7N.,R.7W.,sec.24	-	-	-	<0.1	-	-	<5	2	35	-	-	-	-	-	-	-
2073	B-4	T.7N.,R.7W.	-	-	-	-	<0.1	-	<5	2	50	-	-	-	-	-	-	-
2076	B-4	T.7N.,R.7W.,sec.22	39	-	132	<0.1	-	-	<5	30	30	-	30	113	7.62	1410	-	167
2082	B-4	T.7N.,R.5W.,sec.28	54	-	134	<0.1	-	-	<5	4	25	-	34	118	8.05	1900	-	158
2084	B-4	T.6N.,R.5W.,sec.4	35	-	371	<0.1	-	-	<5	3	50	-	31	113	7.66	2430	-	202
2089	B-4	T.5N.,R.5W.,sec.17	35	-	126	<0.1	-	-	<5	3	60	-	29	100	7.73	1430	-	169
2095	B-4	T.5N.,R.5W.,sec.3	28	-	162	-	-	-	-	-	-	-	27	104	6.60	1810	-	200
2198	B-4	T.7N.,R.7W.,sec.21	31	25	160	<0.1	<0.1	5	<5	-	-	11	20	76	4.80	761	-	120
4202	C-4	T.10N.,R.6W.,sec.8	40	-	153	<0.1	-	-	<5	3	40	-	25	91	6.28	894	-	140
4204	C-4	T.10N.,R.6W.,sec.35	-	9	-	<0.1	<0.1	-	<5	3	30	-	-	-	-	-	-	-
4212	C-4	T.9N.,R.6W.,sec.12	-	6	-	<0.1	<0.1	-	<5	3	20	-	-	-	-	-	-	-

Table 2 (Cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr
4216	C-4	T.9N.,R.6W.,sec.3	-	13	-	<0.1	<0.1	-	<5	4	20							
4220	C-4	T.10N.,R.6W.,sec.10	-	11	-	<0.1	<0.1	-	<5	4	25							
4221	C-4	T.10N.,R.6W.,sec.10	-	10	-	<0.2	<0.1	-	<5	5	30							
4225	C-4	T.11N.,R.6W.,sec.34	-	15	-	<0.1	<0.1	-	-	-	-							
4228	C-4	T.11N.,R.6W.,sec.33	-	14	-	<0.1	<0.1	-	<5	3	15							
4233	C-4	T.11N.,R.6W.,sec.27	-	7	-	<0.1	<0.1	-	<5	3	20							
4236	C-3	T.9N.,R.4W.	-	10	-	<0.1	<0.1	-	<5	3	20							
4243	C-3	T.9N.,R.3W.	-	9	-	<0.1	<0.1	-	<5	3	45							
4247	C-3	T.9N.,R.3W.	-	12	-	<0.1	<0.1	-	<5	4	25							
4251	C-3	T.9N.,R.3W.	-	10	-	<0.1	<0.1	-	<5	2	50							
4253	C-3	T.9N.,R.3W.	-	7	-	<0.1	<0.1	-	<5	3	65							
4259	C-3	T.9N.,R.3W.	-	9	-	<0.1	<0.1	-	<5	4	30							
4270	C-3	T.9N.,R.3W.	-	22	-	<0.1	<0.1	-	<5	5	140							
4275	C-3	T.9N.,R.3W.	-	11	-	<0.1	<0.1	-	<5	5	80							
4282	C-3	T.9N.,R.2W.	-	51	-	<0.1	<0.1	-	<5	5	75							
4284	C-3	T.9N.,R.2W.	-	5	-	<0.1	<0.1	-	<5	3	105							
4288	C-3	T.8N.,R.3W.	-	1	-	<0.1	<0.1	-	<5	3	60							
4291	C-3	T.9N.,R.2W.	-	8	-	<0.1	<0.1	<1	<5	2	60							
4293	C-3	T.9N.,R.3W.	-	5	-	<0.1	<0.1	2	<5	3	45							
4295	C-3	T.9N.,R.2W.	-	10	-	<0.1	<0.1	<1	<5	3	80							
4297	C-3	T.8N.,R.3W.	-	12	-	<0.1	<0.1	3	<5	2	210							

Table 3. Rock-sample analyses, Livengood B-3, B-4, C-3, and C-4 Quadrangles, Alaska. (Hg in ppb; all other elements in ppm unless otherwise stated; '-' indicates sample was not analyzed for this element.)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type	Description
0283	C-4	T.8N.,R.5W.,sec.23	102	31	72	0.2	0.8	8	-	<5	3	-	-	<10	50	5.78	65	-	146	5-ft CC	Stribnite and arsenopyrite vein
0284	C-4	T.8N.,R.5W.,sec.23	37	69	51	0.2	1.0	11	-	<5	3	-	-	<10	51	4.54	31	-	153	3-ft CC	Near silicified siltstone-intrusive contact
0285	C-4	T.8N.,R.5W.,sec.23	28	14	39	0.1	0.3	8	-	<5	5	-	-	<10	54	4.91	32	-	178	4-ft CC	Siltstone-intrusive contact
0286	C-4	T.8N.,R.5W.,sec.23	19	105	38	0.4	0.7	2	-	<5	4	-	-	<10	51	5.54	63	-	144	5-ft CC	Clay altered yellow-stained intrusive
0287	C-4	T.8N.,R.5W.,sec.23	18	116	68	<0.1	0.5	2	-	<5	30	-	-	<10	50	6.42	90	-	118	5-ft CC	Iron-stained porphyritic intrusive
0288	C-4	T.8N.,R.5W.,sec.23	22	13	36	0.1	0.2	9	-	<5	12	-	-	<10	55	5.08	33	-	174	1-ft CC	Altered zone
0289	C-4	T.8N.,R.5W.,sec.23	26	16	41	<0.1	0.2	7	-	<5	3	-	-	<10	53	3.35	85	-	195	4-ft CC	Clay-altered zone
0290	C-4	T.8N.,R.5W.,sec.23	33	16	36	1.0	0.5	6	-	<5	35	-	-	<10	61	8.05	41	-	144	3-ft CC	Shear zone at intrusive - siltstone contact
0291	C-4	T.8N.,R.5W.,sec.23	44	8	54	29.8	4.8	4	-	<5	31	-	-	<10	65	1.17	78	-	179	1-ft CC	Shear zone at intrusive - siltstone contact
0292	C-4	T.8N.,R.5W.,sec.23	93	17	56	5.0	0.9	8	-	<5	83	-	-	<10	52	7.82	141	-	185	5-ft CC	Yellow and orange clay-alternation zone
0293	C-4	T.8N.,R.5W.,sec.23	36	39	80	<0.1	0.4	9	-	<5	25	-	-	<10	54	4.71	75	-	245	5-ft CC	Yellow and orange iron stained clay-alteration zone
0294	C-4	T.8N.,R.5W.,sec.23	30	64	76	0.2	0.6	13	-	<5	6	-	-	<10	51	3.81	74	-	220	5-ft CC	Intrusive contact
0295	C-4	T.8N.,R.5W.,sec.23	40	30	77	<0.1	0.2	9	-	<5	5	-	-	<10	53	5.35	105	-	219	CC	Vertical altered zone
0296	C-4	T.8N.,R.5W.,sec.23	16	12	19	0.7	0.2	13	-	<5	3	-	-	<10	51	3.77	37	-	154	10-ft CC	Altered intrusive
0297	C-4	T.8N.,R.5W.,sec.23	15	7	16	<0.1	0.2	3	-	<5	4	-	-	<10	54	2.29	36	-	233	5-ft CC	Intrusive
0298	C-4	T.8N.,R.5W.,sec.23	186	45	33	0.8	0.7	3	-	<5	3	-	-	<10	48	6.67	100	-	126	1-ft CC	Intrusive contact
0299	C-4	T.8N.,R.5W.,sec.23	29	23	57	<0.1	0.1	7	-	<5	8	-	-	<10	51	4.60	120	-	163	1-ft-CC	Vertical altered zone above intrusive contact
0300	C-4	T.8N.,R.5W.,sec.23	13	8	5	0.4	0.2	3	-	<5	2	-	-	<10	50	2.22	10	-	183	4-ft CC	Feldspathic quartzite to quartzite
0301	C-4	T.8N.,R.5W.,sec.23	17	5	11	0.2	0.2	3	-	<5	2	-	-	<10	63	2.43	31	-	186	1-ft CC	Feldspathic quartzite to quartzite
0302	C-4	T.8N.,R.5W.,sec.23	30	19	35	0.3	0.6	3	-	<5	3	-	-	<10	54	5.30	173	-	104	5-ft CC	Felsic sill
0303	C-4	T.8N.,R.5W.,sec.23	29 ¹	25	46 ²	0.1	0.4	1	16	<5	4	-	-	<10	13	4.55	82	<1	25	1-ft CC	Sill in shale
0304	C-4	T.8N.,R.5W.,sec.23	16	7	27	<0.1	0.2	3	11	<5	3	-	-	<10	22	2.22	85	<1	129	1-ft CC	Quartz vein in shale
0305	C-4	T.8N.,R.5W.,sec.23	25	6	32	<0.1	0.1	10	5	<5	3	-	-	<10	16	4.37	36	<1	139	1-ft CC	Quartz vein
0306	C-4	T.8N.,R.5W.,sec.23	18	12	16	0.8	0.4	7	10	<5	3	-	-	<10	<10	3.13	34	<1	69	3-ft CC	Felsic quartzite
0307	C-4	T.8N.,R.5W.,sec.23	22	7	28	0.1	0.1	3	1	<5	2	-	-	<10	18	3.82	48	<1	91	3-ft CC	Altered zone
0308	C-4	T.8N.,R.5W.,sec.23	70	6	14	<0.3	0.1	<1	5	<5	2	-	-	<10	11	1.87	17	<1	80	2-ft CC	White feldspathic sandstone
0309	C-4	T.8N.,R.5W.,sec.23	13	3	10	<0.1	0.1	2	3	<5	3	-	-	<10	<10	1.06	15	<1	144	2-ft CC	Interbedded quartzite and feldspathic sandstone
0328	C-4	T.8N.,R.5W.,sec.23	13	7	24	0.1	0.1	2	2	<5	4	-	-	<10	12	4.07	27	<1	116	1-ft CC	Quartz vein in feldspathic quartzite

¹CC - chip channel, showing channel length
²CS - channel sample, showing channel length
 GB - grab sample

¹Atomic-absorption spectrophotometry, DCGS Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg

Table 3 (cont'd)

Sample	Quad- rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ^a	Description
0329	C-4	T.8N.,R.5W.,sec.23	28	26	41	<0.1	0.1	3	20	<5	14	-	-	<10	<10	4.68	37	<1	66	2-ft CC	Yellow and orange altered zone below soil
0330	C-4	T.8N.,R.5W.,sec.23	41	37	82	4.4	0.5	6	<5	<5	8	-	-	<10	32	3.88	216	<1	117	3-ft CC	Yellow and orange altered zone
0331	C-4	T.8N.,R.5W.,sec.23	19	27	37	0.1	0.1	6	17	<5	11	-	-	<10	<10	1.28	19	<1	23	4-ft CC	Yellow and orange altered zone
0332	C-4	T.8N.,R.5W.,sec.23	25	8	58	<0.1	<0.1	5	7	<5	3	-	-	<10	21	3.22	44	<1	68	1-ft CC	Vertical white altered zone in hornfelsed sandstone
0333	C-4	T.8N.,R.5W.,sec.23	32	7	41	<0.1	0.1	6	<5	<5	4	-	-	<10	22	3.47	43	<1	85	7-ft CC	Iron-stained sandstone and siltstone
0334	C-4	T.8N.,R.5W.,sec.23	14	10	<5	0.8	0.4	3	230	<5	3	-	-	<10	<10	1.27	<10	<1	92	4-ft CC	Green-stained sandstone
0335	C-4	T.8N.,R.5W.,sec.23	6	7	<5	0.1	0.2	3	102	<5	4	-	-	<10	<10	1.10	<10	<1	115	2-ft CC	Iron-stained sandstone
0336	C-4	T.8N.,R.5W.,sec.23	77	16	9	1.7	0.2	5	4.9%	<5	4	-	-	<10	16	1.62	<10	<1	112	4-ft CC	Altered intrusive
0337	C-4	T.8N.,R.5W.,sec.23	100	11	34	4.3	0.4	<1	33.9%	<5	5	-	-	<10	37	1.63	47	<1	45	3-ft CC	Altered intrusive
0338	C-4	T.8N.,R.5W.,sec.23	5	9	<5	0.8	0.4	<1	203	<5	3	-	-	<10	<10	1.20	<10	<1	119	6-ft CC	Clay-altered silicified hornfels
0339	C-4	T.8N.,R.5W.,sec.23	5	5	<5	0.5	0.2	4	296	<5	4	-	-	<10	<10	1.20	<10	<1	81	5-ft CC	Clay-altered silicified hornfels
0340	C-4	T.8N.,R.5W.,sec.23	6	27	<5	2.0	0.3	5	1475	<5	3	-	-	<10	<10	1.22	<10	<1	82	5-ft CC	Clay-altered silicified hornfels
0341	C-4	T.8N.,R.5W.,sec.23	20	9	8	1.5	0.8	4	7	<5	-	-	-	<10	11	2.13	<10	<1	155	5-ft CC	Clay-altered silicified hornfels
0342	C-4	T.8N.,R.5W.,sec.23	74	118	56	1.9	0.6	4	-	<5	-	-	-	22	51	2.50	36	3	103	5-ft CC	Yellow and orange altered zone
0343	C-4	T.8N.,R.5W.,sec.23	18	73	11	1.4	0.4	3	<5	<5	-	-	-	<10	<10	2.62	<10	<1	99	6-ft CC	Highly altered intrusive
0344	C-4	T.8N.,R.5W.,sec.23	16	32	5	0.3	0.2	5	<5	<5	-	-	-	<10	<10	3.18	<10	<1	58	3-ft CC	Altered intrusive
0345	C-4	T.8N.,R.5W.,sec.23	41	45	62	0.1	0.1	5	<5	<5	-	-	-	<10	<10	4.83	35	<1	94	3-ft CC	Altered zone
0346	C-4	T.8N.,R.5W.,sec.23	36	26	107	0.1	0.1	6	<5	<5	-	-	-	<10	19	4.09	171	<1	129	5-ft CC	Clay-altered intrusive
0347	C-4	T.8N.,R.5W.,sec.23	43	23	105	<0.1	0.1	7	<5	<5	-	-	-	<10	15	4.71	167	<1	121	3-ft CC	Altered zone with iron staining along fractures
0348	C-4	T.8N.,R.5W.,sec.23	42	22	97	0.1	0.1	7	<5	<5	-	-	-	<10	22	3.93	277	<1	140	5-ft CC	Altered biotite monzonite
0349	C-4	T.8N.,R.5W.,sec.23	24 ^b	27	41 ^b	2.8	0.3	5	<5	26	-	-	-	<10	11	3.83	45	<1	104	4-ft CC	Altered zone
2111	C-4	T.8N.,R.6W.,sec.17	24 ^b	1	24 ^b	0.7	<0.1	-	-	-	-	35	3 ^b	<10	<10	1.52	15	-	-	GS	Limonitic highly fractured chert
2112	C-4	T.8N.,R.6W.,sec.15	72 ^c	3	43 ^c	0.9	<0.1	-	-	-	-	30	3 ^b	<10	<10	2.27	<10	-	-	GS	Bleached zone in gravel pit
2113	C-4	T.9N.,R.5W.,sec.26	22 ^c	2	5 ^c	0.7	0.1	-	-	-	-	25	2 ^b	<10	<10	1.07	14	-	-	GS	Iron-stained chert
2114	C-3	T.9N.,R.5W	25 ^c	4	7 ^c	0.8	<0.1	-	-	-	-	25	3 ^b	<10	<10	1.14	<10	-	-	GS	Iron-stained chert
2115	C-3	T.9N.,R.4W	42 ^c	2	20 ^c	<0.1	<0.1	2	-	<5	2	-	-	<10	<10	-	-	-	-	GS	Iron-stained chert
2116	C-3	T.9N.,R.4W	24 ^c	2	15 ^c	<0.1	<0.1	3	-	<5	2	-	-	<10	<10	-	-	-	-	GS	Iron-stained chert
2117	C-4	T.8N.,R.5W.,sec.14	10	13	5	<0.1	0.3	<1	-	<5	3	-	-	<10	<10	7.48	<10	<1	93	GS	Black limonitic shale
2118	C-4	T.8N.,R.5W.,sec.14	13	36	59	0.3	0.4	<1	-	<5	3	-	-	<10	<10	4.09	146	<1	76	GS	Pyrite- and arsenopyrite-bearing rhyolite

^aCC - chip channel, showing channel length
 CS - channel sample, showing channel length
 CR - grab sample

¹Atomic-absorption spectrophotometry, DGCS Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Hg	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ²	Description
2119	B-3	T. 5N., R. 5W., sec. 24	123 ¹	2	91 ¹	<0.1	0.4	-	-	-	-	35	24	-	-	-	-	-	-	GS	Hematite vein filling in chert
2120	B-3	T. 5N., R. 4W., sec. 18	7 ¹	3	6 ¹	<0.1	0.1	-	-	-	-	15	<10	-	-	-	-	-	-	GS	Limonic chert
2121	C-4	T. 10N., R. 6W., sec. 6	4 ²	1	78 ²	<0.1	<0.1	3	-	<5	2	-	-	-	-	-	-	<1 ¹	-	GS	Plagioclase-bearing greenstone
2126	B-4	T. 6N., R. 7W., sec. 27	44	9	6	<0.1	<0.1	-	-	-	-	130	<10	<10	<10	2.44	153	-	213	GS	Iron-stained tan chert
2128	C-4	T. 8N., R. 5W., sec. 23	115	10	121	<0.1	<0.1	-	-	-	-	135	74	19	51	9.61	140	-	100	25-ft CC	Iron and clay alteration in vein within siltstone
2129	C-4	T. 8N., R. 5W., sec. 23	33	6	120	<0.1	0.2	4	-	-	3	5	-	<10	26	387	16	<1	67	GS	Altered siltstone
2130	C-4	T. 8N., R. 5W., sec. 23	96	84	179	<0.1	0.4	4	-	-	3	5	-	<10	13	7.31	325	<1	48	8-ft CC	Clay alteration in intrusive
2131	C-4	T. 8N., R. 5W., sec. 23	60	99	75	<0.1	0.5	6	-	-	3	5	-	<10	<10	4.80	74	<1	71	8-ft CC	Clay alteration
2132	C-4	T. 8N., R. 5W., sec. 23	46	74	69	<0.1	0.7	3	-	-	4	5	-	<10	<10	3.97	25	<1	70	8-ft CC	Clay alteration
2133	C-4	T. 8N., R. 5W., sec. 23	63	40	134	0.1	0.5	1	-	-	33	5	-	<10	12	6.25	88	<1	53	2-ft CC	Iron-altered zone
2134	C-4	T. 8N., R. 5W., sec. 23	104	31	58	3.7	0.8	9	-	-	6	5	-	<10	<10	9.35	159	<1	76	CC	Clay and iron alteration
2135	C-4	T. 8N., R. 5W., sec. 23	25	15	46	0.1	0.3	19	-	-	4	5	-	<10	<10	3.42	31	<1	197	10-ft CS	Quartz vein
2136	C-4	T. 8N., R. 5W., sec. 23	19	9	26	0.2	0.3	5	-	-	6	5	-	<10	21	3.82	70	<1	160	5-ft CS	Quartz vein in siltstone above intrusive
2138	C-4	T. 8N., R. 5W., sec. 23	38	9	71	0.1	0.2	3	-	-	3	5	-	<10	33	4.51	162	<1	196	CC	Quartz vein in shale siltstone
2139	C-4	T. 8N., R. 5W., sec. 23	73	6	5	2.9	0.5	17	-	-	3	5	-	<10	14	2.17	10	<1	203	GS	Quartz vein in sandstone
2140	C-4	T. 8N., R. 5W., sec. 23	9	17	6	0.3	0.2	5	-	-	4	5	-	<10	<10	1.48	10	<1	199	GS	Quartz vein in gouge zone
2141	C-4	T. 8N., R. 5W., sec. 23	24	24	33	0.2	0.1	9	-	-	22	5	-	<10	<10	3.38	17	<1	79	GS	White gouge zone with quartz veins
2142	B-4	T. 7N., R. 5W., sec. 10	55	9	5	<0.1	0.4	5	-	<5	3	-	-	<10	<10	2.15	18	<1	60	GS	Argillite
2143	B-4	T. 7N., R. 5W., sec. 10	613	10	70	<0.1	1.9	7	-	<5	4	-	-	<10	17	8.75	10	<1	44	GS	Quartz porphyry
2144	B-4	T. 7N., R. 5W., sec. 10	214	63	9	<0.1	0.9	63	-	7	3	-	-	<10	13	2.87	10	<1	109	CC	Quartz porphyry
2145	B-4	T. 7N., R. 5W., sec. 10	330	8	15	<0.1	1.5	25	-	<5	2	-	-	<10	11	2.60	56	<1	201	GS	Yellow-stained silicified siltstone
2146	B-4	T. 7N., R. 5W., sec. 10	368	14	30	<0.1	1.4	29	-	<5	33	-	-	<10	<10	3.07	27	<1	74	GS	Clay alteration in granite
2147	B-4	T. 7N., R. 5W., sec. 10	1170	12	16	<0.1	2.5	23	-	<5	2	-	-	<10	<10	3.92	81	<1	94	GS	Quartz porphyry
2148	B-4	T. 7N., R. 5W., sec. 10	80	71	16	<0.1	1.4	68	-	<5	6	-	-	<10	<10	3.04	18	<1	155	GS	Quartz porphyry
2149	B-4	T. 7N., R. 5W., sec. 10	163	22	17	<0.1	3.4	48	-	<5	3	-	-	<10	<10	2.90	28	<1	96	GS	Quartz porphyry, granite, and silicic argillite
2150	B-4	T. 7N., R. 5W., sec. 10	496	74	72	<0.1	2.3	27	-	<5	12	-	-	<10	21	4.47	159	<1	117	GS	Quartz veins in silicic siltstone
2151	B-4	T. 7N., R. 5W., sec. 10	112	4	69	<0.1	0.1	7	-	<5	3	-	-	12	35	5.18	398	<1	180	GS	Silicic siltstone
2152	B-4	T. 7N., R. 5W., sec. 10	1330	14	29	<0.1	1.3	30	-	<5	4	-	-	17	14	3.38	36	<1	65	GS	Propylitic granite
2153	B-4	T. 7N., R. 5W., sec. 10	80	22	23	<0.1	0.3	195	-	<5	28	-	-	<10	12	1.60	10	<1	204	GS	Silicified quartz porphyry
2154	B-4	T. 7N., R. 5W., sec. 10	133	620	136	<0.1	3.0	143	-	<5	35	-	-	<10	16	3.07	179	3	136	CC	Silicified quartz porphyry
2155	B-4	T. 7N., R. 5W., sec. 23	367 ²	6	4 ¹	<0.1	0.3	2	-	25	50	-	-	28	58	10.10	370	<1	67	CC	Iron-stained shale
2156	B-4	T. 7N., R. 5W., sec. 23	36 ¹	6	52 ¹	<0.1	0.1	2	-	<5	3	-	-	<10	14	6.59	54	<1	145	CC	Iron-stained shale
2157	B-4	T. 7N., R. 5W., sec. 23	560 ²	4	13 ²	<0.1	<0.1	2	-	13	23	-	-	32	87	10.40	474	<1	77	CC	Iron-stained shale
2158	B-4	T. 7N., R. 5W., sec. 23	465 ¹	4	13 ²	<0.1	0.2	<1	-	12	40	-	-	27	57	8.32	279	<1	75	CC	Felsic dike

¹CC - chip channel, showing channel length
²CS - channel sample, showing channel length
 GB - grab sample

¹Atomic-absorption spectrophotometry, DCGS Lab
²Atomic-absorption spectrophotometry, Bendar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ^a	Description
2159	B-4	T. 7N., R. 5W., sec. 23	820 ^b	4	28 ^b	<0.1	0.2	1	-	8	65	-	-	46	71	7.73	248	<1	75	CC	Iron-stained shale
2160	B-4	T. 7N., R. 5W., sec. 23	680 ^b	6	20 ^b	0.2	0.4	1	-	25	19	-	-	37	87	6.42	134	<1	162	CC	Iron-stained shale with quartz veins
2161	B-4	T. 7N., R. 5W., sec. 23	1095 ^b	12	30 ^b	0.1	0.3	2	-	<5	65	-	-	46	81	8.97	212	<1	126	CC	Iron-stained shale
2162	B-4	T. 7N., R. 5W., sec. 23	705 ^b	10	24 ^b	<0.1	0.6	2	-	15	17	-	-	33	55	6.68	114	<1	75	CC	Iron-stained shale
2163	B-4	T. 7N., R. 5W., sec. 23	710 ^b	23	43 ^b	<0.1	1.1	2	-	11	20	-	-	33	66	7.20	182	<1	103	CC	Silicified shale with quartz veins
2164	B-4	T. 7N., R. 5W., sec. 23	540 ^b	18	28 ^b	0.2	0.8	2	-	<5	10	-	-	33	47	6.38	134	<1	185	CC	Yellow-stained shale with quartz veins
2165	B-4	T. 7N., R. 5W., sec. 23	500 ^b	4	2 ^b	0.1	0.1	2	-	12	32	-	-	23	51	7.32	90	<1	115	CC	Yellow-stained shale with quartz veins
2166	B-4	T. 7N., R. 5W., sec. 23	1130 ^b	7	9 ^b	<0.1	0.2	1	-	7	45	-	-	56	60	7.03	135	<1	83	CC	Iron-stained shale
2167	B-4	T. 7N., R. 5W., sec. 23	1300 ^b	1	8 ^b	<0.1	0.2	1	-	<5	62	-	-	53	55	7.95	167	<1	76	CC	Dike
2168	B-4	T. 7N., R. 5W., sec. 23	700 ^b	6	4 ^b	<0.1	0.4	2	-	20	23	-	-	25	45	6.62	60	<1	66	CC	Iron-stained shale
2169	B-4	T. 7N., R. 5W., sec. 23	615 ^b	7	8 ^b	<0.1	1.1	2	-	7	10	-	-	53	56	7.61	192	<1	83	CC	Iron-stained shale
2170	B-4	T. 7N., R. 5W., sec. 23	420 ^b	9	4 ^b	<0.1	0.6	1	-	7	31	-	-	27	53	7.29	96	<1	94	CC	Bleached shale or dike
2171	B-4	T. 7N., R. 5W., sec. 23	228 ^b	4	4 ^b	<0.1	0.2	2	-	25	55	-	-	17	32	8.86	34	<1	77	CC	Copper stained quartz veins
2172	B-4	T. 7N., R. 5W., sec. 23	480 ^b	4	7 ^b	<0.1	1.8	2	-	18	10	-	-	47	53	7.11	68	<1	84	CC	Iron-stained shale
2173	B-4	T. 7N., R. 5W., sec. 23	1150 ^b	9	13 ^b	0.1	1.2	2	-	6	10	-	-	57	68	9.06	101	<1	96	CC	Iron-stained shale
2174	B-4	T. 7N., R. 5W., sec. 23	1230 ^b	30	20 ^b	<0.1	2.4	2	-	<5	4	-	-	184	46	9.80	106	<1	99	CC	Iron-stained shale
2175	B-4	T. 7N., R. 5W., sec. 23	1000 ^b	8	10 ^b	0.4	2.9	2	-	17	3	-	-	53	53	7.66	182	<1	83	CC	Iron-stained shale
2176	B-4	T. 7N., R. 5W., sec. 23	186 ^b	11	1 ^b	<0.1	0.2	-	-	<5	2	-	-	24	65	6.46	133	<1	237	CC	Massive quartz rubble
2177	B-4	T. 7N., R. 5W., sec. 23	3130 ^b	10	43 ^b	<0.1	0.6	-	-	6	23	-	-	42	97	11.60	264	<1	77	CC	Brecciated rubble
2178	C-4	T. 8N., R. 6W., sec. 15	71	18	80	<0.1	<0.1	-	-	-	-	35	<10 ³	11	44	3.20	1520	<1	330	CC	Yellow-stained tan/orange chert
2179	C-4	T. 8N., R. 6W., sec. 15	210	65	204	<0.1	<0.1	-	-	-	-	100	14 ³	19	51	8.32	5740	2	259	CC	Red, yellow, and black veining in tan chert
2180	C-4	T. 8N., R. 6W., sec. 15	190	66	210	<0.1	<0.1	-	-	-	-	60	12 ³	21	40	9.39	2860	<1	230	CC	Red, yellow, and black veining in tan chert
2181	C-4	T. 8N., R. 6W., sec. 15	52	76	74	<0.1	<0.1	-	-	-	-	30	21 ³	9	26	2.43	328	<1	277	CC	Yellow weathering in tan/orange chert
2182	C-4	T. 8N., R. 6W., sec. 15	51	4	35	<0.1	<0.1	-	-	-	-	20	<10 ³	8	20	1.77	56	<1	151	CC	Light weathering or yellow/brown chert
2183	C-4	T. 8N., R. 6W., sec. 15	26	5	16	<0.1	<0.1	-	-	-	-	30	<10 ³	3	74	.48	10	<1	111	CC	Light gray weathered chert
2184	C-4	T. 8N., R. 6W., sec. 15	35	6	13	<0.1	<0.1	-	-	-	-	45	<10 ³	10	18	1.48	11	<1	165	CC	Chalky weathered chert
2185	C-4	T. 8N., R. 6W., sec. 15	37	4	9	<0.1	0.9	-	-	-	-	140	<10 ³	10	16	1.38	10	<1	292	CC	Gray chert with banded iron rich layers
2186	C-4	T. 8N., R. 6W., sec. 15	32	5	5	<0.1	<0.1	-	-	-	-	70	<10 ³	10	14	1.31	10	<1	216	CC	Chalky layers in banded chert
2188	C-4	T. 8N., R. 6W., sec. 15	27	5	5	<0.1	<0.1	-	-	-	-	90	13 ³	10	13	1.40	10	-	195	CC	Chalky layers in banded chert
2189	C-4	T. 8N., R. 6W., sec. 15	31	3	22	<0.1	<0.1	-	-	-	-	60	<10 ³	10	18	1.67	10	-	254	CC	Iron-stained chalky weathering in gray chert

^aCC - chip channel, showing channel length
^bCS - channel sample, showing channel length
^cGB - grab sample

¹Atomic-absorption spectrophotometry, DCGS Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ^a	Description
2190	C-4	T.8N.,R.6W.,sec.15	158	3	28	<0.1	<0.1	-	-	-	-	50	<10	73	65	1.50	1560	-	235	CC	Red-stained medium-gray chert
2191	C-4	T.8N.,R.6W.,sec.15	36	2	18	<0.1	<0.1	-	-	-	-	50	<10	16	19	9.61	140	-	222	CC	Orange- and black-veined gray chert
2451	B-3	T.7N.,R.4W.,sec.31	292 ¹	116	990 ¹	<0.1	0.4	23	-	<5	9	-	-	-	-	-	-	-	-	GS	Recrystallized biotite-quartz monzonite porphyry
2452	B-3	T.7N.,R.4W.,sec.31	107 ¹	10	92 ¹	<0.1	0.5	3	-	<5	30	-	-	-	-	-	-	-	-	GS	Shear zone in quartz porphyry
2453	B-3	T.7N.,R.4W.,sec.31	140 ¹	184	1020 ¹	<0.1	2.3	4	-	<5	5	-	-	-	-	-	-	-	-	GS	Recrystallized shale
2454	B-4	T.7N.,R.5W.,sec.14	246 ¹	64	14 ¹	<0.1	2.3	2	-	150	3	-	-	-	-	-	-	-	-	GS	Light-pink gray breccia bearing sandstone
2455	C-4	T.8N.,R.6W.,sec.13	165 ¹	9	9 ¹	1.3	0.2	84	-	<5	3	-	-	<10	12	-	-	-	-	GS	Iron-stained gossan in brecciated chert
2456	B-4	T.7N.,R.6W.,sec.8	25 ¹	1	15 ¹	<0.1	0.1	2	-	<5	2	-	-	-	-	-	-	-	-	GS	Serpentinite
2457	B-4	T.7N.,R.6W.,sec.8	73 ¹	1	25 ¹	<0.1	<0.1	3	-	<5	1	-	-	-	-	-	-	-	-	GS	Altered gabbro-diorite
2458	B-4	T.7N.,R.6W.,sec.8	5 ¹	1	60 ¹	<0.1	0.1	2	-	<5	2	-	-	-	-	-	-	-	-	GS	Greenish-black serpentinite
2459	B-4	T.7N.,R.6W.,sec.8	77 ¹	3	64 ¹	<0.1	<0.1	2	-	<5	1	-	-	-	-	-	-	-	-	GS	Black-gray greenstone
2480	C-4	T.10N.,R.7W.,sec.13	168 ¹	1	85 ¹	<0.1	<0.1	3	-	<5	2	-	<10	-	-	-	-	<1	-	GS	Iron and carbonate staining on altered greenstone
2482	C-4	T.10N.,R.5W.,sec.27	123 ¹	1	80 ¹	<0.1	<0.1	2	-	<5	1	-	<10	-	-	-	-	<1	-	GS	Quartz diorite
2483	B-4	T.7N.,R.7W.,sec.3	26 ¹	1	62 ¹	<0.1	<0.1	2	-	<5	2	-	<10	-	-	-	-	<1	-	GS	Hematitic greenstone
2484	B-4	T.6N.,R.7W.,sec.2	66 ¹	6	172 ¹	<0.1	0.1	1	-	-	-	-	11	-	-	-	-	<1	-	GS	Interbedded shale and siltstone
2487	B-4	T.8N.,R.6W.,sec.36	28	1	21	<0.1	<0.1	1	-	-	-	-	<10	85	2260	6.61	716	<1	1290	GS	Serpentinite
2488	C-4	T.9N.,R.7W.,sec.14	92	18	95	<0.1	<0.1	5	<1	-	2	45	15 ¹	19	60	4.52	1590	<1	67	GS	Iron-stained argillite
2489	C-4	T.9N.,R.7W.,sec.10	11	1	64	<0.1	<0.1	2	<1	-	2	20	<10 ¹	26	44	5.09	2250	<1	45	GS	Diorite near intrusive contact
2490	B-3	T.8N.,R.5W.,sec.25	9	14	124	<0.1	<0.1	4	-	<5	2	-	<10	12	10	7.99	1600	<1	54	GS	Gray anorthosite
2491	B-3	T.8N.,R.4W.,sec.30	3	45	94	<0.1	<0.1	3	-	<5	1	-	<10	<10	20	2.63	384	<1	35	GS	Felsic dike
2492	B-3	T.8N.,R.4W.,sec.32	32	15	121	<0.1	0.1	2	-	<5	1	-	<10	34	95	6.26	691	<1	138	GS	Iron-stained shale
2493	C-3	T.9N.,R.2W	80	3	5	<0.1	<0.1	11	<1	-	3	340	47 ¹	<10	19	6.67	11	-	45	GS	Iron-stained altered chert breccia
2494	C-3	T.9N.,R.3W	62	1	62	<0.1	<0.1	2	<1	-	2	50	<10 ¹	<10	39	3.62	88	-	229	GS	Iron-stained chert
2495	C-3	T.10N.,R.3W	228	1	233	<0.1	<0.1	9	50	-	2	140	60 ¹	43	97	1.86	4050	-	-	GS	Chert-breccia fragments within gray chert
2496	C-3	T.10N.,R.3W	64	16	21	<0.1	<0.1	19	<1	-	3	40	43 ¹	11	30	5.01	160	-	101	GS	Highly altered iron-stained chert gossan
2497	C-3	T.11N.,R.4W	60	8	14	<0.1	0.2	2	<1	<5	1	-	<10	<10	10	4.63	104	<1	143	GS	Iron-stained zone in siliceous siltstone
2498	C-3	T.11N.,R.4W	66	6	100	<0.1	<0.1	3	<1	<5	2	-	<10	52	74	4.40	2830	<1	115	GS	Altered zone in argillaceous siltstone

^aCC - chip channel, showing channel length
 CS - channel sample, showing channel length
 CB - grab sample

¹Atomic-absorption spectrophotometry, DGGs Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	H	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type	Description
2499	C-3	T.11N.,R.4W	69	7	50	<0.1	0.3	3	<1	<5	2	-	<10	14	45	4.94	438	<1	76	GS	Disseminated pyrite in siliceous siltstone
2500	C-3	T.11N.,R.4W	211	7	35	<0.1	0.1	3	<1	<5	3	-	<10	31	27	6.21	649	<1	70	GS	Disseminated pyrite in hornblende diorite
2503	C-3	T.11N.,R.4W	706	12	107	<0.1	0.1	5	<1	<5	2	-	<10	12	<10	4.45	5390	<1	37	GS	Silicified siltstone intruded by intermediate intrusives
2801	C-3	T.9N.,R.3W	350 ¹	11	100 ¹	<0.1	<0.1	8	-	<5	5	-	-	-	-	-	-	-	-	GS	Chert breccia with limonitic hematitic matrix
2802	C-3	T.8N.,R.3W	86 ¹	7	124 ¹	<0.1	0.1	5	-	<5	3	-	-	-	-	-	-	-	-	GS	Porphyritic dacite with hornblende phenocrysts
2803	B-3	T.7N.,R.4W.,sec.21	69 ¹	9	159 ¹	<0.1	0.7	4	-	6	5	-	-	-	-	-	-	-	-	GS	Limonic quartz porphyry
2807	B-4	T.7N.,R.5W.,sec.11	144 ¹	4900	1130 ¹	0.5	9.5	5	-	53	3	-	-	-	-	-	-	-	-	GS	Limonic indurated siltstone breccia
2808	B-4	T.7N.,R.5W.,sec.11	380 ¹	6400	8300 ¹	<0.1	37.7	3	-	97	3	-	-	-	-	-	-	-	-	GS	Oxidized limonitic gossan
2809	B-4	T.7N.,R.5W.,sec.11	11 ¹	44	334 ¹	<0.1	0.3	5	-	<5	4	-	-	-	-	-	-	-	-	GS	Grandiorite porphyry
2810	B-4	T.7N.,R.5W.,sec.2	160 ¹	8700	4640 ¹	<0.1	160	14	-	475	3	-	-	-	-	-	-	-	-	GS	limonitic siltstone breccia
2811	C-4	T.8N.,R.6W.,sec.15	25 ¹	1	10 ¹	0.6	<0.1	3	-	<5	4	-	-	<10	15	0.77	149	-	282	GS	Manganese stained chert
2812	C-4	T.8N.,R.5W.,sec.8	6 ¹	3	5 ¹	0.7	0.1	2	-	<5	9	-	-	<10	<10	0.32	<10	-	157	GS	limonitic light gray chert
2813	C-3	T.8N.,R.4W	15 ¹	2	7 ¹	0.3	0.2	2	-	<5	2	-	-	<10	11	0.36	<10	-	228	GS	Chert tuff (?) breccia
2814	C-3	T.8N.,R.4W	170 ¹	14	33 ¹	0.7	0.1	5	-	<5	3	-	-	<10	<10	1.38	293	-	57	GS	Felsite breccia
2815	C-3	T.8N.,R.4W	10 ¹	8	20 ¹	0.1	<0.1	3	-	<5	2	-	-	<10	<10	0.13	64	-	42	GS	Siliceous dolomite breccia
2816	C-4	T.8N.,R.5W.,sec.23	7 ¹	2	12 ¹	1.1	0.1	1	-	<5	3	-	-	<10	1510	4.04	468	-	261	GS	Dark green serpentinite
2817	C-4	T.8N.,R.5W.,sec.23	8 ¹	111	340 ¹	1.1	0.3	14	-	20	3	-	-	<10	15	5.91	303	-	33	GS	Silicified conglomerate
2818	C-4	T.10N.,R.5W.,sec.4	122 ¹	2	37 ¹	0.6	0.1	2	-	<5	3	-	-	<10	63	9.66	1030	-	272	GS	Limestone/quartz breccia
2819	C-4	T.10N.,R.5W.,sec.4	2200	17	128	<0.1	1.9	3	-	<5	2	-	-	<10	20	9.64	2650	<1 ¹	114	GS	Pyrite vein cutting massive carbonate
2820	C-4	T.10N.,R.5W.,sec.4	17	1	144	0.2	0.1	3	-	<5	2	-	-	34	67	9.52	1360	<1 ¹	95	GS	Pyrite-bearing diorite
2821	C-4	T.11N.,R.6W.,sec.33	82	2	28	<0.1	0.2	4	-	<5	2	-	-	<10	28	3.52	175	<1 ¹	117	GS	Iron-stained chert
2822	C-4	T.11N.,R.6W.,sec.33	389	4	79	<0.1	0.2	19	-	<5	3	-	-	<10	19	7.13	137	<1 ¹	170	GS	Iron-stained chert
2823	C-4	T.11N.,R.6W.,sec.27	56	14	71	<0.1	0.3	4	-	<5	2	-	-	<10	39	3.13	164	1.8 ¹	102	GS	Dark gray iron-stained shale
2824	C-4	T.8N.,R.7W.,sec.23	8	2	5	<0.1	<0.1	2	-	<5	2	-	-	<10	17	0.63	336	<1 ¹	231	GS	limonitic recrystallized chert slightly brecciated
2825	B-4	T.7N.,R.7W.,sec.1	32	2	39	<0.1	0.1	2	-	<5	2	-	-	45	439	2.38	153	<1 ¹	687	GS	Gray chert breccia
2826	B-4	T.7N.,R.7W.,sec.1	67	1	61	0.1	<0.1	3	-	<5	2	-	-	25	66	5.79	682	<1 ¹	152	GS	Sheared diorite to greenstone
2830	R-3	T.6N.,R.3W.,sec.20	181	4	68	<0.1	<0.1	6	-	-	3	5	-	24	38	6.68	631	<1	72	GS	Propylitized monzonite
2831	C-4	T.9N.,R.7W.,sec.14	492	14	164	0.9	0.7	1	-	<5	2	-	-	24	48	6.64	287	<1	63	GS	Iron-stained silicified siltstone
2832	C-4	T.9N.,R.7W.,sec.14	70	147	265	<0.1	0.3	4	-	<5	3	-	-	<10	26	6.65	99	<1	80	CC	Iron-stained chert
2833	C-4	T.9N.,R.7W.,sec.14	107	23	115	<0.1	0.1	4	-	<5	2	-	-	29	60	7.14	621	<1	36	GS	Fault breccia near intrusive contact
2834	C-4	T.9N.,R.7W.,sec.14	222	650	391	0.2	0.9	3	-	<5	2	-	-	<10	<10	2.29	<10	<1	64	GS	Iron stained gossan

¹CC - chip channel, showing channel length
 CS - channel sample, showing channel length
 CB - grab sample

¹Atomic-absorption spectrophotometry, DGGS Lab

Table 1 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ²	Description
2835	B-4	T.6N., R.7W., sec.2	56	10	104	<0.1	<0.1	3	<1	-	2	230	25 ³	26	76	5.64	747	<1	177	GS	Iron-stained quartz vein
2836	B-4	T.6N., R.7W., sec.2	57	10	137	<0.1	<0.1	5	<1	-	2	200	20 ³	57	99	7.73	9650	<1	137	GS	Limonitic silty shale
2837	C-4	T.10N., R.6W., sec.19	11	1	47	<0.1	<0.1	1	<1	-	3	20	<10 ³	15	30	2.84	1380	<1	109	GS	Pyritic chert
2838	C-4	T.10N., R.6W., sec.19	170	2	49	<0.1	<0.1	2	<1	-	2	10	<10 ³	39	37	7.14	1300	<1	77	GS	Altered diabase
2839	C-4	T.9N., R.7W., sec.3	81	118	164	<0.1	<0.1	4	<1	-	2	170	28 ³	14	70	9.22	52	<1	93	GS	Sheared breccia within shale unit
2840	C-4	T.9N., R.7W., sec.3	57	5	110	<0.1	<0.1	1	<1	-	3	30	18 ³	11	35	6.65	136	<1	68	GS	Iron-stained oxidized shale
2841	C-4	T.9N., R.7W., sec.3	74	12	156	<0.1	<0.1	3	<1	-	3	70	<10 ³	16	47	9.14	84	<1	149	GS	Black shale breccia
2842	C-3	T.9N., R.3W.	19	2	6	<0.1	<0.1	6	<1	-	2	40	<10 ³	<10	16	1.04	36	<1	285	GS	Pyritic dark chert
2843	C-3	T.10N., R.2W.	5	1	6	<0.1	<0.1	4	<1	-	2	15	<10 ³	15	40	0.12	217	<1	50	GS	Dark carbonate breccia
2844	C-3	T.10N., R.2W.	17	5	73	<0.1	<0.1	2	<1	-	2	15	<10 ³	36	83	6.90	1570	<1	199	GS	Minor quartz veins in greenstone
2845	C-3	T.10N., R.2W.	42	21	79	<0.1	<0.1	2	<1	-	3	<10	<10 ³	28	45	6.63	2140	<1	150	GS	Green slate with quartz layers and veins
2846	C-3	T.10N., R.2W.	197	7	11	<0.1	<0.1	2	13	-	3	260	11 ³	<10	14	1.54	40	<1	227	GS	Yellow quartz vein in recrystallized quartzite
2847	C-3	T.10N., R.2W.	256	97	77	<0.1	1.3	2	6	-	2	65	<10 ³	21	38	4.75	828	<1	190	GS	Iron-stained felsic tuff (?)
2848	C-3	T.10N., R.3W.	12	25	35	<0.1	0.1	3	<1	<5	3	-	<10	<10	16	2.02	150	<1	326	GS	Light-gray orthoquartzite with limonite blebs
2849	C-3	T.10N., R.4W.	13	17	66	<0.1	0.1	2	<1	<5	2	-	<10	<10	19	3.36	1160	<1	70	GS	Granular limestone with small pyritic veinlets
2850	C-3	T.10N., R.4W.	43	15	44	<0.1	0.1	3	<1	<5	2	-	62	<10	35	4.51	801	<1	169	GS	Sulfide-bearing zone in dark-gray-black shale with white coating
2851	C-3	T.10N., R.4W.	60	21	158	<0.1	0.1	2	<1	<5	2	-	<10	15	58	4.27	493	<1	43	GS	Sulfide-bearing black argillitic shale
2852	C-3	T.10N., R.4W.	1620	30	89	<0.1	1.4	4	<1	<5	2	-	<10	<10	69	6.15	1290	<1	179	GS	Iron-stained quartz crush zone in black shale
2853	C-3	T.10N., R.4W.	46	21	37	<0.1	0.2	7	<1	<5	2	-	122	<10	87	8.11	1450	<1	28	GS	Siliceous carbonate with sulfide pod
2854	C-3	T.10N., R.4W.	22	21	63	<0.1	0.4	9	22	<5	2	-	134	13	64	5.14	2540	<1	209	GS	Sulfide-bearing calcareous lithic sandstone
2855	C-3	T.10N., R.4W.	56	25	130	<0.1	0.3	4	<1	<5	3	-	167	<10	47	4.47	1160	<1	130	GS	Iron-stained siliceous sediment
2856	C-3	T.10N., R.4W.	26	42	120	<0.1	0.3	7	5	<5	2	-	404	<10	94	6.6 ²	449	<1	222	GS	Sulfide-bearing lithic sandstone
2857	C-3	T.10N., R.4W.	8	38	85	<0.1	0.2	4	13	<5	2	-	<10	<10	21	2.60	650	<1	305	GS	Gray calcareous siltstone with quartz and calcite veinlets
2858	C-3	T.10N., R.4W.	231	68	160	<0.1	0.2	3	<1	<5	2	-	<10	22	81	6.6 ²	730	<1	86	GS	Hornblende gabbro
2859	C-3	T.10N., R.4W.	8	197	329	<0.1	0.5	3	<1	<5	2	-	<10	<10	13	1.50	158	3	392	GS	Quartz vein cutting diorite
3151	C-3	T.9N., R.4W.	46	3	5	<0.1	0.1	-	-	-	-	30	290	<10	<10	4.33	10	-	146	GS	Chert-pebble breccia in limonite cement

¹CC - chip channel, showing channel length
 CS - channel sample, showing channel length
 CB - grab sample

¹Atomic-absorption spectrophotometry, DQGS Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ^a	Description
3152	B-3	T. 7N., R. 4W., sec. 15	86'	210	428'	<0.1	1.9	21	-	9	2	-	-	-	-	-	-	-	-	CC	Quartz vein intruding dikes within argillite
3153	B-3	T. 7N., R. 4W., sec. 15	300'	85	107'	<0.1	3.5	90	-	<5	8	-	-	-	-	-	-	-	-	CC	Limonitic quartz vein 6 in - 1 in thick
3154	B-3	T. 7N., R. 4W., sec. 15	134'	366	238'	<0.1	4.2	15	-	18	2	-	-	-	-	-	-	-	-	CC	Limonitic altered intrusive dike
3155	B-4	T. 7N., R. 5W., sec. 10	85'	63	66'	<0.1	2.5	16	-	<5	8	-	-	-	-	-	-	-	-	CS	Limonitic quartz vein
3156	B-4	T. 7N., R. 5W., sec. 10	238'	105	78'	<0.1	0.9	80	-	<5	18	-	-	86	-	-	-	-	-	CC	Silicified limonitic siltstone with brecciated quartz
3157	B-4	T. 7N., R. 5W., sec. 10	145'	12	10'	<0.1	2.1	24	-	<5	5	-	-	14	-	-	-	-	-	CS	Silicified limonitic quartz porphyry and siltstone
3158	B-4	T. 7N., R. 5W., sec. 10	312'	10	18'	<0.1	0.9	20	-	<5	7	-	-	38	-	-	-	-	-	CC	Silicified limonitic quartz porphyry and siltstone
3159	B-4	T. 7N., R. 5W., sec. 3	76'	9	57'	<0.1	0.1	7	-	<5	4	-	-	18	-	-	-	-	-	GS	Pyrite rich quartz siltstone with quartz veins
3160	B-4	T. 7N., R. 5W., sec. 23	20'	1	15'	<0.1	<0.1	-	-	-	-	60	<10	<10	11	1.99	10	-	206	CC	Rusty weathered fractured tan chert
3163	B-4	T. 8N., R. 6W., sec. 29	700'	15	60'	1.2	0.3	-	-	-	-	130	80'	17	19	6.67	114	-	-	CC	Chert/shale breccia with iron stained silica matrix
3164	B-4	T. 8N., R. 6W., sec. 29	210'	6	45'	1.0	0.1	-	-	-	-	105	13'	11	16	2.89	45	-	-	CC	Limonitic chert/shale breccia
3165	B-3	T. 7N., R. 2W., sec. 32	171'	1	56'	<0.1	<0.1	3	-	<5	2	-	-	32	68	-	-	-	-	CS	Rusty soil and decomposing rock from altered gabbro
3166	B-3	T. 7N., R. 2W., sec. 32	59'	8	142'	<0.1	<0.1	2	-	<5	2	-	-	15	41	-	-	-	-	GS	Sandstone granule conglomerate with limonitic matrix
3169	C-4	T. 11N., R. 5W., sec. 35	50	11	173	<0.1	0.5	-	-	-	-	100	11	17	47	3.14	1370	-	63	GS	Black shale with white efflorescence
3172	B-4	T. 6N., R. 7W., sec. 26	13	41	66	<0.1	0.1	3	-	<5	3	-	-	<10	<10	1.58	536	<1	74	GS	Altered felsite dike
3173	C-4	T. 8N., R. 5W., sec. 23	28	37	131	<0.1	0.2	6	-	<5	3	-	-	14	28	6.41	401	<1	86	6-ft CS	Altered felsite in argillaceous siltstone
3174	C-4	T. 8N., R. 5W., sec. 23	26	26	61	<0.1	0.2	7	-	<5	3	-	-	<10	43	5.80	247	<1	201	6-ft CS	Limonitic altered felsite
3175	C-4	T. 8N., R. 5W., sec. 23	24	38	74	<0.1	0.2	5	-	<5	3	-	-	<10	31	6.59	199	<1	187	6-ft CS	Altered felsite with minor limonitic argillite
3176	C-4	T. 8N., R. 5W., sec. 23	31	56	113	<0.1	0.6	5	-	<5	3	-	-	14	36	5.51	657	<1	184	6-ft CS	Felsite contacting limonitic argillite
3177	C-4	T. 8N., R. 5W., sec. 23	27	36	116	<0.1	0.3	3	-	<5	3	-	-	16	53	5.47	683	<1	147	6-ft CS	Felsite and limonitic argillite
3178	C-4	T. 8N., R. 5W., sec. 23	9	114	51	0.6	0.9	5	-	<5	3	-	-	<10	19	4.57	319	<1	160	GS	Altered clay zone of shattered quartz vein
3179	C-4	T. 8N., R. 5W., sec. 23	9	6	76	0.8	0.2	3	-	<5	3	-	-	<10	12	8.27	78	<1	113	GS	Scoridite stained silicified felsite and siltstone
3180	C-4	T. 8N., R. 5W., sec. 23	46	81	106	0.1	0.4	2	-	<5	3	-	-	<10	47	6.04	127	<1	33	GS	Altered felsite dike
3181	C-4	T. 8N., R. 5W., sec. 23	41	83	129	0.1	0.4	4	-	<5	4	-	-	<10	22	7.05	149	<1	39	8-ft CS	Altered dike

^aCC - chip channel, showing channel length
 CS - channel sample, showing channel length
 GB - grab sample

¹Atomic-absorption spectrophotometry, BCCS Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Hg	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ^a	Description
3211	C-4	T. 8N., R. 5W., sec. 14	6	26	106	0.1	<0.1	4	-	<5	3	-	-	<10	23	5.02	346	6	68	8-ft CS	Altered pyrite- and arsenopyrite-bearing rhyolite (?) dike
3212	C-4	T. 8N., R. 5W., sec. 14	6	26	96	0.1	<0.1	4	-	6	3	-	-	<10	19	5.05	56	6	31	8-ft CS	Altered pyrite- and arsenopyrite-bearing rhyolite (?) dike
3213	C-4	T. 8N., R. 5W., sec. 14	16	25	251	0.1	0.3	2	-	6	3	-	-	<10	17	6.10	554	<1	26	8-ft CS	Altered pyrite- and arsenopyrite-bearing rhyolite (?) dike
3214	C-4	T. 8N., R. 5W., sec. 14	22	10	144	0.1	0.1	1	-	<5	3	-	-	<10	13	4.00	188	2	53	CS	Limonic rhyolite
3215	C-4	T. 8N., R. 5W., sec. 14	24	14	185	0.5	0.2	3	-	<5	3	-	-	<10	12	4.33	177	<1	63	12-ft CS	Altered pyritic rhyolite
3216	C-4	T. 8N., R. 5W., sec. 14	19	32	66	<0.1	0.2	9	-	11	3	-	-	<10	<10	4.30	21	<1	26	CS	Limonic andesite porphyry
3217	C-4	T. 8N., R. 5W., sec. 14	23	24	114	<0.1	0.2	10	-	14	3	-	-	<10	<10	8.35	49	<1	36	CS	Altered shale contacting andesite porphyry
3220	C-4	T. 8N., R. 5W., sec. 22	36	59	212	1.0	1.5	1	-	<5	3	-	-	<10	27	6.17	54	4	48	4-ft CS	Altered intrusive
3221	C-4	T. 8N., R. 5W., sec. 22	20	16	113	1.3	1.3	4	-	<5	3	-	-	<10	23	6.88	59	<1	56	4-ft CS	Altered intrusive
3222	C-4	T. 8N., R. 5W., sec. 22	19	66	224	1.0	1.8	5	-	<5	3	-	-	<10	47	5.45	61	<1	63	4-ft CS	Altered intrusive
3223	C-4	T. 8N., R. 5W., sec. 22	33	30	204	1.1	1.2	2	-	<5	3	-	-	<10	18	6.63	34	4	57	CS	Arsenopyrite- and scorodite-bearing altered intrusive
3225	B-3	T. 7N., R. 5W., sec. 2	32	10	11	<0.1	0.2	8	-	<5	3	-	-	<10	<10	1.64	78	<1	99	CS	Rusty limonitic siltstone and minor pyritic quartz-porphry dike
3227	C-4	T. 9N., R. 7W., sec. 13	95	13	137	<0.1	0.1	-	<1	-	-	145	77 ³	22	33	14.8	12	<1	52	CS	Limonic silica-cemented chert breccia
3228	C-4	T. 9N., R. 7W., sec. 13	84	139	276	<0.1	0.2	-	<1	-	-	410	66 ³	24	48	12.0	108	2.0	68	CS	Thin-bedded white limonitic tuff interbedded with Rampart intrusives
3229	C-4	T. 9N., R. 7W., sec. 13	134	22	1100	<0.1	0.3	-	<1	-	-	265	99 ³	79	250	12.5	1510	3.0	103	CS	Thin breccia zone above gossan of bedded tuff
3230	C-4	T. 10N., R. 6W., sec. 34	302	546	188	<0.1	1.5	-	<1	-	-	470	<10 ³	16	28	10.1	110	<1	85	CS	Limonic chert breccia
3231	C-4	T. 10N., R. 6W., sec. 34	98	65	28	<0.1	0.9	-	<1	-	-	135	24 ³	<10	16	5.35	101	<1	112	CS	Limonic chert breccia
3232	C-4	T. 8N., R. 5W., sec. 23	9	83	274	<0.1	0.1	-	-	-	-	-	25 ³	<10	22	7.85	378	<1	94	CS	Rusty pyritic feldspar porphyry
3233	B-3	T. 8N., R. 5W., sec. 25	7	66	310	<0.1	0.1	-	<1	-	-	80	49 ³	<10	<10	5.32	668	<1	82	CS	K-feldspar porphyry with limonitic groundmass
3235	C-3	T. 11N., R. 2W	8	1	5	<0.1	0.4	-	-	-	-	530	49 ³	<10	44	1.83	10	<1	284	CS	Gray chert with white quartz veinlets and massive pyrite
3501	C-3	T. 8N., R. 3W	20 ¹	6	9 ¹	<0.1	0.1	5	-	<5	5	-	-	-	-	-	-	-	-	50-ft CC	Chert breccia
3502	B-4	T. 6N., R. 5W., sec. 15	10 ¹	196	1080 ¹	<0.1	0.2	2	-	<5	2	-	-	-	-	-	-	-	-	CS	Propylitized biotite-quartz porphyry
3503	B-4	T. 8N., R. 6W., sec. 25	169	8	255	<0.1	0.5	7	-	<5	2	-	-	-	-	-	-	-	-	100-ft CC	Malachite and limonite fracture fillings in altered chert

^aCC - chip channel, showing channel length
 CS - channel sample, showing channel length
 CB - grab sample

¹Atomic-absorption spectrophotometry, DCGS Lab
²Atomic-absorption spectrophotometry, Bondar-Clegg
³Colorimetric determination, Bondar-Clegg

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample Type	Description
3504	B-4	T. 8N., R. 6W., sec. 26	740 ¹	7	63 ¹	<0.1	0.1	7	-	<5	2	-	-	<10	18	-	-	-	-	GS	Copper-stained fractured chert and altered limonitic sandstone
3505	C-4	T. 8N., R. 6W., sec. 19	18 ¹	<1	7 ¹	<0.1	<0.1	3	-	<5	2	-	-	<10	37	-	-	-	-	GS	Limonitic chert
3506	C-4	T. 8N., R. 6W., sec. 17	112 ¹	7	7 ¹	<0.1	<0.1	18	-	<5	2	-	-	<10	13	-	-	-	-	GS	Limonite fractured brecciated chert
3507	C-4	T. 8N., R. 6W., sec. 15	232 ¹	3	215 ¹	<0.1	<0.1	4	-	<5	2	-	-	14	36	-	-	-	-	GS	Multicolored chert with iron-cemented brecciation
3508	C-4	T. 8N., R. 5W., sec. 22	45 ¹	1	49 ¹	2.2	0.2	3	-	<5	3	-	-	59	885	-	-	-	-	GS	Arsenopyrite quartz vein
3509	C-4	T. 8N., R. 5W., sec. 23	176 ¹	<1	67 ¹	0.2	0.5	2	57%	-	3	-	-	<10	13	-	-	-	-	GS	Massive stibnite
3510	C-4	T. 8N., R. 5W., sec. 23	33 ¹	25	53 ¹	0.8	0.4	34	-	<5	3	-	-	<10	16	-	-	-	-	GS	Arsenopyrite in shear zone near quartz monzonite-sandstone contact
3511	B-3	T. 7R., R. 3W., sec. 30	65 ¹	7	98 ¹	<0.1	0.1	3	-	<5	2	-	-	18	67	-	-	-	-	GS	Dark oxides in shale cavity fillings
3512	B-3	T. 5N., R. 3W., sec. 16	14 ¹	17	25 ¹	<0.1	<0.1	3	-	<5	2	-	-	<10	44	-	-	-	-	GS	Limonitic boxwork in quartz-carbonate veinlet
3513	B-3	T. 5N., R. 3W., sec. 15	10 ¹	12	33 ¹	<0.1	<0.1	2	-	<5	2	-	-	<10	22	-	-	-	-	GS	Limonitic quartz shear zone
3514	C-4	T. 10N., R. 6W., sec. 3	277 ¹	<1	62 ¹	<0.1	<0.1	2	-	<5	2	-	-	14	30	-	-	-	-	GS	Altered gabbro
3515	C-4	T. 10N., R. 6W., sec. 10	37 ¹	<1	84 ¹	<0.1	<0.1	3	-	<5	2	-	-	25	12	-	-	-	-	GS	Pyrrhotite-bearing meta-andesite
3519	C-4	T. 10N., R. 5W., sec. 2	104	-	74	<0.1	0.1	-	-	-	-	20	<10	17	46	4.37	363	-	75	GS	Disseminated pyrite in mafic volcanics
3520	C-4	T. 10N., R. 5W., sec. 2	469	-	164	<0.1	0.4	-	-	-	-	85	<10	11	44	7.43	455	-	86	GS	Malachite-stained shale/cherty argillite
3523	C-4	T. 10N., R. 7W., sec. 23	30	-	75	<0.1	<0.1	-	-	-	-	20	<10	27	<10	8.26	453	-	10	50-ft CC	Limonitic gabbro
3524	C-4	T. 10N., R. 7W., sec. 22	67	-	84	<0.1	<0.1	-	-	-	-	20	<10	19	31	6.20	671	-	48	CC	Limonitic diorite
3525	B-4	T. 8N., R. 5W., sec. 30	26	-	25	<0.1	<0.1	-	-	-	-	40	<10	<10	12	1.35	14	-	131	35-ft CC	Sheared, altered chert breccia
3526	B-4	T. 8N., R. 5W., sec. 30	28	-	24	<0.1	0.2	-	-	-	-	45	<10	<10	14	1.23	20	-	118	50-ft CC	Black silicified chert breccia
3527	B-3	T. 7N., R. 3W., sec. 19	32	-	38	<0.1	0.3	-	-	-	-	130	<10	<10	13	2.37	95	-	61	GS	Limonitic carbonaceous shale
3528	B-4	T. 8N., R. 7W., sec. 26	20	-	5	<0.1	<0.1	-	-	-	-	20	<10	<10	14	0.97	104	-	270	GS	Tan limonitic altered chert breccia
3529	B-4	T. 8N., R. 7W., sec. 35	16	-	5	<0.1	<0.1	-	-	-	-	15	<10	<10	12	0.81	98	-	238	GS	Limonitic chert breccia
3530	B-4	T. 8N., R. 7W., sec. 35	40	-	40	<0.1	<0.1	-	-	-	-	15	<10	<10	16	1.28	40	-	182	GS	Limonitic chert breccia
3531	B-4	T. 8N., R. 7W., sec. 35	54	-	62	<0.1	<0.1	-	-	-	-	20	<10	<10	25	1.51	68	-	31	GS	Iron-stained limonitic chert breccia
4272	C-3	T. 9R., R. 3W.	116	2	149	<0.1	<0.1	12	<1	-	-	-	41	14	49	8.95	77	-	165	GS	Limonitic chert breccia

^aCC - chip channel, showing channel length
 CS - channel sample, showing channel length
 GB - grab sample

¹Atomic-absorption spectrophotometry, DCGS Lab

Table 3 (Cont'd)

Sample	Quad-range	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	Hg	As	Co	Ni	Fe (%)	Mn	Cd	Cr	Sample type ^a	Description
3182	C-4	T.8N.,R.5W.,sec.23	26	26	95	0.1	0.1	5	-	<5	4	-	-	16	34	4.44	662	<1	123	6-ft CS	Limonitic clay-altered felsite
3183	C-4	T.8N.,R.5W.,sec.14	24	6	48	<0.2	0.1	3	-	<5	3	-	-	10	43	3.65	99	<1	108	CS	Bleached limonitic rock interbedded with shale and siliceous siltstone
3184	C-4	T.8N.,R.5W.,sec.22	13	8	78	1.8	0.3	4	-	<5	3	-	-	73	1440	4.42	1190	<1	672	CC	Arsenopyrite bearing limonitic scoridite-stained silica-carbonate rock
3185	C-4	T.8N.,R.5W.,sec.22	13	9	159	1.9	0.3	2	-	<5	3	-	-	58	876	6.50	1240	<1	675	GS	Rusty soil above siliceous carbonate
3186	C-4	T.8N.,R.5W.,sec.22	59	11	67	1.3	0.8	5	-	<5	3	-	-	17	65	5.35	711	<1	94	GS	Rusty drill cut in siliceous carbonate
3187	C-4	T.8N.,R.5W.,sec.22	6	5	102	0.8	0.1	5	-	<5	4	-	-	75	1320	3.40	774	<1	545	GS	Gray siliceous carbonate
3188	C-4	T.8N.,R.5W.,sec.22	8	6	148	1.4	0.2	1	-	<5	3	-	-	91	1590	3.51	851	<1	786	GS	Gray siliceous carbonate
3189	C-4	T.8N.,R.5W.,sec.22	20	8	85	0.6	0.1	6	-	<5	3	-	-	75	1380	4.05	1000	<1	383	GS	Gray siliceous carbonate
3190	C-4	T.8N.,R.5W.,sec.22	34	7	81	0.1	0.1	3	-	<5	3	-	-	67	999	5.38	978	<1	311	GS	limonitic drill cut
3191	C-4	T.8N.,R.5W.,sec.22	34	9	65	0.2	0.1	2	-	<5	3	-	-	95	1420	5.61	1530	<1	397	GS	limonitic drill cut
3192	C-4	T.8N.,R.5W.,sec.22	23	5	13	0.4	0.1	1	-	<5	2	-	-	67	986	4.72	1090	10	804	CC	Rusty siliceous carbonate rock
3193	C-4	T.8N.,R.5W.,sec.22	40	6	64	0.4	0.1	2	-	<5	3	-	-	15	169	3.93	543	<1	222	GS	Rusty siliceous carbonate rock
3194	C-4	T.8N.,R.5W.,sec.22	4	8	26	0.7	0.1	3	-	<5	3	-	-	56	1090	2.15	893	5	162	GS	Scoridite-stained gray siliceous carbonate rock
3195	C-4	T.8N.,R.5W.,sec.22	3	5	43	0.7	0.1	4	-	<5	3	-	-	55	1210	2.42	981	5	237	GS	Scoridite-stained gray siliceous carbonate rock
3196	C-4	T.8N.,R.5W.,sec.22	7	8	39	0.1	0.1	15	-	<5	3	-	-	63	1980	2.84	838	6	308	GS	Gray drill cutting
3197	C-4	T.8N.,R.5W.,sec.22	32	6	65	0.1	0.1	6	-	<5	3	-	-	63	1040	3.24	663	<1	414	GS	Tan drill cutting
3198	C-4	T.8N.,R.5W.,sec.22	21	7	61	0.1	<0.1	3	-	<5	3	-	-	58	1030	4.33	656	<1	296	GS	Tan drill cutting
3199	C-4	T.8N.,R.5W.,sec.22	56	31	112	1.2	<0.1	4	-	<5	3	-	-	23	159	6.38	5.97%	<1	98	GS	limonitic drill cutting
3200	C-4	T.8N.,R.5W.,sec.22	47	5	169	<0.1	<0.1	2	-	<5	2	-	-	17	120	5.80	507	<1	128	GS	Black gouge
3201	C-4	T.8N.,R.5W.,sec.22	2	3	27	<0.1	<0.1	3	-	<5	2	-	-	30	505	1.89	787	4	188	GS	Gray tan siliceous carbonate
3202	C-4	T.8N.,R.5W.,sec.22	35	1	22	<0.1	<0.1	2	-	<5	2	-	-	55	734	5.36	803	<1	1230	GS	Gray drill cuttings
3203	C-4	T.8N.,R.5W.,sec.22	5	3	68	<0.1	<0.1	2	-	<5	2	-	-	61	904	5.38	746	<1	419	GS	Gray drill cuttings
3204	C-4	T.8N.,R.5W.,sec.22	1	3	12	<0.1	<0.1	1	-	<5	3	-	-	41	713	3.63	756	3	347	GS	Gray clay rich drill cuttings
3205	C-4	T.8N.,R.5W.,sec.22	1	92	46	0.1	0.1	3	-	<5	4	-	-	55	1130	4.35	682	5	334	GS	Gray cuttings
3206	C-4	T.8N.,R.5W.,sec.22	2	5	38	<0.1	<0.1	3	-	<5	3	-	-	52	1080	4.24	788	5	317	GS	Gray cuttings
3207	C-4	T.8N.,R.5W.,sec.22	2	25	25	<0.1	<0.1	3	-	<5	3	-	-	53	1160	3.46	645	3	347	GS	White to gray cuttings
3208	C-4	T.8N.,R.5W.,sec.14	6	23	77	<0.1	<0.1	2	-	<5	2	-	-	10	22	1.84	182	3	60	GS	Aphanitic gray porphyritic felsite
3209	C-4	T.8N.,R.5W.,sec.14	11	19	177	<0.1	<0.1	3	-	<5	3	-	-	10	46	3.47	130	10	71	CC	Altered pyritic porphyry
3210	C-4	T.8N.,R.5W.,sec.14	7	33	107	<0.1	<0.1	3	-	8	3	-	-	10	23	5.24	83	6	34	8-ft CS	Altered pyrite and arsenopyrite bearing rhyolite (?) dike

^aCC - chip channel, showing channel length
CS - channel sample, showing channel length
GB - grab sample