STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

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Report of Investigation 84-4

GEOCHEMICAL RECONNAISSANCE OF THE UPPER CHENA RIVER AREA, CENTRAL ALASKA: ANALYTICAL DATA ON STREAM-SEDIMENT, PAN-CONCENTRATE, AND ROCK SAMPLES

By

M.D. Albanese

STATE OF ALASKA
Department of Natural Resources
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

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ADDENDUM TO RI 84-4

Analytical data for samples (listed in table 3) resubmitted for additional analyses include the following:

Rock sample	W (ppm)	Sn (ppm)
5449	1	1
5450	1	1
5451	1	1
5452	1	1
5458	1	1
18001	1	1
18002	1	1
18003	12	1
18004	1	1
18005	1	1
18006	1	1
18007	1	1
18008	1	1
18009	18	1
18010	5	3
18011	3	1
18012	5	1
18013	1	1
18014	435	1
18015	190	1
18016	1	1
18017	1	1
18018	1	1
18019	1	1
18020	1	1
18021	1	1
18022	1	1
18023	1	1
18024	2	1
18025	6	1
18026	1	1
18027	1	1

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GEOCHEMICAL RECONNAISSANCE OF THE UPPER CHENA RIVER AREA, CENTRAL ALASKA: ANALYTICAL DATA ON STREAM-SEDIMENT, PAN-CONCENTRATE, AND ROCK SAMPLES

By M.D. Albanese

INTRODUCTION

This report lists geochemical analyses of 896 stream-sediment samples (table 1), 300 pan-concentrate samples (table 2), and 157 rock samples (table 3) from the upper Chena River area, which includes parts of the Big Delta D-2, Big Delta D-3, Circle A-2, and Circle A-3 Quadrangles. These geochemical results represent part of a geological and mineral-resource appraisal of the upper Chena River area conducted by the Alaska Division of Geological and Geophysical Surveys (DGGS). Samples were collected during June 1983 by T.E. Smith, M.S. Robinson, D.D. Adams, R.R. Reifenstuhl, G.L. Allegro, J.W. Lindhorst, T.D. Balog, J.M. Murphy, D.A. Coleman, and B.A. Doyle.

Lead, gold, silver, molybdenum, and arsenic were analyzed at the DGGS laboratory by atomic-absorption spectrophotometry. Copper, zinc, cobalt, nickel, iron, manganese, cadmium, and chromium were analyzed at the DGGS laboratory by inductively coupled plasma atomic-emission spectrophotometry. DGGS Laboratory staff involved in these analyses include M.A. Wiltse, N.C. Veach, M.R. Ashwell, T.A. Benjamin, M.K. Polly, R.P. Erickson, R.J. Ranck, and W.W. Wickens. Tungsten and tin were analyzed by Chemex Labs, Ltd. (North Vancouver, B.C., Canada) by colorimetry and hydride atomic absorption and petrophotometry, respectively.

Lower limits of detection are 0.1 ppm for gold and silver; 1 ppm for copper, lead, zinc, molybdenum, antimony, tin, tungsten, and cadmium, and 10 ppm for arsenic, cobalt, nickel, iron, manganese, and chromium.

This report was reviewed by T.E. Smith and R.D. Reger.

Table 1. Stream-sediment-sample analyses, upper Chena River area, Alaska. Analyses in ppm unless stated otherwise. '-' indicates 'less than,' '+' indicates 'greater than.' Dash indicates sample not analysed for this element.

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
3674	Circle A-2	T.3N.,R.15E.,sec.32	42	16	102	0.1	4	-1	76	17	42	3.98	411	-1	42
3848	Big Delta D-3	T.2N.,R.13E.,sec.23	29	11	91	-0.1	2	-1	-10	11	34	3.48	526	-1	30
3850	Big Delta D-3	T.2N.,R.13E.,sec.14	25	12	94	0.1	2	-1	-10	23	49	4.66	552	-1	38
3851	Big Delta D-3	T.2N.,R.13E.,sec.22	27	10	103	-0.1	2	-1	-10	14	41	4.08	555	-1	34
3853	Big Delta D-3	T.2N.,R.13E.,sec.22	21	9	85	-0.1	2	-1	-10	13	34	3.47	502	1	28
3854	Big Delta D-3	T.2N.,R.13E.,sec.22	32	8	86	0.1	2	-1	-10	14	35	3.65	515	-1	31
3855	Big Delta D-3	T.2N.,R.13E.,sec.22	19	7	80	0.1	2	-1	-10	14	32	3.40	474	-1	28
3857	Big Delta D-3	T.2N.,R.13E.,sec.22	19	7	80	0.1	2	-1	-10	14	32	3.40	474	-1	28
3858	Big Delta D-3	T.2N.,R.13E.,sec.23	20	12	102	0.1	2	-1	-10	13	37	3.64	597	-1	32
3859	Big Delta D-3	T.1N.,R.12E.,sec.11	140	19	827	1.2	15	-1	83	27	105	3.76	1380	6	13
3861	Big Delta D-3	T.1N.,R.12E.,sec.10	42	10	267	0.9	14	-1	188	21	42	3.43	1250	-1	22
3862	Big Delta D-3	T.1N.,R.12E.,sec.2	77	15	1030	0.4	13	-1	375	12	113	3.21	482	2	14
3863	Big Delta D-3	T.1N.,R.12E.,sec.2	46	13	935	0.2	16	-1	491	13	106	3.04	823	1	13
3865	Big Delta D-3	T.1N.,R.12E.,sec.2	49	12	933	0.1	21	-1	485	19	115	3.16	1570	2	10
3866	Big Delta D-3	T.1N.,R.12E.,sec.11	63	23	1360	0.6	24	-1	18	15	155	2.87	911	3	-10
3868	Big Delta D-3	T.1N.,R.12E.,sec.11	48	10	2420	0.7	16	-1	355	13	232	2.91	768	-1	20
3869	Big Delta D-3	T.1N.,R.12E.,sec.2	51	10	1990	0.4	10	-1	600	13	150	3.02	1300	3	26
3870	Big Delta D-3	T.1N.,R.12E.,sec.2	47	12	1590	0.3	11	-1	461	11	127	2.96	705	1	22
3872	Big Delta D-3	T.1N.,R.12E.,sec.1	39	10	1270	0.3	11	-1	387	11	107	2.80	707	-1	19
3873	Big Delta D-3	T.1N.,R.12E.,sec.1	32	8	1120	0.1	9	-1	250	10	94	2.63	701	-1	25
3874	Big Delta D-3	T.1N.,R.12E.,sec.1	23	7	867	0.1	5	-1	141	-10	68	2.00	293	-1	17
3875	Circle A-2	T.3N.,R.14E.,sec.25	79	12	162	0.2	3	-1	-10	32	151	6.08	535	-1	168
3876	Circle A-2	T.3N.,R.14E.,sec.25	45	10	117	0.2	3	-1	-10	18	84	3.95	469	-1	98
3877	Circle A-2	T.3N.,R.14E.,sec.25	24	8	102	-0.1	2	-1	-10	11	46	3.15	417	-1	64
3879	Circle A-2	T.3N.,R.14E.,sec.26	29	10	125	-0.1	3	-1	-10	15	53	3.78	470	-1	69
3880	Circle A-2	T.3N.,R.14E.,sec.23	32	9	125	0.1	3	-1	-10	15	48	3.79	454	-1	55
3881	Circle A-2	T.3N.,R.14E.,sec.23	36	10	128	-0.1	3	-1	-10	17	62	4.20	570	-1	82
3883	Circle A-2	T.3N.,R.14E.,sec.23	23	8	97	-0.1	2	-1	-10	11	42	3.26	375	-1	52
3884	Circle A-2	T.3N.,R.15E.,sec.17	27	14	106	0.2	3	-1	-10	14	42	3.76	607	-1	28
3886	Circle A-2	T.3N.,R.15E.,sec.17	28	13	96	0.2	2	-1	25	12	36	3.69	465	-1	25
3887	Circle A-2	T.3N.,R.15E.,sec.17	23	11	71	0.1	2	-1	20	10	26	2.59	320	-1	19
3889	Circle A-2	T.3N.,R.15E.,sec.17	65	10	358	-0.1	4	-10	-10	120	180	7.86	1750	-1	10
3890	Circle A-2	T.3N.,R.15E.,sec.17	74	8	235	0.1	5	-10	-10	91	119	13.30	1070	-1	-10
3891	Circle A-2	T.3N.,R.15E.,sec.17	46	9	285	-0.1	3	-1	-10	121	159	5.62	2060	-1	16
3893	Circle A-2	T.3N.,R.15E.,sec.17	48	9	286	-0.1	3	-1	18	115	163	5.18	1880	-1	21
3894	Circle A-2	T.3N.,R.15E.,sec.17	40	9	230	-0.1	2	-1	-10	118	131	4.31	1960	-1	21
3895	Circle A-2	T.3N.,R.15E.,sec.20	66	9	402	-0.1	3	-1	-10	280	246	4.62	2170	-1	27
3896	Circle A-2	T.3N.,R.15E.,sec.19	49	11	251	-0.1	3	-1	-10	120	159	3.93	1280	-1	26
3898	Circle A-2	T.3N.,R.15E.,sec.19	46	12	310	-0.1	3	-1	-10	217	192	3.83	2150	-1	27
3899	Circle A-2	T.3N.,R.15E.,sec.19	30	9	172	-0.1	3	-1	-10	79	117	2.52	769	-1	20
3900	Circle A-2	T.3N.,R.15E.,sec.19	26	9	119	0.1	3	-1	-10	50	58	2.53	703	-1	24
3901	Circle A-2	T.3N.,R.14E.,sec.24	31	10	152	0.1	3	-1	-10	67	79	2.76	820	-1	26
3903	Circle A-2	T.3N.,R.14E.,sec.24	29	9	144	-0.1	3	-1	-10	63	83	2.53	670	-1	22
3904	Circle A-2	T.3N.,R.14E.,sec.24	30	11	120	-0.1	3	-1	-10	27	79	2.51	353	-1	26
3905	Circle A-2	T.3N.,R.14E.,sec.24	37	11	171	-0.1	4	-1	17	70	105	2.84	777	-1	27
3906	Big Delta D-3	T.2N.,R.13E.,sec.17	25	21	109	0.1	5	-1	-10	13	38	3.23	753	-1	42
3908	Big Delta D-3	T.2N.,R.13E.,sec.17	18	9	81	-0.1	2	-1	-10	12	26	3.03	518	-1	30
3909	Big Delta D-3	T.2N.,R.13E.,sec.18	15	16	82	-0.1	3	-1	-10	-10	27	2.61	453	-1	20
3910	Circle A-3	T.2N.,R.13E.,sec.18	10	15	76	-0.1	3	-1	-10	-10	19	2.62	321	-1	13

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
3911	Circle A-3	T.2N.,R.13E.,sec.18	16	15	110	-0.1	2	-1	-10	13	25	3.18	380	-1	28
3913	Circle A-3	T.2N.,R.13E.,sec.7	10	15	90	-0.1	3	-1	-10	11	29	3.36	479	-1	26
3914	Circle A-3	T.2N.,R.13E.,sec.7	11	14	82	-0.1	3	-1	-10	-10	20	2.90	299	-1	13
3915	Circle A-3	T.2N.,R.13E.,sec.8	25	17	97	-0.1	3	-1	10	10	25	3.07	446	-1	17
3916	Circle A-3	T.2N.,R.13E.,sec.8	15	14	78	-0.1	3	-1	-10	-10	22	2.88	487	-1	17
3918	Circle A-3	T.2N.,R.13E.,sec.8	20	8	63	-0.1	2	-1	-10	-10	18	2.45	357	-1	16
3920	Circle A-3	T.2N.,R.13E.,sec.5	11	11	62	-0.1	2	-1	-10	-10	16	2.21	311	-1	11
3922	Circle A-3	T.2N.,R.13E.,sec.5	57	6	219	0.2	5	-1	-10	11	38	2.75	402	-1	25
3923	Circle A-3	T.2N.,R.13E.,sec.5	25	17	89	0.1	4	-1	-10	-10	30	3.10	562	-1	19
3925	Circle A-3	T.2N.,R.13E.,sec.5	20	6	118	-0.1	3	-1	-10	10	24	2.56	264	-1	21
3926	Circle A-3	T.2N.,R.13E.,sec.5	21	9	107	-0.1	2	-1	-10	13	26	2.97	444	-1	29
3927	Circle A-3	T.2N.,R.13E.,sec.5	20	7	97	-0.1	3	-1	-10	11	24	2.73	343	-1	26
3929	Circle A-3	T.2N.,R.13E.,sec.5	22	10	103	-0.1	2	-1	-10	12	25	2.79	422	-1	26
3930	Circle A-3	T.3N.,R.13E.,sec.32	26	11	98	0.1	4	-1	-10	17	34	3.03	463	-1	53
3932	Circle A-2	T.3N.,R.15E.,sec.22	40	8	102	0.1	3	-1	-10	16	46	2.96	265	-1	60
3934	Circle A-2	T.3N.,R.15E.,sec.27	40	20	82	0.7	2	-1	-10	12	30	2.32	294	-1	41
3935	Circle A-2	T.3N.,R.15E.,sec.22	39	14	79	0.3	3	-1	-10	12	30	2.42	289	-1	47
3936	Circle A-2	T.3N.,R.15E.,sec.22	29	9	90	-0.1	3	-1	-10	13	40	2.69	315	-1	50
3937	Circle A-2	T.3N.,R.15E.,sec.22	37	11	97	0.2	2	-1	-10	15	43	3.20	369	-1	54
3938	Circle A-2	T.3N.,R.15E.,sec.22	41	16	89	0.2	2	-1	-10	13	34	2.78	321	-1	45
3940	Circle A-2	T.3N.,R.15E.,sec.22	38	12	89	0.2	2	-1	-10	14	37	2.83	300	-1	43
3941	Circle A-2	T.3N.,R.15E.,sec.27	29	12	89	0.2	2	-1	-10	13	29	2.71	343	-1	28
3942	Circle A-2	T.3N.,R.15E.,sec.26	27	14	83	0.1	2	-1	-10	12	27	2.54	324	-1	35
3944	Circle A-2	T.3N.,R.15E.,sec.26	28	14	84	0.3	2	-1	-10	11	27	2.46	313	-1	33
3945	Circle A-2	T.3N.,R.15E.,sec.26	27	12	68	0.1	3	-1	-10	-10	26	2.51	252	-1	27
3946	Circle A-2	T.3N.,R.15E.,sec.26	30	13	90	0.1	3	-1	-10	13	32	2.81	347	-1	46
3947	Big Delta D-2	T.2N.,R.15E.,sec.21	58	13	132	0.1	2	-1	-10	38	115	5.04	1700	-1	127
3948	Big Delta D-2	T.2N.,R.15E.,sec.21	63	16	139	0.1	2	-1	-10	37	102	5.72	982	-1	119
3949	Big Delta D-2	T.2N.,R.15E.,sec.21	63	10	132	0.1	3	-1	-10	32	98	5.87	867	-1	149
3951	Big Delta D-2	T.2N.,R.15E.,sec.21	60	12	131	0.1	2	-1	-10	34	96	5.45	846	-1	124
3952	Big Delta D-2	T.2N.,R.15E.,sec.21	63	15	133	0.2	3	-1	-10	33	95	5.66	792	-1	116
3954	Big Delta D-2	T.2N.,R.15E.,sec.20	67	11	126	-0.1	2	-1	-10	40	95	5.17	767	-1	110
3955	Big Delta D-2	T.2N.,R.15E.,sec.20	65	12	128	0.1	3	-10	-10	42	96	5.10	715	-1	100
3956	Big Delta D-2	T.2N.,R.15E.,sec.20	46	12	105	0.1	2	-1	-10	26	71	4.68	476	-1	78
3957	Big Delta D-2	T.2N.,R.15E.,sec.20	60	15	161	0.2	2	-1	-10	58	113	6.01	1350	-1	76
3959	Circle A-2	T.2N.,R.15E.,sec.17	47	28	147	0.3	2	-1	-10	24	50	4.64	804	-1	54
3961	Circle A-2	T.2N.,R.15E.,sec.16	45	13	103	0.3	1	-1	-10	25	42	4.02	572	-1	45
3963	Circle A-2	T.2N.,R.15E.,sec.15	69	11	95	0.2	2	-1	-10	25	44	3.99	572	-1	53
3965	Big Delta D-3	T.2N.,R.12E.,sec.33	49	14	322	0.4	4	-1	-10	12	46	2.96	374	2	30
3966	Big Delta D-3	T.2N.,R.12E.,sec.28	32	12	169	0.3	3	-1	-10	-10	32	2.70	203	-1	29
3968	Big Delta D-3	T.2N.,R.12E.,sec.28	33	12	364	0.2	6	-1	10	-10	46	2.04	286	1	16
3970	Big Delta D-3	T.2N.,R.12E.,sec.28	46	13	637	0.7	5	-1	10	26	87	2.78	778	4	30
3971	Big Delta D-3	T.2N.,R.12E.,sec.28	48	12	1070	0.5	4	-1	14	20	131	2.96	520	6	31
3972	Big Delta D-3	T.2N.,R.12E.,sec.28	52	10	648	0.4	5	-1	16	13	73	2.79	423	3	26
3974	Big Delta D-3	T.2N.,R.12E.,sec.28	34	9	452	0.4	3	-1	-10	-10	52	2.25	311	2	22
3975	Big Delta D-3	T.2N.,R.12E.,sec.33	61	7	326	0.6	5	-1	-10	-10	40	1.75	293	1	23
3977	Big Delta D-3	T.2N.,R.12E.,sec.27	68	9	325	0.7	5	-1	13	-10	45	2.63	346	1	35
3978	Big Delta D-3	T.2N.,R.12E.,sec.28	76	9	422	0.6	4	-1	-10	-10	58	2.60	354	1	28
3979	Big Delta D-3	T.2N.,R.12E.,sec.28	65	12	504	0.5	4	-1	-10	10	66	2.61	476	4	29
3980	Big Delta D-3	T.2N.,R12E.,sec.28	39	9	265	0.3	3	-1	-10	-10	43	2.12	207	-1	23
3982	Big Delta D-3	T.2N.,R.12E.,sec.28	53	10	192	0.2	6	-1	12	-10	40	2.20	268	-1	13
3984	Big Delta D-3	T.2N.,R.12E.,sec.28	51	10	258	0.3	4	-1	-10	-10	43	2.17	269	-1	18
3985	Big Delta D-3	T.2N.,R.12E.,sec.28	54	9	611	0.5	3	-1	18	12	83	2.54	509	6	29

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
3987	Big Delta D-3	T.2N.,R.12E.,sec.21	30	6	173	0.2	2	-1	-10	-10	29	1.83	281	-1	15
3988	Big Delta D-3	T.2N.,R.12E.,sec.28	61	11	415	0.5	3	-1	-10	11	62	2.57	241	1	24
3990	Big Delta D-3	T.2N.,R.12E.,sec.28	34	11	374	0.4	4	-1	-10	14	44	2.52	529	2	24
3991	Big Delta D-3	T.2N.,R.12E.,sec.21	42	11	308	0.3	4	-1	-10	-10	47	2.20	182	-1	16
3993	Big Delta D-3	T.2N.,R.12E.,sec.21	41	13	377	0.5	5	-1	-10	-10	45	2.20	311	2	21
3994	Big Delta D-3	T.2N.,R.12E.,sec.21	43	10	303	0.3	3	-1	-10	-10	44	2.23	252	-1	16
3996	Big Delta D-3	T.2N.,R.12E.,sec.21	31	6	221	-0.1	4	-1	-10	-10	32	1.61	187	-1	-10
3997	Big Delta D-3	T.2N.,R.12E.,sec.21	43	21	296	0.7	5	-1	-10	-10	43	2.28	220	-1	12
3998	Big Delta D-3	T.2N.,R.12E.,sec.21	43	13	286	0.4	4	-1	-10	-10	43	2.29	258	-1	26
3999	Big Delta D-3	T.2N.,R.12E.,sec.21	52	14	326	0.4	3	-1	-10	11	48	2.50	520	1	28
4001	Big Delta D-3	T.2N.,R.12E.,sec.17	47	14	365	0.5	4	-1	-10	11	49	2.45	589	-1	17
4003	Big Delta D-3	T.2N.,R.12E.,sec.17	28	9	108	0.2	2	-1	-10	-10	25	2.53	265	-1	26
4004	Big Delta D-3	T.2N.,R.12E.,sec.17	24	10	229	-0.1	4	-1	14	-10	31	1.98	317	-1	12
4005	Circle A-3	T.2N.,R.12E.,sec.17	23	8	242	0.2	4	-1	-10	-10	32	2.07	278	-1	13
4006	Circle A-3	T.2N.,R.12E.,sec.17	38	12	272	0.3	4	-1	-10	10	39	2.34	393	-1	19
4008	Circle A-3	T.2N.,R.12E.,sec.17	15	9	75	0.1	1	-1	-10	11	24	3.07	286	-1	23
4010	Circle A-3	T.2N.,R.12E.,sec.17	21	9	170	0.1	2	-1	-10	-10	29	2.43	230	-1	18
4011	Circle A-3	T.2N.,R.12E.,sec.8	23	10	177	-0.1	2	-1	-10	-10	29	2.49	242	-1	21
4012	Circle A-3	T.2N.,R.12E.,sec.8	21	9	188	-0.1	5	-1	-10	-10	28	2.55	254	-1	-10
4013	Circle A-3	T.2N.,R.12E.,sec.8	22	10	201	0.1	3	-1	-10	-10	31	2.46	242	-1	20
4900	Big Delta D-3	T.1N.,R.11E.,sec.14	81	16	940	0.7	10	-1	28	14	116	3.15	465	3	37
4901	Big Delta D-3	T.1N.,R.11E.,sec.14	42	22	534	0.4	13	-1	34	10	66	2.41	353	-1	22
4902	Big Delta D-3	T.1N.,R.11E.,sec.11	48	54	436	0.6	18	-1	50	10	53	2.57	458	1	22
4903	Big Delta D-3	T.1N.,R.11E.,sec.11	49	32	539	0.5	14	-1	41	11	63	2.64	406	-1	21
4905	Big Delta D-3	T.1N.,R.11E.,sec.11	50	25	767	0.5	13	-1	35	14	85	3.01	492	1	30
4915	Big Delta D-3	T.1N.,R.13E.,sec.36	85	14	388	0.5	5	-1	21	15	82	3.40	560	1	37
4917	Big Delta D-3	T.1S.,R.14E.,sec.6	96	15	441	0.6	6	-1	16	15	90	3.88	539	1	48
4918	Big Delta D-3	T.1S.,R.14E.,sec.6	79	14	370	0.5	6	-1	40	14	77	3.51	518	1	45
4919	Big Delta D-3	T.1S.,R.14E.,sec.6	50	14	205	0.2	6	-1	107	10	47	2.98	471	1	27
4920	Big Delta D-3	T.1S.,R.14E.,sec.6	33	14	128	-0.1	3	-1	113	-10	32	3.68	528	-1	18
4922	Big Delta D-2	T.1S.,R.14E.,sec.11	107	307	283	1.3	2	61	+1550	37	86	7.10	1460	-1	59
4924	Big Delta D-2	T.1S.,R.14E.,sec.11	76	99	307	0.6	4	5	477	27	81	6.02	934	-1	53
4925	Big Delta D-2	T.1S.,R.14E.,sec.11	73	57	838	0.4	4	4	280	23	97	5.00	585	7	36
4926	Big Delta D-2	T.1S.,R.14E.,sec.11	74	66	550	0.7	5	3	340	23	83	5.36	521	1	41
4927	Big Delta D-2	T.1S.,R.14E.,sec.12	64	43	572	0.6	5	1	253	15	73	4.20	418	8	30
4929	Big Delta D-2	T.1S.,R.14E.,sec.12	38	12	176	-0.1	1	-1	92	23	59	4.88	732	-1	29
4931	Big Delta D-2	T.1S.,R.14E.,sec.1	64	16	316	0.7	6	-1	31	13	58	2.97	789	1	24
4932	Big Delta D-2	T.1S.,R.14E.,sec.12	64	26	428	0.4	6	-1	149	15	69	4.20	489	2	26
4933	Big Delta D-2	T.1S.,R.14E.,sec.12	53	17	372	0.4	4	-1	78	14	57	3.74	492	3	28
4934	Big Delta D-2	T.1S.,R.15E.,sec.6	47	15	220	0.2	3	-1	44	16	55	4.20	504	-1	36
4936	Big Delta D-2	T1S.,R.15E.,sec.6	53	17	330	0.4	4	-1	49	18	66	4.42	555	2	35
4941	Big Delta D-3	T.2N.,R.12E.,sec.34	87	12	272	0.8	10	-1	11	-10	41	2.63	200	-1	-10
4942	Big delta-D3	T.2N.,R.12E.,sec.34	46	7	344	0.3	5	-1	-10	-10	40	2.08	177	-1	13
4943	Big Delta D-3	T.2N.,R.12E.,sec.35	44	8	231	0.3	6	-1	-10	-10	31	1.82	183	-1	10
4944	Big Delta D-3	T.2N.,R.12E.,sec.35	21	6	158	0.1	4	-1	-10	-10	22	1.82	234	-1	11
4945	Big Delta D-3	T.2N.,R.12E.,sec.35	58	10	252	0.5	8	-1	19	18	47	3.32	3270	1	11
4946	Big Delta D-3	T.2N.,R.12E.,sec.35	33	8	193	0.3	6	-1	-10	-10	27	1.69	264	-1	18
4947	Big Delta D-3	T.2N.,R.12E.,sec.35	25	6	178	0.1	6	-1	-10	-10	25	1.87	234	-1	14
4948	Big Delta D-3	T.2N.,R.12E.,sec.36	29	8	146	0.2	7	-1	-10	-10	26	1.83	368	-1	-10
4949	Big Delta D-3	T.1N.,R.13E.,sec.31	39	9	193	0.3	6	-1	14	-10	28	1.97	155	-1	22
4950	Big Delta D-3	T.2N.,R.13E.,sec.31	32	9	224	0.2	7	-1	-10	-10	31	2.08	315	-1	-10
4951	Big Delta D-3	T.2N.,R.13E.,sec.31	35	10	-1	0.2	6	-1	11	-10	29	1.91	147	-1	-10
4952	Big Delta D-3	T.2N.,R.13E.,sec.31	28	10	332	0.1	7	-1	80	-10	46	2.43	601	-1	24

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
4954	Big Delta D-3	T.1N.,R.13E.,sec.5	32	8	325	0.2	6	-1	62	-10	43	2.10	459	-1	19
4956	Big Delta D-3	T.1N.,R.13E.,sec.5	35	9	349	0.3	7	-1	61	-10	47	2.48	533	1	25
4958	Circle A-2	T.3N.,R.15E.,sec.20	45	12	87	-0.1	4	-1	-10	10	33	2.48	297	-1	36
4960	Circle A-2	T.3N.,R.15E.,sec.20	29	10	62	-0.1	4	-1	-10	-10	21	1.79	260	-1	24
4962	Circle A-2	T.3N.,R.15E.,sec.20	53	9	57	-0.1	3	-1	12	12	32	2.29	237	-1	30
4963	Circle A-2	T.3N.,R.15E.,sec.19	14	5	109	-0.1	3	-1	-10	120	75	1.63	1200	-1	15
4965	Circle A-2	T.3N.,R.15E.,sec.29	58	20	131	0.1	5	-1	263	20	60	4.48	602	-1	64
4967	Circle A-2	T.3N.,R.15E.,sec.29	26	10	61	1.0	4	-1	70	-10	24	2.11	257	-1	28
4968	Circle A-2	T.3N.,R.15E.,sec.29	24	9	61	-0.1	5	-1	39	-10	20	2.59	422	-1	25
4969	Circle A-2	T.3N.,R.15E.,sec.29	21	9	56	0.1	4	-1	41	-10	19	2.00	258	-1	26
4970	Circle A-2	T.3N.,R.15E.,sec.19	25	10	60	0.2	3	-1	27	-10	24	2.15	254	-1	24
4972	Circle A-3	T.3N.,R.13E.,sec.11	41	12	73	0.2	4	-1	-10	26	36	3.85	866	-1	18
4974	Circle A-3	T.3N.,R.13E.,sec.12	50	11	82	0.2	4	-1	-10	32	49	4.73	792	-1	18
4975	Circle A-3	T.3N.,R.13E.,sec.12	24	12	70	0.1	4	-1	-10	-10	28	3.16	508	-1	26
4977	Circle A-3	T.3N.,R.13E.,sec.12	33	9	70	-0.1	4	-1	-10	25	40	3.66	795	-1	15
4978	Circle A-3	T.3N.,R.13E.,sec.12	29	8	68	-0.1	3	-1	-10	20	41	3.39	666	-1	21
4979	Circle A-2	T.3N.,R.13E.,sec.12	24	8	65	-0.1	3	-1	15	-10	27	2.68	486	-1	22
4981	Circle A-2	T.3N.,R.14E.,sec.7	23	10	71	-0.1	3	-1	13	11	35	2.67	522	-1	22
4985	Circle A-2	T.3N.,R.15E.,sec.31	27	12	83	-0.1	4	-1	10	10	30	2.90	425	-1	26
4987	Circle A-2	T.2N.,R.15E.,sec.6	31	11	78	-0.1	4	-1	-10	13	30	3.30	489	-1	35
4988	Circle A-2	T.2N.,R.15E.,sec.6	30	12	90	-0.1	4	-1	-10	13	36	3.49	621	-1	38
4989	Circle A-2	T.2N.,R.15E.,sec.6	50	11	241	-0.1	5	-1	30	134	149	3.40	3550	-1	28
4990	Circle A-2	T.2N.,R.15E.,sec.6	137	14	326	0.2	4	-1	16	127	137	2.98	3500	-1	17
4991	Circle A-2	T.2N.,R.14E.,sec.1	101	14	352	0.1	3	-1	16	132	167	2.78	3530	-1	18
4993	Circle A-2	T.2N.,R.14E.,sec.1	39	11	203	-0.1	2	-1	-10	47	98	3.21	1360	-1	30
4994	Circle A-2	T.2N.,R.14E.,sec.1	54	12	312	0.2	3	-1	11	106	156	3.40	3040	-1	27
4995	Circle A-2	T.2N.,R.14E.,sec.12	30	19	84	0.2	2	-1	27	16	28	3.41	610	-1	23
4996	Circle A-2	T.2N.,R.14E.,sec.12	23	17	68	0.2	3	-1	17	12	28	3.10	351	-1	19
4997	Circle A-2	T.2N.,R.14E.,sec.12	30	21	79	0.1	3	-1	22	15	33	3.60	536	-1	25
4999	Circle A-2	T.2N.,R.14E.,sec.12	28	16	81	0.2	2	-1	16	12	29	3.08	457	-1	20
5000	Circle A-2	T.2N.,R.14E.,sec.12	20	15	77	0.1	2	-1	-10	-10	24	2.82	385	-1	20
5001	Circle A-2	T.2N.,R.14E.,sec.1	26	19	92	0.1	2	-1	28	11	36	2.84	371	-1	20
5002	Circle A-2	T.2N.,R.14E.,sec.1	29	18	96	-0.1	2	-1	12	11	35	2.96	416	-1	21
5004	Circle A-2	T.2N.,R.14E.,sec.1	17	7	76	-0.1	2	-1	-10	11	31	2.38	492	-1	17
5005	Big elta-D3	T.2N.,R.11E.,sec.25	39	12	436	0.5	9	-1	29	12	61	2.91	522	-1	14
5006	Big Delta D-3	T.2N.,R.11E.,sec.25	29	7	116	0.1	2	-1	-10	-10	25	2.50	223	-1	19
5008	Big Delta D-3	T.2N.,R.11E.,sec.25	75	12	268	0.5	6	-1	-10	-10	45	2.88	287	-1	15
5009	Big Delta D-3	T.2N.,R.11E.,sec.25	56	11	376	0.4	8	-1	19	11	42	2.44	492	-1	15
5010	Big Delta D-3	T.2N.,R.11E.,sec.25	64	10	508	0.4	9	-1	24	11	57	2.74	489	1	11
5012	Big Delta D-3	T.2N.,R.11E.,sec.26	40	12	282	0.4	5	-1	14	11	36	2.45	408	-1	17
5013	Big Delta D-3	T.2N.,R.11E.,sec.26	38	11	100	0.5	3	-1	18	-10	24	2.14	198	-1	23
5014	Big Delta D-3	T.2N.,R.11E.,sec.25	48	10	323	0.4	5	-1	14	-10	45	2.46	296	-1	17
5015	Big Delta D-3	T.2N.,R.11E.,sec.26	37	9	211	0.2	4	-1	12	-10	32	2.27	254	-1	16
5016	Big Delta D-3	T.2N.,R.11E.,sec.26	39	8	186	0.2	3	-1	-10	-10	31	2.30	252	-1	16
5017	Big Delta D-3	T.2N.,R.11E.,sec.23	41	9	227	0.3	4	-1	15	11	37	2.55	461	-1	12
5019	Big Delta D-3	T.2N.,R.11E.,sec.23	31	8	219	0.2	4	-1	15	10	33	2.55	379	-1	12
5020	Big Delta D-3	T.2N.,R.11E.,sec.23	29	9	117	0.1	3	-1	56	10	27	2.84	322	-1	10
5021	Big delta-D3	T.2N.,R.11E.,sec.23	34	9	176	0.2	4	-1	18	11	34	2.47	588	-1	15
5022	Circle A-3	T.3N.,R.11E.,sec.24	46	7	80	0.1	2	-1	20	17	59	3.90	530	-1	70
5023	Circle A-3	T.3N.,R.11E.,sec.24	38	5	77	-0.1	2	-1	17	15	48	3.57	488	-1	52
5025	Circle A-3	T.3N.,R.11E.,sec.24	32	6	76	-0.1	3	-1	16	14	44	3.44	473	-1	54
5026	Circle A-3	T.3N.,R.11E.,sec.24	29	8	67	0.1	3	-1	15	13	38	2.73	610	-1	51
5026	Big Delta D-2	T.1N.,R.14E.,sec.8	31	22	91	0.3	2	-	260	14	42	4.24	740	-1	39

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5027	Circle A-3	T.3N.,R.11E.,sec.24	29	5	71	-0.1	3	-1	15	12	38	3.26	557	-1	44
5028	Circle A-3	T.3N.,R.11E.,sec.25	23	5	60	-0.1	2	-1	37	10	29	2.69	401	-1	31
5029	Circle A-3	T.3N.,R.11E.,sec.25	41	8	115	0.5	3	-1	-10	-10	27	2.62	186	-1	28
5031	Circle A-3	T.3N.,R.11E.,sec.25	16	4	64	0.1	2	-1	-10	-10	21	2.68	271	-1	24
5033	Circle A-3	T.3N.,R.11E.,sec.25	19	6	89	0.2	3	-1	-10	-10	23	2.88	349	-1	20
5034	Circle A-3	T.3N.,R.11E.,sec.36	41	10	173	0.4	4	-1	-10	-10	30	3.04	379	-1	18
5035	Circle A-3	T.3N.,R.11E.,sec.36	34	9	122	0.3	3	-1	-10	-10	27	2.85	396	-1	19
5036	Big Delta D-2	T.2N.,R.14E.,sec.22	36	18	78	-0.1	3	-1	14	15	47	3.75	696	-1	51
5038	Big Delta D-2	T.2N.,R.14E.,sec.22	33	19	92	-0.1	3	-1	19	15	47	3.82	732	-1	51
5039	Big Delta D-2	T.2N.,R.14E.,sec.21	53	20	117	-0.1	3	1	42	53	117	4.37	690	-1	38
5041	Big Delta D-2	T.2N.,R.14E.,sec.21	48	20	110	-0.1	3	-1	29	15	40	4.14	701	-1	42
5043	Big Delta D-2	T.2N.,R.14E.,sec.21	35	13	67	0.2	3	-1	161	12	29	4.18	370	-1	35
5044	Big Delta D-2	T.2N.,R.14E.,sec.21	53	17	202	0.1	4	-1	24	71	95	4.15	1340	-1	27
5046	Big Delta D-2	T.2N.,R.14E.,sec.16	24	13	72	-0.1	3	-1	22	11	29	3.23	412	-1	29
5047	Big Delta D-2	T.2N.,R.14E.,sec.16	34	16	100	-0.1	3	-1	25	19	41	3.76	542	-1	33
5048	Circle A-2	T.2N.,R.14E.,sec.16	32	16	105	0.1	4	-1	32	21	53	3.49	618	-1	28
5049	Circle A-2	T.2N.,R.14E.,sec.16	39	19	135	-0.1	4	-1	31	30	61	3.99	883	-1	33
5050	Big Delta D-2	T.2N.,R.14E.,sec.17	44	14	85	-0.1	2	-1	-10	32	32	3.88	902	-1	21
5052	Circle A-2	T.2N.,R.14E.,sec.17	60	17	115	-0.1	3	-1	-10	25	40	4.73	682	-1	27
5053	Circle A-2	T.2N.,R.14E.,sec.17	41	16	95	-0.1	3	1	-10	16	34	4.05	533	-1	24
5054	Circle A-2	T.2N.,R.14E.,sec.17	32	15	101	-0.1	3	-1	22	14	36	3.22	609	-1	24
5055	Circle A-2	T.2N.,R.14E.,sec.9	32	13	87	-0.1	3	-1	30	16	32	3.43	682	-1	23
5056	Big Delta D-2	T.1N.,R.14E.,sec.5	19	9	63	-0.1	2	-1	22	-10	20	2.70	541	-1	18
5057	Big Delta D-2	T.1N.,R.14E.,sec.5	24	11	73	-0.1	2	-1	24	-10	23	3.03	613	-1	18
5058	Big Delta D-2	T.1N.,R.14E.,sec.5	24	13	72	0.1	2	-1	31	-10	24	3.07	543	-1	19
5059	Big Delta D-2	T.1N.,R.14E.,sec.5	24	13	76	0.1	2	-1	32	16	24	3.13	621	-1	19
5061	Big Delta D-2	T.1N.,R.14E.,sec.5	25	14	80	0.1	3	-1	38	10	25	3.16	525	-1	20
5062	Big Delta D-2	T.1N.,R.14E.,sec.5	27	15	79	0.2	3	-1	66	11	27	3.33	581	-1	20
5063	Big Delta D-2	T.1N.,R.14E.,sec.8	25	16	81	-0.1	3	-1	61	11	27	2.97	681	-1	20
5065	Big Delta D-2	T.2N.,R.14E.,sec.32	17	8	69	-0.1	2	-1	-10	-10	20	2.16	442	-1	14
5066	Big Delta D-2	T.2N.,R.14E.,sec.31	21	12	80	-0.1	2	-1	13	-10	25	2.76	568	-1	18
5067	Big Delta D-2	T.2N.,R.14E.,sec.31	17	10	74	-0.1	2	-1	22	-10	23	2.58	575	-1	13
5068	Big Delta D-2	T.2N.,R.14E.,sec.31	19	11	77	-0.1	3	-1	22	-10	25	2.68	552	-1	17
5070	Big Delta D-2	T.2N.,R.14E.,sec.31	20	18	75	-0.1	3	-1	75	-10	25	2.96	470	-1	16
5071	Big Delta D-2	T.1N.,R.14E.,sec.6	16	9	62	-0.1	2	-1	-10	-10	20	2.36	356	-1	12
5073	Big Delta D-2	T.1N.,R.14E.,sec.6	18	11	73	-0.1	3	-1	31	-10	23	2.57	428	-1	13
5074	Big Delta D-2	T.1N.,R.14E.,sec.6	23	14	86	-0.1	2	-1	42	10	27	2.82	625	-1	18
5075	Big Delta D-2	T.1N.,R.14E.,sec.6	24	15	82	-0.1	3	-1	35	13	31	3.37	596	-1	18
5076	Big Delta D-3	T.1N.,R.13E.,sec.3	26	16	77	-0.1	3	-1	24	12	28	3.39	593	-1	19
5077	Big Delta D-3	T.1N.,R.13E.,sec.3	24	15	73	-0.1	4	-1	25	10	26	3.20	459	-1	17
5079	Big Delta D-3	T.1N.,R.13E.,sec.3	25	16	81	-0.1	4	-1	28	13	34	3.37	452	-1	25
5080	Big Delta D-3	T.1N.,R.13E.,sec.3	23	15	91	-0.1	4	-1	32	13	38	3.31	609	-1	23
5083	Big Delta D-3	T.1N.,R.13E.,sec.4	22	14	78	-0.1	3	-1	37	11	33	3.03	470	-1	22
5082	Big Delta D-3	T.1N.,R.13E.,sec.4	24	14	79	-0.1	3	-1	70	15	40	3.30	585	-1	29
5084	Big Delta D-3	T.1N.,R.13E.,sec.4	20	12	73	-0.1	4	-1	56	13	34	3.05	596	-1	26
5089	Big Delta D-3	T.2N.,R.13E.,sec.36	18	14	64	-0.1	3	-1	23	10	26	3.21	299	-1	19
5090	Big Delta D-3	T.2N.,R.13E.,sec.25	27	22	101	-0.1	3	-1	17	17	36	3.83	666	-1	22
5091	Big Delta D-3	T.2N.,R.13E.,sec.25	28	21	103	-0.1	4	-1	18	18	35	3.84	879	-1	20
5093	Big Delta D-3	T.2N.,R.13E.,sec.35	24	9	73	-0.1	4	-1	35	14	33	3.63	448	-1	22
5094	Big Delta D-3	T.2N.,R.13E.,sec.35	24	16	79	-0.1	3	-1	27	15	35	4.02	499	-1	27
5096	Big Delta D-3	T.2N.,R.13E.,sec.35	22	14	59	0.1	3	-1	41	11	27	3.12	484	-1	21
5097	Big Delta D-3	T.2N.,R.13E.,sec.26	16	11	63	-0.1	3	-1	19	-10	24	2.88	285	-1	16
5099	Circle A-2	T.2N.,R.15E.,sec.14	38	9	71	-0.1	2	-	-10	15	58	3.98	444	-1	64

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5101	Circle A-2	T.2N.,R.15E.,sec.14	33	14	81	-0.1	2	-	-10	14	50	4.13	591	-1	60
5102	Circle A-2	T.2N.,R.15E.,sec.14	43	10	76	-0.1	1	-	-10	18	66	4.42	540	-1	72
5103	Circle A-2	T.2N.,R.15E.,sec.14	28	12	77	-0.1	1	-	-10	10	40	3.68	485	-1	46
5104	Circle A-2	T.2N.,R.15E.,sec.14	33	13	79	-0.1	2	-	-10	14	51	3.84	568	-1	59
5105	Big Delta D-2	T.2N.,R.15E.,sec.14	43	14	84	-0.1	2	-	-10	19	62	4.71	608	-1	56
5106	Big Delta D-2	T.2N.,R.15E.,sec.14	55	16	97	-0.1	2	-	-10	26	71	5.69	846	-1	74
5107	Big Delta D-2	T.2N.,R.15E.,sec.13	46	15	133	-0.1	3	-	-10	20	66	5.00	751	-1	66
5109	Big Delta D-2	T.2N.,R.15E.,sec.13	50	14	102	-0.1	2	-	-10	27	79	5.57	744	-1	72
5110	Big Delta D-2	T.2N.,R.15E.,sec.13	43	10	95	0.1	2	-	-10	22	70	4.81	737	-1	61
5111	Big Delta D-2	T.2N.,R.15E.,sec.24	67	12	126	-0.1	2	-	-10	39	101	6.29	932	-1	82
5112	Big Delta D-2	T.2N.,R.15E.,sec.13	48	12	105	-0.1	2	-	-10	25	76	5.05	851	-1	67
5114	Big Delta D-2	T.2N.,R.15E.,sec.13	33	10	68	-0.1	1	-	-10	16	50	3.69	618	-1	49
5115	Big Delta D-2	T.2N.,R.16E.,sec.9	61	19	115	0.1	3	-	-10	32	86	5.81	877	-1	60
5116	Big Delta D-2	T.2N.,R.16E.,sec.9	16	14	55	-0.1	2	-	-10	-10	35	3.26	305	-1	41
5117	Big Delta D-2	T.2N.,R.16E.,sec.9	48	18	107	0.4	2	-	-10	23	66	4.87	792	-1	62
5119	Big Delta D-2	T.1N.,R.14E.,sec.17	35	18	80	-0.1	1	-	3.67	15	48	4.65	705	-1	47
5121	Big Delta D-2	T.1N.,R.14E.,sec.17	37	20	84	-0.1	1	-	135	16	51	4.54	633	-1	44
5122	Big Delta D-2	T.1N.,R.14E.,sec.17	35	23	73	-0.1	1	-	245	16	46	4.62	595	-1	40
5123	Big Delta D-2	T.1N.,R.14E.,sec.17	33	22	91	-0.1	1	-	318	14	45	4.35	706	-1	50
5124	Big Delta D-2	T.1N.,R.14E.,sec.17	32	21	87	0.1	2	-	249	15	43	4.27	769	-1	44
5127	Big Delta D-2	T.1N.,R.14E.,sec.14	36	21	94	0.1	2	-	-10	15	44	4.99	646	-1	55
5129	Big Delta D-2	T.1N.,R.14E.,sec.14	41	11	88	-0.1	2	-	-10	21	51	4.80	792	-1	48
5130	Big Delta D-2	T.1N.,R.14E.,sec.14	33	19	81	-0.1	2	-	-10	14	42	4.36	534	-1	45
5131	Big Delta D-2	T.1N.,R.14E.,sec.14	35	15	88	-0.1	2	-	-10	18	47	4.58	669	-1	47
5132	Big Delta D-2	T.1N.,R.14E.,sec.10	32	14	82	-0.1	1	-	-10	14	42	4.19	610	-1	44
5134	Big Delta D-2	T.1N.,R.14E.,sec.10	34	17	91	0.1	2	-	-10	14	46	4.31	650	-1	56
5135	Big Delta D-2	T.1N.,R.14E.,sec.10	33	16	91	0.1	2	-	-10	14	45	4.31	623	-1	17
5136	Big Delta D-2	T.1N.,R.14E.,sec.10	31	14	86	-0.1	2	-	15	13	43	4.10	601	-1	49
5137	Big Delta D-2	T.1N.,R.14E.,sec.10	33	13	86	0.1	2	-	11	13	42	4.06	588	-1	40
5139	Big Delta D-2	T.1N.,R.14E.,sec.10	34	14	88	0.1	2	-	-10	14	44	4.17	662	-1	57
5140	Circle A-2	T.2N.,R.15E.,sec.10	12	15	60	0.1	1	-	-10	-10	24	3.18	259	-1	30
5142	Circle A-2	T.2N.,R.15E.,sec.10		6		-0.1	2	-	-10						
5144	Circle A-2	T.2N.,R.15E.,sec.10	12	9	44	-0.1	2	-	-10	-10	24	2.91	213	-1	28
5145	Circle A-2	T.2N.,R.15E.,sec.3	7	7	44	-0.1	2	-	-10	-10	22	2.49	207	-1	27
5146	Circle A-2	T.2N.,R.15E.,sec.2	4	7	39	-0.1	1	-	-10	-10	16	2.13	241	-1	18
5150	Big Delta D-3	T.1N.,R.13E.,sec.22	11	11	57	-0.1	1	-	49	-10	25	2.73	688	-1	30
5151	Circle A-2	T.2N.,R.15E.,sec.2	2	11	61	-0.1	1	-	-10	-10	14	2.62	367	-1	15
5152	Circle A-2	T.2N.,R.15E.,sec.11	8	7	45	-0.1	2	-	-10	-10	21	2.25	182	-1	23
5154	Circle A-2	T.2N.,R.15E.,sec.11	1	12	40	-0.1	1	-	-10	-10	-10	1.66	366	-1	-10
5156	Circle A-2	T.2N.,R.15E.,sec.11	5	10	49	-0.1	2	-	-10	-10	16	2.03	369	-1	17
5157	Circle A-2	T.2N.,R.15E.,sec.11	1	4	24	-0.1	1	-	-10	-10	-10	8.92	210	-1	11
5159	Circle A-2	T.2N.,R.15E.,sec.11	5	8	43	-0.1	1	-	-10	-10	13	2.12	407	-1	13
5160	Circle A-2	T.2N.,R.15E.,sec.12	5	10	55	-0.1	2	-	-10	-10	15	2.67	507	-1	13
5161	Circle A-2	T.2N.,R.15E.,sec.12	7	11	54	-0.1	2	-	-10	-10	16	2.45	458	-1	18
5162	Circle A-2	T.2N.,R.15E.,sec.12	19	16	82	0.1	2	-	-10	-10	31	2.93	578	-1	32
5163	Circle A-2	T.2N.,R.15E.,sec.12	12	8	53	-0.1	1	-	-10	-10	28	2.60	356	-1	41
5164	Circle A-2	T.2N.,R.16E.,sec.7	13	13	57	-0.1	1	-	-10	-10	30	2.76	389	-1	34
5166	Big Delta D-3	T.1N.,R.13E.,sec.22	11	20	54	0.2	2	-	83	10	21	2.71	902	-1	22
5168	Big Delta D-3	T.1N.,R.13E.,sec.22	15	16	54	0.2	2	-	174	-10	28	2.80	643	-1	27
5169	Big Delta D-3	T.1N.,R.13E.,sec.22	10	17	38	0.1	1	-	312	-10	22	1.88	295	-1	16
5170	Big Delta D-3	T.1N.,R.13E.,sec.22	8	14	31	-0.1	1	-	300	-10	18	1.55	236	-1	14
5171	Big Delta D-3	T.1N.,R.13E.,sec.22	16	21	61	0.3	1	-	394	-10	27	2.56	458	-1	25
5173	Big Delta D-3	T.1N.,R.13E.,sec.22	10	17	44	0.2	2	-	352	-10	23	2.14	331	-1	17

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5174	Big Delta D-3	T.1N.,R.13E.,sec.15	17	16	60	0.2	1	-	467	10	30	2.86	412	-1	24
5175	Big Delta D-3	T.1N.,R.13E.,sec.16	15	16	57	0.2	1	-	225	11	31	2.69	417	-1	25
5176	Big Delta D-3	T.1N.,R.13E.,sec.16	15	14	43	0.1	1	-	138	11	26	2.78	479	-1	23
5178	Big Delta D-3	T.1N.,R.13E.,sec.16	17	15	56	-0.1	1	-	93	11	30	2.79	413	-1	28
5179	Big Delta D-3	T.1N.,R.13E.,sec.16	15	13	60	0.2	2	-	270	13	29	2.92	477	-1	29
5180	Big Delta D-3	T.1N.,R.13E.,sec.22	4	6	34	-0.1	1	-	37	-10	13	1.48	434	-1	11
5182	Big Delta D-3	T.1N.,R.13E.,sec.21	12	21	91	0.2	2	-	154	14	26	2.82	1540	-1	23
5184	Big Delta D-3	T.1N.,R.13E.,sec.21	16	16	79	0.3	3	-	259	11	31	2.89	688	-1	31
5185	Big Delta D-3	T.1N.,R.13E.,sec.21	19	11	92	0.1	2	-	172	10	32	2.43	601	-1	33
5186	Big Delta D-3	T.1N.,R.13E.,sec.21	21	10	99	0.3	2	-	294	10	31	2.47	551	-1	31
5187	Big Delta D-3	T.1N.,R.13E.,sec.21	5	3	24	0.2	1	-	48	-10	16	0.95	332	-1	83
5189	Big Delta D-3	T.1N.,R.13E.,sec.21	26	13	100	0.5	2	-	472	-10	33	2.46	291	-1	32
5190	Big Delta D-3	T.1N.,R.13E.,sec.21	21	13	120	0.3	3	-	487	14	34	2.63	771	-1	30
5191	Big Delta D-3	T.1N.,R.13E.,sec.21	15	10	47	0.3	1	-	90	-10	34	2.77	222	-1	39
5192	Big Delta D-3	T.1N.,R.13E.,sec.20	18	14	97	0.3	2	-	429	15	30	2.51	632	-1	26
5194	Big Delta D-3	T.1N.,R.13E.,sec.20	10	9	53	0.1	1	-	105	-10	25	2.02	333	-1	18
5195	Big Delta D-3	T.1N.,R.12E.,sec.10	51	10	661	0.6	8	-	221	-10	73	2.05	227	5	109
5196	Big Delta D-3	T.1N.,R.12E.,sec.10	46	9	710	0.3	10	-	282	-10	76	1.81	445	5	84
5198	Big Delta D-3	T.1N.,R.12E.,sec.10	46	10	949	0.3	13	-	315	14	102	1.83	2440	21	83
5199	Big Delta D-3	T.1N.,R.12E.,sec.15	51	13	1190	0.5	7	-	242	11	99	2.26	405	9	103
5200	Big Delta D-3	T.1N.,R.12E.,sec.15	58	18	1030	0.5	10	-	225	12	97	2.44	800	12	103
5202	Big Delta D-3	T.1N.,R.12E.,sec.15	50	21	548	0.5	12	-	106	10	75	2.45	359	4	108
5203	Big Delta D-3	T.1N.,R.12E.,sec.15	47	15	885	0.5	9	-	153	10	103	2.23	478	5	104
5204	Big Delta D-3	T.1N.,R.12E.,sec.15	40	13	534	0.4	8	-	60	-10	66	2.08	224	1	99
5205	Big Delta D-3	T.1N.,R.13E.,sec.18	33	22	459	0.1	8	-	23	13	50	2.95	494	-1	131
5207	Big Delta D-3	T.1N.,R.11E.,sec.23	116	54	774	0.7	8	-	85	19	59	3.35	495	1	44
5207	Big Delta D-3	T.1N.,R.11E.,sec.23	116	54	774	0.7	8	-	85	19	59	3.35	495	1	44
5209	Big Delta D-3	T.1N.,R.11E.,sec.23	109	55	654	0.7	13	-	79	21	80	3.78	836	3	43
5210	Big Delta D-3	T.1N.,R.11E.,sec.14	102	43	552	0.9	19	-	64	17	73	3.20	700	2	42
5211	Big Delta D-3	T.1N.,R.11E.,sec.14	83	34	1290	1.2	71	-	77	46	203	4.10	4650	11	44
5212	Big Delta D-3	T.1N.,R.11E.,sec.14	64	40	732	0.4	27	-	102	17	91	3.40	550	1	37
5213	Big Delta D-3	T.1N.,R.11E.,sec.14	60	23	1190	0.5	18	-	57	15	135	3.69	411	-1	41
5214	Big Delta D-3	T.1N.,R.11E.,sec.14	54	16	745	0.4	10	-1	32	11	84	2.51	365	2	22
5216	Big Delta D-3	T.1N.,R.11E.,sec.14	53	14	576	0.4	6	-1	-10	11	72	2.36	296	2	25
5217	Circle A-3	T.3N.,R.13E.,sec.16	10	6	59	0.1	1	-1	-10	-10	-10	1.66	364	-1	-10
5220	Circle A-3	T.3N.,R.13E.,sec.16	27	12	71	0.2	3	-1	-10	-10	21	2.62	546	-1	19
5222	Circle A-3	T.3N.,R.13E.,sec.20	18	10	67	0.1	2	-1	-10	-10	17	2.29	617	-1	18
5223	Circle A-3	T.3N.,R.13E.,sec.20	25	13	74	0.3	2	-1	-10	-10	23	2.86	487	-1	24
5224	Circle A-3	T.3N.,R.13E.,sec.20	20	11	75	0.1	2	-1	-10	-10	19	2.38	602	-1	19
5226	Circle A-3	T.3N.,R.13E.,sec.20	17	14	97	0.2	4	-1	-10	-10	17	2.47	774	-1	14
5227	Circle A-3	T.3N.,R.13E.,sec.20	17	12	82	0.1	3	-1	-10	-10	18	2.35	739	-1	19
5228	Circle A-3	T.3N.,R.13E.,sec.20	23	16	93	0.1	3	-1	-10	-10	21	2.37	641	-1	22
5229	Circle A-3	T.3N.,R.13E.,sec.20	26	12	93	0.1	3	-1	34	-10	25	2.58	351	-1	29
5231	Circle A-3	T.3N.,R.13E.,sec.19	24	13	87	0.2	4	-1	22	10	28	2.79	533	-1	25
5232	Circle A-3	T.3N.,R.13E.,sec.30	10	5	54	-0.1	2	-1	-10	-10	14	1.87	368	-1	-10
5233	Circle A-3	T.3N.,R.13E.,sec.30	25	11	84	0.1	3	-1	-10	10	25	2.73	542	-1	23
5234	Circle A-3	T.3N.,R.13E.,sec.30	24	10	94	0.2	3	-1	13	-10	28	2.68	570	-1	27
5236	Circle A-2	T.3N.,R.15E.,sec.9	15	4	50	-0.3	2	-1	13	-10	15	2.10	336	-1	18
5237	Circle A-2	T.3N.,R.15E.,sec.9	21	6	70	-0.1	2	-1	-10	-10	24	3.16	370	-1	29
5238	Circle A-2	T.3N.,R.15E.,sec.10	15	2	50	-0.1	2	-1	-10	-10	16	2.21	258	-1	20
5239	Circle A-2	T.3N.,R.15E.,sec.16	29	6	82	0.1	3	-1	-10	12	29	3.34	371	-1	29
5240	Circle A-2	T.3N.,R.15E.,sec.15	22	5	69	-0.1	2	-1	11	10	25	2.90	333	-1	26
5242	Circle A-2	T.3N.,R.15E.,sec.15	22	6	66	0.1	3	-1	-10	10	24	2.98	342	-1	26

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5243	Circle A-2	T.3N.,R.15E.,sec.14	38	10	98	-0.1	2	-1	-10	17	37	5.36	551	-1	36
5245	Circle A-2	T.3N.,R.15E.,sec.14	56	7	176	-0.1	3	-1	-10	72	97	5.22	798	-1	19
5246	Circle A-2	T.3N.,R.15E.,sec.15	74	6	172	-0.1	3	-1	-10	44	76	6.42	546	-1	14
5247	Circle A-2	T.3N.,R.15E.,sec.15	45	7	151	0.1	3	-1	-10	44	74	4.38	622	-1	26
5248	Circle A-2	T.3N.,R.15E.,sec.15	17	4	56	0.1	2	-1	-10	-10	20	2.41	264	-1	20
5490	Big Delta D-3	T.1N.,R.11E.,sec.23	37	13	138	0.2	6	-1	17	11	37	2.81	475	-1	47
5533	Big Delta D-3	T.1N.,R.11E.,sec.23	45	21	354	0.3	6	-1	51	13	64	3.04	467	2	47
5535	Big Delta D-3	T.1N.,R.11E.,sec.26	88	53	1690	0.6	7	-1	59	12	120	3.02	444	15	48
5536	Big Delta D-3	T.1N.,R.11E.,sec.26	95	22	514	0.5	6	-1	174	15	75	3.28	340	3	53
5537	Big Delta D-3	T.1N.,R.11E.,sec.26	41	11	197	0.2	3	-1	80	22	64	5.24	648	-1	52
5539	Big Delta D-3	T.1N.,R.11E.,sec.26	48	14	368	0.3	3	-1	75	20	72	4.20	611	2	60
5540	Big Delta D-3	T.1N.,R.11E.,sec.26	25	15	80	0.3	2	-1	33	12	35	3.04	567	-1	49
5541	Big Delta D-3	T.1N.,R.11E.,sec.26	38	16	241	0.3	4	-1	73	22	79	4.62	636	-1	74
5542	Big Delta D-3	T.1N.,R.11E.,sec.26	26	13	78	0.1	3	-1	38	14	44	3.45	552	-1	38
5601	Big Delta D-3	T.2N.,R.12E.,sec.33	25	12	123	0.4	4	-1	19	-10	26	2.80	278	-1	19
5602	Big Delta D-3	T.2N.,R.12E.,sec.33	22	11	106	0.4	4	-1	11	11	23	2.53	531	-1	18
5603	Big Delta D-3	T.2N.,R.12E.,sec.33	24	9	166	0.7	7	-1	-10	-10	42	2.90	269	-1	19
5604	Big Delta D-3	T.2N.,R.12E.,sec.34	54	10	432	0.5	4	-1	-10	12	79	2.62	392	2	17
5605	Big Delta D-3	T.1N.,R.12E.,sec.3	42	10	1100	0.4	4	-1	-10	13	168	2.67	612	5	15
5606	Big Delta D-3	T.1N.,R.12E.,sec.3	41	9	883	0.4	5	-1	-10	11	119	2.54	463	3	18
5607	Big Delta D-3	T.1N.,R.12E.,sec.3	39	10	704	0.3	8	-1	11	13	84	2.96	674	2	13
5609	Big Delta D-3	T.1N.,R.12E.,sec.3	39	10	603	0.4	6	-1	27	13	75	2.66	781	3	16
5610	Big Delta D-3	T.1N.,R.12E.,sec.2	33	9	553	0.3	7	-1	121	13	73	2.45	978	3	13
5611	Big Delta D-3	T.1N.,R.12E.,sec.2	38	10	616	0.3	8	-1	255	12	76	2.58	776	2	13
5612	Big Delta D-3	T.1N.,R.12E.,sec.2	38	10	642	0.4	6	-1	205	11	75	2.56	594	3	16
5614	Big Delta D-3	T.1N.,R.12E.,sec.2	44	10	685	0.5	5	-1	205	12	82	2.67	551	3	16
5615	Big Delta D-3	T.2N.,R.12E.,sec.35	30	7	222	0.2	4	-1	18	-10	31	2.34	315	1	10
5617	Big Delta D-3	T.2N.,R.12E.,sec.36	45	8	405	0.4	4	-1	81	-10	52	2.39	278	1	12
5618	Big Delta D-3	T.2N.,R.12E.,sec.36	42	9	435	0.4	4	-1	75	10	55	2.52	329	1	25
5619	Big Delta D-3	T.2N.,R.12E.,sec.36	26	6	422	0.2	5	-1	85	-10	45	1.97	369	1	16
5620	Big Delta D-3	T.1N.,R.13E.,sec.6	30	7	457	0.3	4	-1	74	-10	50	2.22	301	1	17
5622	Big Delta D-3	T.1N.,R.13E.,sec.6	26	8	394	0.2	5	-1	94	-10	47	2.36	450	1	21
5623	Big Delta D-3	T.1N.,R.13E.,sec.6	42	9	489	0.4	5	-1	91	11	57	2.64	431	2	21
5624	Big Delta D-3	T.1N.,R.13E.,sec.6	49	10	486	0.5	5	-1	89	11	58	2.64	407	2	20
5625	Circle A-2	T.3N.,R.15E.,sec.31	46	16	119	0.2	2	-1	220	16	43	3.59	513	-1	46
5626	Circle A-2	T.3N.,R.15E.,sec.30	15	8	54	-0.1	2	-1	24	-10	22	2.02	293	-1	23
5627	Circle A-2	T.3N.,R.15E.,sec.30	42	13	105	-0.1	3	-1	37	14	45	3.39	442	-1	43
5628	Circle A-2	T.3N.,R.15E.,sec.30	37	12	105	-0.1	3	-1	63	14	46	3.45	409	-1	44
5630	Circle A-2	T.3N.,R.15E.,sec.19	25	10	79	-0.1	3	-1	51	11	32	2.96	299	-1	39
5631	Circle A-2	T.3N.,R.15E.,sec.19	10	6	52	-0.1	2	-1	-10	18	24	1.35	309	-1	13
5632	Circle A-2	T.3N.,R.14E.,sec.32	14	6	52	-0.1	2	-1	15	-10	19	1.80	221	-1	22
5633	Circle A-2	T.3N.,R.14E.,sec.32	34	8	84	0.1	2	-1	-10	18	77	3.91	326	-1	84
5634	Circle A-2	T.3N.,R.14E.,sec.29	35	6	79	0.1	2	-1	-10	21	73	3.38	411	-1	83
5635	Circle A-2	T.3N.,R.14E.,sec.29	32	6	92	0.1	2	-1	-10	19	65	3.61	378	-1	74
5636	Circle A-2	T.3N.,R.14E.,sec.29	20	9	77	0.1	2	-1	24	11	26	2.76	427	-1	31
5637	Circle A-2	T.2N.,R.14E.,sec.11	20	11	67	-0.1	1	-1	45	11	25	2.85	330	-1	20
5638	Circle A-2	T.2N.,R.14E.,sec.10	31	15	100	-0.1	2	-1	44	14	34	3.53	430	-1	31
5639	Circle A-2	T.2N.,R.14E.,sec.3	24	13	89	-0.1	2	-1	48	14	36	1.89	405	-1	25
5640	Circle A-2	T.2N.,R.14E.,sec.3	26	14	111	-0.1	2	-1	37	19	44	3.15	495	-1	30
5642	Circle A-2	T.2N.,R.14E.,sec.4	34	14	124	0.1	2	-1	36	22	51	3.27	544	-1	30
5643	Circle A-3	T.2N.,R.12E.,sec.10	48	13	194	0.3	4	-1	-10	-10	28	2.40	410	-1	16
5644	Circle A-3	T.2N.,R.12E.,sec.10	73	15	243	0.4	6	-1	-10	-10	41	3.02	211	-1	14
5645	Circle A-3	T.2N.,R.12E.,sec.3	58	12	212	0.3	5	-1	-10	-10	35	2.98	258	-1	11

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5646	Circle A-2	T.2N.,R.12E.,sec.3	39	11	171	0.2	4	-1	-10	12	34	5.34	844	-1	12
5648	Circle A-2	T.2N.,R.12E.,sec.3	33	10	155	0.1	4	-1	-10	-10	27	2.58	283	-1	14
5649	Circle A-3	T.3N.,R.12E.,sec.34	39	11	171	0.2	4	-1	-10	-10	30	2.72	285	-1	13
5650	Circle A-3	T.3N.,R.12E.,sec.34	39	11	171	0.2	4	-1	-10	-10	30	2.67	332	-1	11
5651	Circle A-3	T.3N.,R.12E.,sec.34	27	9	154	0.1	3	-1	-10	-10	25	2.66	234	-1	11
5653	Circle A-3	T.2N.,R.12E.,sec.2	13	6	86	-0.1	2	-1	-10	-10	22	2.77	268	-1	13
5654	Circle A-3	T.2N.,R.12E.,sec.2	29	11	154	0.1	4	-1	-10	12	33	3.12	617	-1	12
5655	Circle A-3	T.2N.,R.12E.,sec.2	17	8	137	0.1	3	-1	-10	-10	26	2.77	348	-1	11
5656	Circle A-3	T.3N.,R.12E.,sec.35	38	10	149	0.2	4	-1	-10	-10	30	2.82	342	-1	13
5658	Circle A-3	T.3N.,R.12E.,sec.35	25	8	140	0.1	3	-1	-10	-10	25	2.65	244	-1	11
5659	Circle A-3	T.3N.,R.12E.,sec.35	25	9	134	0.1	4	-1	-10	-10	25	2.52	303	-1	-10
5660	Circle A-3	T.3N.,R.12E.,sec.35	51	13	175	0.2	4	-1	-10	12	37	3.35	529	-1	17
5661	Circle A-2	T.3N.,R.16E.,sec.19	15	8	58	-0.1	2	-1	-10	-10	18	2.00	312	-1	19
5662	Circle A-2	T.3N.,R.16E.,sec.19	33	11	114	0.1	3	-1	-10	11	32	3.38	401	-1	40
5663	Circle A-2	T.3N.,R.16E.,sec.19	24	8	88	0.1	4	-1	-10	-10	27	2.68	366	-1	33
5664	Circle A-2	T.3N.,R.16E.,sec.30	36	12	136	0.1	3	-1	-10	12	35	3.17	485	-1	36
5665	Circle A-2	T.3N.,R.15E.,sec.25	29	11	96	0.1	2	-1	-10	10	27	2.77	370	-1	32
5666	Circle A-2	T.3N.,R.15E.,sec.25	9	8	52	-0.1	2	-1	-10	-10	11	1.63	246	-1	10
5668	Circle A-2	T.3N.,R.15E.,sec.36	10	12	58	0.1	4	-1	-10	11	13	3.13	661	-1	18
5669	Circle A-2	T.3N.,R.15E.,sec.36	5	10	50	0.1	4	-1	10	-10	10	2.03	353	-1	10
5670	Circle A-2	T.3N.,R.15E.,sec.36	9	10	72	0.1	4	-1	-10	10	14	2.27	447	-1	13
5671	Circle A-2	T.3N.,R.15E.,sec.28	21	14	72	0.1	4	-1	12	-10	21	2.70	354	-1	21
5672	Circle A-2	T.3N.,R.15E.,sec.28	24	16	75	-0.1	4	-1	12	11	28	3.25	441	-1	29
5673	Circle A-2	T.3N.,R.15E.,sec.33	18	10	61	0.1	3	-1	-10	-10	20	2.24	268	-1	19
5675	Circle A-2	T.3N.,R.15E.,sec.33	40	16	94	0.1	4	-1	60	16	41	3.70	474	-1	37
5677	Circle A-2	T.3N.,R.15E.,sec.33	36	15	90	0.1	5	-1	55	15	39	3.48	431	-1	36
5678	Circle A-2	T.3N.,R.15E.,sec.33	23	10	70	0.1	1	-1	18	10	25	2.70	326	-1	25
5679	Circle A-2	T.3N.,R.15E.,sec.33	27	11	72	0.1	2	-1	-10	11	30	2.82	324	-1	30
5680	Circle A-2	T.3N.,R.15E.,sec.34	18	13	71	0.1	2	-1	-10	-10	21	2.79	425	-1	19
5681	Circle A-2	T.3N.,R.15E.,sec.34	18	9	66	-0.1	1	-1	-10	-10	21	2.70	356	-1	19
5682	Circle A-2	T.3N.,R.15E.,sec.33	23	11	79	0.1	2	-1	-10	11	26	3.05	343	-1	23
5683	Circle A-2	T.3N.,R.15E.,sec.33	19	9	63	0.1	1	-1	-10	-10	20	2.45	232	-1	18
5685	Circle A-2	T.2N.,R.15E.,sec.4	22	10	73	0.1	2	-1	-10	10	26	2.86	354	-1	27
5686	Circle A-2	T.2N.,R.15E.,sec.3	23	9	70	0.1	2	-1	-10	-10	23	2.67	325	-1	24
5687	Big Delta D-3	T.2N.,R.12E.,sec.32	20	16	153	0.4	4	-1	13	-10	25	2.47	400	-1	20
5688	Big Delta D-3	T.2N.,R.12E.,sec.30	29	17	403	0.4	4	-1	12	13	48	2.78	721	-1	16
5689	Big Delta D-3	T.2N.,R.12E.,sec.30	34	16	897	0.4	5	-1	16	14	73	2.82	697	-1	20
5690	Big Delta D-3	T.2N.,R.12E.,sec.30	35	15	754	0.3	4	-1	15	12	67	2.71	582	2	19
5692	Big Delta D-3	T.2N.,R.12E.,sec.30	61	10	129	0.4	4	-1	-10	-10	24	2.21	245	-1	14
5693	Big Delta D-3	T.2N.,R.12E.,sec.30	54	14	632	0.5	5	-1	-10	13	66	2.74	597	5	18
5695	Big Delta D-3	T.2N.,R.12E.,sec.30	45	13	446	0.3	4	-1	-10	12	53	2.66	547	2	14
5696	Big Delta D-3	T.2N.,R.12E.,sec.19	29	10	333	0.3	4	-1	-10	-10	40	2.35	442	1	13
5698	Big Delta D-3	T.2N.,R.12E.,sec.19	66	12	700	0.5	18	-1	34	21	99	3.30	1190	3	13
5699	Big Delta D-3	T.2N.,R.12E.,sec.19	31	9	352	0.3	5	-1	-10	10	45	2.48	515	1	-10
5700	Big Delta D-3	T.2N.,R.12E.,sec.19	49	11	308	0.3	3	705	-10	11	44	2.55	398	1	15
5701	Big Delta D-3	T.2N.,R.12E.,sec.19	32	9	276	0.2	4	-10	-10	12	43	2.46	645	2	15
5703	Big Delta D-3	T.2N.,R.12E.,sec.18	28	12	129	0.2	2	-10	-10	15	35	3.28	485	-1	24
5704	Big Delta D-3	T.2N.,R.12E.,sec.18	32	9	236	0.2	3	-10	-10	12	40	2.72	499	1	24
5705	Circle A-3	T.3N.,R.11E.,sec.26	42	14	111	0.2	2	-10	-10	14	40	3.73	518	-1	56
5706	Circle A-3	T.3N.,R.11E.,sec.35	34	12	95	0.1	2	-10	-10	14	36	3.56	404	-1	43
5707	Circle A-3	T.3N.,R.11E.,sec.35	25	11	121	0.1	2	-10	-10	13	33	3.42	413	-1	34
5708	Circle A-3	T.3N.,R.11E.,sec.35	31	8	87	0.2	2	-10	-10	14	39	3.34	299	-1	55
5710	Circle A-3	T.3N.,R.11E.,sec.35	49	13	120	0.3	3	-10	-10	14	36	3.45	487	-1	40

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5711	Circle A-3	T.3N.,R.11E.,sec.35	41	9	132	0.2	4	-10	-10	14	37	3.77	3240	-1	29
5712	Circle A-3	T.3N.,R.11E.,sec.34	46	18	115	0.2	3	-10	29	20	51	3.95	6.36	-1	48
5714	Circle A-3	T.3N.,R.11E.,sec.34	22	6	76	0.1	3	-10	-10	13	28	2.83	340	-1	17
5715	Circle A-3	T.3N.,R.11E.,sec.34	21	9	74	0.1	3	-10	-10	14	32	3.09	243	-1	41
5717	Circle A-3	T.3N.,R.11E.,sec.34	46	15	114	0.1	4	-1	-10	15	40	3.77	237	-1	37
5718	Circle A-3	T.2N.,R.11E.,sec.3	14	5	65	-0.1	3	-1	-10	12	24	2.67	520	-1	18
5719	Circle A-3	T.2N.,R.11E.,sec.3	21	8	100	-0.1	4	-1	-10	16	36	3.61	1560	-1	27
5720	Big Delta D-2	T.2N.,R.14E.,sec.23	30	6	56	-0.1	3	-1	-10	12	32	3.06	315	-1	49
5721	Big Delta D-2	T.2N.,R.14E.,sec.23	27	12	75	0.1	3	-1	-10	11	29	3.24	498	-1	30
5722	Big Delta D-2	T.2N.,R.14E.,sec.22	64	24	132	-0.1	3	-1	12	35	60	4.93	688	-1	48
5724	Big Delta D-2	T.2N.,R.14E.,sec.14	30	14	63	0.1	2	-1	-10	10	29	3.04	270	-1	32
5725	Big Delta D-2	T.2N.,R.14E.,sec.14	31	15	68	0.1	2	-1	-10	13	34	3.21	329	-1	36
5726	Circle A-2	T.2N.,R.14E.,sec.14	33	12	75	0.1	3	-1	-10	13	38	3.30	423	-1	35
5727	Circle A-2	T.2N.,R.14E.,sec.10	46	15	75	-0.1	3	-1	31	16	39	3.30	380	-1	46
5728	Circle A-2	T.2N.,R.14E.,sec.10	38	13	75	-0.1	3	-1	22	14	40	3.40	408	-1	41
5729	Circle A-2	T.2N.,R.14E.,sec.10	35	12	78	0.2	3	-1	43	13	36	3.27	493	-1	39
5731	Circle A-2	T.2N.,R.14E.,sec.16	28	15	85	-0.1	2	-1	16	12	29	3.33	471	-1	36
5732	Big Delta D-3	T.1N.,R.12E.,sec.12	45	10	116	0.4	10	-1	128	-10	29	3.02	232	-1	37
5733	Big Delta D-3	T.1N.,R.12E.,sec.12	40	11	228	0.2	6	-1	329	12	39	2.74	462	-1	41
5734	Big Delta D-3	T.1N.,R.12E.,sec.1	58	15	297	0.4	4	-1	96	11	46	2.74	537	1	56
5736	Big Delta D-3	T.1N.,R.12E.,sec.1	40	14	219	0.3	4	-1	66	11	40	2.78	351	1	47
5737	Big Delta D-3	T.1N.,R.13E.,sec.7	39	11	196	0.3	5	-1	26	12	37	3.05	508	1	45
5738	Big Delta D-3	T.1N.,R.13E.,sec.6	27	11	126	0.1	4	-1	-10	11	31	3.10	366	-1	53
5739	Big Delta D-3	T.1N.,R.13E.,sec.6	32	13	173	0.2	4	-1	14	16	41	3.31	715	-1	50
5741	Big Delta D-3	T.1N.,R.13E.,sec.6	35	12	149	0.2	4	-1	-10	17	49	3.42	511	-1	58
5742	Big Delta D-2	T.2N.,R.14E.,sec.30	28	14	75	-0.1	2	-1	-10	11	27	3.57	563	-1	30
5743	Big Delta D-2	T.2N.,R.14E.,sec.30	33	16	88	0.1	2	-1	-10	13	33	4.14	552	-1	39
5744	Big Delta D-2	T.2N.,R.13E.,sec.25	34	18	98	0.2	3	-1	-10	14	34	4.27	664	-1	38
5745	Big Delta D-3	T.2N.,R.13E.,sec.25	31	18	99	0.2	3	-1	-10	17	42	3.80	620	-1	34
5747	Big Delta D-3	T.2N.,R.13E.,sec.25	33	15	129	0.1	4	-1	20	19	48	3.86	744	-1	46
5748	Big Delta D-3	T.2N.,R.13E.,sec.36	25	15	73	0.1	2	-1	12	14	29	3.47	692	-1	29
5749	Big Delta D-3	T.2N.,R.13E.,sec.36	28	23	100	0.1	2	-1	21	14	33	4.00	632	-1	39
5750	Big Delta D-3	T.2N.,R.13E.,sec.36	25	21	85	0.2	2	-1	19	14	31	3.57	617	-1	34
5751	Big Delta D-3	T.2N.,R.13E.,sec.26	23	22	78	0.2	2	-1	17	12	26	3.36	467	-1	33
5752	Big Delta D-3	T.2N.,R.13E.,sec.26	23	17	76	0.1	2	-1	11	11	30	3.45	476	-1	40
5753	Big Delta D-3	T.2N.,R.13E.,sec.34	23	12	65	-0.1	2	-1	20	-10	26	3.14	431	-1	30
5754	Big Delta D-3	T.2N.,R.13E.,sec.34	32	17	96	0.1	2	-1	72	19	37	3.79	714	-1	37
5755	Big Delta D-3	T.2N.,R.13E.,sec.34	23	15	76	0.2	2	-1	71	15	32	3.11	511	-1	32
5757	Big Delta D-2	T.1N.,R.14E.,sec.22	44	17	109	0.4	3	-1	-10	14	40	3.82	707	-1	-1
5758	Big Delta D-2	T.1N.,R.14E.,sec.22	41	10	116	-0.1	3	-1	-10	15	44	3.80	496	-1	64
5759	Big Delta D-2	T.1N.,R.14E.,sec.22	32	9	66	-0.1	3	-1	-10	17	48	4.66	561	-1	60
5761	Big Delta D-2	T.1N.,R.14E.,sec.22	40	9	99	0.1	3	-1	-10	16	48	4.15	528	-1	67
5763	Big Delta D-2	T.1N.,R.14E.,sec.21	38	17	84	0.1	2	-1	-10	17	43	4.05	441	-1	39
5764	Big Delta D-2	T.1N.,R.14E.,sec.15	39	15	102	-0.1	2	-1	-10	20	48	4.19	557	-1	42
5765	Big Delta D-2	T.1N.,R.14E.,sec.15	40	16	102	-0.1	2	-1	-10	20	48	4.19	738	-1	42
5766	Big Delta D-2	T.1N.,R.14E.,sec.16	29	15	61	0.1	3	-1	24	-10	28	4.16	231	-1	43
5767	Big Delta D-2	T.1N.,R.14E.,sec.16	31	8	102	0.1	2	-1	-10	13	41	3.45	432	-1	55
5769	Big Delta D-2	T.1N.,R.14E.,sec.16	17	6	58	0.1	2	-1	-10	11	29	2.54	469	-1	34
5770	Big Delta D-2	T.1N.,R.14E.,sec.16	34	12	90	-0.1	2	-1	-10	15	40	4.03	538	-1	42
5772	Big Delta D-2	T.1N.,R.14E.,sec.16	30	11	81	-0.1	2	-1	-10	15	37	3.67	541	-1	39
5773	Big Delta D-2	T.1N.,R.14E.,sec.9	29	10	86	-0.1	2	-1	-10	15	39	3.41	529	-1	46
5774	Big Delta D-2	T.1N.,R.14E.,sec.9	28	10	81	-0.1	2	-1	-10	13	38	3.31	451	-1	47
5775	Big Delta D-2	T.1N.,R.14E.,sec.9	25	11	71	-0.1	2	-	-10	12	58	2.83	406	-1	59

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5777	Big Delta D-2	T.1N.,R.14E.,sec.8	15	7	50	-0.1	1	-	-10	-10	50	2.27	340	-1	52
5778	Big Delta D-2	T.2N.,R.14E.,sec.35	43	15	81	-0.1	2	-	-10	18	77	3.81	630	-1	89
5779	Big Delta D-2	T.2N.,R.14E.,sec.35	36	11	73	-0.1	2	-	-10	16	74	3.38	622	-1	93
5780	Big Delta D-2	T.2N.,R.14E.,sec.34	42	13	84	0.1	2	-	14	18	76	3.83	642	-1	93
5781	Big Delta D-2	T.2N.,R.14E.,sec.34	32	12	65	0.1	2	-	-10	14	64	3.19	510	-1	82
5782	Big Delta D-2	T.2N.,R.14E.,sec.34	27	11	74	0.4	3	-	15	17	69	3.52	692	-1	81
5784	Big Delta D-2	T.1N.,R.14E.,sec.11	31	27	76	0.2	2	-	206	10	54	3.81	369	-1	65
5785	Big Delta D-2	T.1N.,R.14E.,sec.11	39	26	105	0.2	3	-	175	20	67	4.22	1120	-1	76
5786	Big Delta D-2	T.1N.,R.14E.,sec.11	29	19	86	0.1	3	-	135	21	58	3.75	1100	-1	66
5787	Big Delta D-2	T.1N.,R.14E.,sec.2	30	15	78	0.1	2	-	40	15	60	3.78	580	-1	78
5788	Big Delta D-2	T.1N.,R.14E.,sec.2	31	18	85	0.2	1	-	55	16	65	3.66	614	-1	81
5790	Big Delta D-2	T.1N.,R.14E.,sec.3	37	16	74	0.1	2	-	27	16	72	3.57	619	-1	95
5791	Big Delta D-2	T.1N.,R.14E.,sec.3	34	17	71	0.1	2	-	40	15	66	3.42	543	-1	88
5792	Big Delta D-2	T.2N.,R.15E.,sec.29	41	17	69	-0.1	1	-	-10	18	64	3.40	503	-1	70
5793	Big Delta D-2	T.2N.,R.15E.,sec.29	40	18	76	0.1	2	-	-10	27	58	4.01	766	-1	42
5794	Big Delta D-2	T.2N.,R.15E.,sec.29	30	11	59	-0.1	1	-	-10	21	52	3.52	758	-1	46
5795	Big Delta D-2	T.2N.,R.15E.,sec.28	26	12	57	-0.1	2	-	-10	20	57	3.24	700	-1	44
5796	Big Delta D-2	T.2N.,R.15E.,sec.28	28	14	63	-0.1	2	-	-10	23	52	3.80	986	-1	39
5797	Big Delta D-2	T.2N.,R.15E.,sec.28	33	15	81	0.4	3	-	-10	21	61	4.81	385	-1	45
5798	Big Delta D-2	T.2N.,R.15E.,sec.28	36	16	79	0.1	2	-	-10	24	61	5.49	720	-1	52
5799	Big Delta D-2	T.2N.,R.15E.,sec.28	36	14	60	0.1	2	-	-10	19	52	3.59	790	-1	39
5801	Big Delta D-2	T.2N.,R.15E.,sec.21	28	10	54	-0.1	2	-	-10	14	49	3.53	435	-1	52
5803	Big Delta D-2	T.2N.,R.15E.,sec.27	48	13	87	0.4	2	-	-10	24	75	4.94	532	-1	67
5805	Big Delta D-2	T.2N.,R.15E.,sec.27	33	10	81	0.1	2	-	-10	24	59	4.45	701	-1	51
5807	Big Delta D-2	T.2N.,R.15E.,sec.26	37	12	65	0.1	2	-	-10	18	54	3.85	492	-1	51
5809	Big Delta D-2	T.2N.,R.15E.,sec.26	36	10	76	0.1	3	-	-10	18	60	3.91	542	-1	46
5810	Big Delta D-3	T.1N.,R.13E.,sec.26	18	17	71	-0.1	4	-	28	-10	24	3.83	701	-1	25
5811	Big Delta D-3	T.1N.,R.13E.,sec.23	11	12	53	-0.1	2	-	52	-10	22	3.05	492	-1	22
5812	Big Delta D-3	T.1N.,R.13E.,sec.23	11	11	65	0.1	2	-	51	-10	22	3.63	614	-1	21
5814	Big Delta D-3	T.1N.,R.13E.,sec.23	13	11	58	-0.1	2	-	78	-10	23	3.22	497	-1	25
5816	Big Delta D-3	T.1N.,R.13E.,sec.23	14	12	69	-0.1	2	-	164	-10	26	3.36	703	-1	30
5817	Big Delta D-3	T.1N.,R.13E.,sec.14	18	17	88	0.1	2	-	201	11	30	3.77	902	-1	29
5818	Big Delta D-3	T.1N.,R.13E.,sec.14	22	15	76	0.1	2	-	197	10	34	3.16	525	-1	32
5819	Big Delta D-3	T.1N.,R.13E.,sec.14	19	11	64	0.1	2	-	157	-10	29	3.08	401	-1	28
5821	Big Delta D-3	T.1N.,R.13E.,sec.14	23	15	87	0.2	2	-1	180	12	29	3.45	581	-1	39
5822	Big Delta D-3	T.1N.,R.13E.,sec.11	19	13	83	0.1	2	-1	152	11	27	3.41	537	-1	37
5823	Big Delta D-3	T.1N.,R.13E.,sec.11	16	13	74	0.2	2	-1	127	10	24	3.15	470	-1	31
5824	Big Delta D-3	T.1N.,R.13E.,sec.32	40	13	252	0.5	6	-	29	22	45	2.47	771	2	34
5825	Big Delta D-3	T.1N.,R.13E.,sec.32	55	14	346	0.6	6	-	15	13	47	2.65	444	2	38
5826	Big Delta D-3	T.1N.,R.13E.,sec.31	55	12	355	0.5	8	-	-10	10	49	2.63	228	1	38
5827	Big Delta D-3	T.1N.,R.13E.,sec.31	39	12	231	0.3	8	-	-10	13	55	2.63	623	1	46
5828	Big Delta D-3	T.1N.,R.13E.,sec.31	37	15	430	0.3	9	-	12	10	54	2.63	347	-1	33
5830	Big Delta D-3	T.1N.,R.13E.,sec.31	40	15	412	0.3	7	-	-10	10	54	2.57	388	-1	31
5831	Big Delta D-3	T.1N.,R.13E.,sec.15	29	18	61	0.1	2	-	292	17	49	4.08	451	-1	47
5832	Big Delta D-3	T.1N.,R.13E.,sec.15	29	14	60	0.2	3	-	278	15	44	3.76	425	-1	43
5833	Big Delta D-3	T.1N.,R.13E.,sec.15	31	13	73	0.1	3	-	293	19	46	3.94	671	-1	49
5834	Big Delta D-3	T.1N.,R.13E.,sec.10	18	12	59	0.1	3	-	153	12	34	3.07	476	-1	36
5836	Big Delta D-3	T.1N.,R.13E.,sec.10	20	15	68	0.2	2	-	191	18	36	3.23	827	-1	27
5837	Big Delta D-3	T.1N.,R.12E.,sec.29	24	20	66	0.6	3	-	-10	12	32	2.49	787	-1	22
5838	Big Delta D-3	T.1N.,R.12E.,sec.20	19	22	57	0.3	2	-	-10	12	32	2.71	403	-1	27
5839	Big Delta D-3	T.1N.,R.12E.,sec.20	21	20	59	0.2	2	-	-10	17	39	2.92	411	-1	26
5841	Big Delta D-3	T.1N.,R.12E.,sec.20	23	12	140	0.4	3	-	-10	13	35	2.68	458	-1	25
5843	Big Delta D-3	T.1N.,R.12E.,sec.20	38	17	703	0.5	7	-	19	23	85	3.11	889	7	20

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
5844	Big Delta D-3	T.1N.,R.12E.,sec.17	38	15	521	1.0	8	-	41	16	69	2.41	1210	8	18
5846	Big Delta D-3	T.1N.,R.12E.,sec.17	30	52	943	0.8	7	-	47	13	74	2.04	878	10	14
5848	Big Delta D-3	T.1N.,R.12E.,sec.16	27	29	748	0.4	7	-	51	12	82	2.20	766	5	26
5849	Big Delta D-3	T.1N.,R.12E.,sec.16	28	25	834	0.5	5	-	43	11	86	2.24	459	4	24
5850	Big Delta D-3	T.1N.,R.12E.,sec.21	24	30	754	0.4	4	-	19	12	75	2.11	804	5	23
5851	Big Delta D-3	T.1N.,R.12E.,sec.21	24	23	622	0.5	4	-	28	11	72	2.29	514	2	27
5852	Big Delta D-3	T.2N.,R.11E.,sec.36	38	118	148	1.3	7	-	-10	-10	42	2.19	274	-1	21
5853	Big Delta D-3	T.2N.,R.11E.,sec.31	36	47	316	1.0	6	-	-10	-10	54	2.06	338	1	27
5854	Big Delta D-3	T.1N.,R.11E.,sec.1	19	13	182	0.5	4	-	-10	-10	43	1.48	126	-1	17
5856	Big Delta D-3	T.1N.,R.11E.,sec.1	41	10	368	0.5	6	-	-10	10	61	2.08	235	2	20
5857	Big Delta D-3	T.1N.,R.11E.,sec.1	37	16	350	0.5	4	-	-10	10	59	2.16	290	1	22
5859	Big Delta D-3	T.1N.,R.11E.,sec.2	32	15	361	0.4	4	-	-10	10	56	2.05	215	1	18
5860	Big Delta D-3	T.1N.,R.11E.,sec.2	38	14	556	0.4	6	-	-10	11	68	2.61	286	1	16
5861	Big Delta D-3	T.1N.,R.11E.,sec.2	47	16	575	0.5	9	-	-10	13	76	2.62	478	1	18
5867	Big Delta D-3	T.1N.,R.11E.,sec.22	17	12	75	0.1	2	-1	40	17	35	3.89	840	-1	25
5868	Big Delta D-3	T.1N.,R.11E.,sec.27	40	10	74	0.1	3	-1	31	21	49	4.82	584	-1	31
5870	Big Delta D-3	T.1N.,R.11E.,sec.27	37	10	81	-0.1	1	-1	18	20	49	4.72	615	-1	32
5871	Big Delta D-3	T.1N.,R.11E.,sec.27	30	11	72	-0.1	2	-1	52	19	42	4.12	578	-1	30
5873	Big Delta D-3	T.1N.,R.11E.,sec.27	32	9	67	0.1	2	-1	25	18	43	4.32	432	-1	31
5874	Big Delta D-3	T.1N.,R.11E.,sec.26	32	11	58	0.2	2	-1	27	17	41	4.28	490	-1	31
5875	Big Delta D-3	T.1N.,R.11E.,sec.26	36	10	77	-0.1	2	-1	45	20	63	4.57	643	-1	38
5878	Big Delta D-3	T.1N.,R.11E.,sec.26	123	21	1740	0.2	4	-1	169	14	147	3.46	295	19	37
5879	Big Delta D-2	T.1N.,R.14E.,sec.31	19	14	78	0.2	3	-1	-10	-10	25	3.35	473	-1	19
5880	Big Delta D-2	T.1N.,R.14E.,sec.31	21	17	88	0.3	2	-1	29	-10	25	3.30	565	-1	28
5881	Big Delta D-2	T.1N.,R.14E.,sec.31	40	13	114	0.8	5	-1	184	-10	33	2.73	609	1	24
5883	Big Delta D-2	T.15R.14E.,sec.5	23	15	76	0.2	4	-1	31	-10	28	3.41	359	-1	25
5885	Big Delta D-2	T.1S.,R.14E.,sec.5	23	14	97	-0.1	4	-1	34	-10	30	3.26	604	-1	22
5886	Big Delta D-3	T.1S.,R.12E.,sec.5	26	16	85	-0.1	3	-1	-10	17	42	4.05	628	-1	31
5887	Big Delta D-3	T.1S.,R.12E.,sec.5	22	14	67	-0.1	3	-1	-10	13	33	3.36	529	-1	20
5888	Big Delta D-3	T.1N.,R.12E.,sec.31	23	14	70	0.2	2	-1	-10	14	35	3.17	588	-1	24
5889	Big Delta D-3	T.1N.,R.12E.,sec.31	23	18	61	0.2	3	-1	-10	14	33	3.57	462	-1	24
5890	Big Delta D-3	T.1N.,R.12E.,sec.31	15	16	43	0.2	3	-1	-10	-10	23	2.57	222	-1	18
5892	Big Delta D-3	T.1N.,R.11E.,sec.36	23	16	72	0.1	3	-1	-10	13	33	3.31	562	-1	25
5893	Big Delta D-3	T.1N.,R.11E.,sec.36	15	12	57	0.2	2	-	-10	-10	27	2.53	329	-1	21
5894	Big Delta D-3	T.1N.,R.11E.,sec.36	19	7	60	-0.1	2	-	-10	11	30	2.82	429	-1	18
5895	Big Delta D-3	T.1S.,R.12E.,sec.6	18	9	56	0.1	2	-	13	11	32	2.89	493	-1	29
5897	Big Delta D-3	T.1N.,R.11E.,sec.36	15	8	51	0.1	2	-	14	-10	27	2.68	349	-1	23
5899	Big Delta D-3	T.1N.,R.11E.,sec.35	11	7	38	-0.1	2	-	-10	-10	25	2.54	254	-1	26
5900	Big Delta D-3	T.1N.,R.11E.,sec.35	18	14	53	0.1	2	-	-10	12	29	2.77	672	-1	24
6321	Big Delta D-3	T.2N.,R.13E.,sec.30	38	12	194	0.3	5	-1	35	-10	33	2.60	421	-1	35
6322	Big Delta D-3	T.2N.,R.13E.,sec.29	42	13	195	0.4	5	-1	39	11	38	2.94	506	1	34
6323	Big Delta D-3	T.2N.,R.13E.,sec.29	24	15	135	0.2	3	-1	22	10	29	2.87	457	-1	30
6324	Big Delta D-3	T.2N.,R.13E.,sec.32	26	12	111	0.2	3	-1	14	12	37	3.19	558	-1	50
6326	Big Delta D-3	T.2N.,R.13E.,sec.32	29	13	118	0.1	3	-1	24	13	38	3.04	487	-1	41
6327	Big Delta D-3	T.2N.,R.13E.,sec.32	23	12	100	0.1	3	-1	16	15	37	3.04	633	-1	39
6328	Big Delta D-3	T.2N.,R.13E.,sec.32	20	11	86	0.1	2	-1	14	13	38	2.79	516	-1	34
6330	Big Delta D-3	T.2N.,R.13E.,sec.32	19	10	85	0.1	2	-1	13	12	34	2.69	457	-1	32
6331	Big Delta D-3	T.2N.,R.13E.,sec.5	33	9	302	0.2	4	-1	68	11	47	2.51	556	1	28
6332	Circle A-2	T.2N.,R.14E.,sec.18	23	10	81	-0.1	2	-1	10	12	38	2.94	399	-1	57
6333	Circle A-2	T.2N.,R.14E.,sec.7	23	11	81	-0.1	3	-1	-10	12	39	3.06	431	-1	61
6334	Circle A-2	T.2N.,R.14E.,sec.7	23	10	76	0.1	2	-1	-10	11	37	2.98	407	-1	58
6336	Circle A-2	T.2N.,R.13E.,sec.12	22	11	78	-0.1	2	-1	-10	11	37	2.93	407	-1	57
6337	Circle A-2	T.2N.,R.13E.,sec.1	17	8	61	-0.1	2	-1	-10	-10	31	2.35	365	-1	48

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
6339	Circle A-2	T.2N.,R.13E.,sec.1	26	9	77	0.2	2	-1	-10	14	50	3.13	325	-1	54
6341	Circle A-3	T.3N.,R.13E.,sec.11	36	10	75	-0.1	4	-1	-10	17	49	3.76	621	-1	37
6343	Circle A-3	T.3N.,R.13E.,sec.11	23	11	71	-0.1	4	-1	-10	12	31	3.42	660	-1	34
6344	Circle A-3	T.3N.,R.13E.,sec.14	29	9	69	-0.1	4	-1	-10	12	30	3.12	482	-1	21
6346	Circle A-3	T.3N.,R.13E.,sec.14	30	8	71	-0.1	3	-1	-10	12	30	3.15	555	-1	21
6347	Circle A-3	T.3N.,R.13E.,sec.14	24	9	62	-0.1	3	-1	-10	-10	31	3.01	475	-1	32
6349	Circle A-3	T.3N.,R.13E.,sec.14	24	9	59	-0.1	2	-1	-10	-10	29	2.96	446	-1	30
6350	Circle A-3	T.3N.,R.13E.,sec.13	24	9	61	-0.1	4	-1	-10	10	31	2.94	402	-1	30
6351	Circle A-3	T.3N.,R.13E.,sec.13	24	8	61	-0.1	3	-1	-10	10	32	2.89	389	-1	29
6353	Circle A-3	T.3N.,R.13E.,sec.15	10	8	52	0.1	2	-1	-10	-10	10	1.62	389	-1	-10
6354	Circle A-3	T.3N.,R.13E.,sec.22	30	13	77	0.2	2	-1	-10	14	29	2.76	620	-1	25
6355	Circle A-3	T.3N.,R.13E.,sec.22	32	12	75	0.2	3	-1	-10	12	34	2.96	403	-1	33
6357	Circle A-3	T.3N.,R.13E.,sec.21	27	16	87	0.3	2	-1	-10		44	3.17	765	-1	33
6358	Circle A-3	T.3N.,R.13E.,sec.22	24	7	52	0.1	2	-1	-10	-10	20	2.53	400	-1	19
6359	Circle A-3	T.3N.,R.13E.,sec.22	18	6	53	0.1	1	-1	-10	-10	17	2.02	354	-1	14
6360	Circle A-3	T.3N.,R.13E.,sec.22	13	5	47	0.1	1	-1	-10	-10	14	1.70	280	-1	-10
6361	Circle A-3	T.3N.,R.13E.,sec.27	21	11	67	0.1	2	-1	-10	-10	26	2.81	632	-1	26
6363	Circle A-3	T.3N.,R.13E.,sec.27	21	11	68	0.1	2	-1	-10	-10	26	2.82	567	-1	23
6364	Circle A-3	T.2N.,R.13E.,sec.2	24	7	59	-0.1	2	-1	-10	12	39	2.89	376	-1	52
6365	Circle A-3	T.2N.,R.13E.,sec.3	24	8	62	-0.1	2	-1	-10	13	41	2.82	330	-1	52
6366	Circle A-3	T.2N.,R.13E.,sec.3	22	8	63	-0.1	2	-1	-10	12	39	2.86	338	-1	51
6368	Circle A-3	T.2N.,R.13E.,sec.3	23	6	59	-0.1	2	-1	-10	12	40	3.07	414	-1	56
6369	Circle A-3	T.3N.,R.13E.,sec.34	20	5	52	-0.1	2	-1	-10	11	35	2.70	365	-1	51
6370	Circle A-3	T.3N.,R.13E.,sec.34	22	5	57	-0.1	2	-1	-10	12	39	3.06	390	-1	57
6371	Circle A-3	T.3N.,R.13E.,sec.34	23	6	58	-0.1	5	-1	40	12	39	3.16	406	-1	55
6374	Circle A-2	T.3N.,R.15E.,sec.15	32	10	76	-0.1	2	-	-10	17	48	3.17	466	-1	37
6376	Circle A-2	T.3N.,R.15E.,sec.23	9	6	40	-0.1	1	-	-10	-10	28	1.15	152	-1	23
6378	Circle A-2	T.3N.,R.15E.,sec.23	18	10	94	0.1	2	-	-10	-10	39	2.41	373	-1	31
6382	Circle A-2	T.2N.,R.14E.,sec.8	21	9	75	-0.1	2	-	-10	12	45	2.60	395	-1	34
6384	Circle A-2	T.2N.,R.14E.,sec.5	10	5	41	-0.1	1	-	-10	-10	34	1.81	260	-1	29
6386	Circle A-2	T.2N.,R.14E.,sec.5	23	10	93	-0.1	2	-	-10	12	49	3.11	310	-1	50
6388	Big Delta D-3	T.1N.,R.13E.,sec.28	33	7	218	0.1	4	-	46	12	48	2.69	406	-1	40
6390	Big Delta D-3	T.1N.,R.13E.,sec.28	9	6	215	-0.1	4	-	50	-10	30	2.54	396	-1	-10
6392	Big Delta D-3	T.1N.,R.13E.,sec.29	31	9	212	-0.1	4	-	54	12	46	2.53	409	1	36
6393	Big Delta D-3	T.1N.,R.13E.,sec.29	34	10	225	-0.1	4	-	51	13	48	2.71	441	1	38
6394	Big Delta D-3	T.1N.,R.13E.,sec.29	28	8	206	0.2	3	-	56	12	44	2.33	373	1	38
6395	Big Delta D-3	T.1N.,R.13E.,sec.29	29	7	213	0.2	4	-	55	12	44	2.55	399	-1	37
6397	Big Delta D-3	T.1N.,R.13E.,sec.29	28	9	217	0.3	3	-	41	12	44	2.43	382	1	36
6398	Big Delta D-3	T.1N.,R.13E.,sec.30	27	10	209	0.2	3	-	43	11	42	2.25	350	1	34
6399	Big Delta D-3	T.1N.,R.13E.,sec.30	34	12	229	0.2	5	-	38	13	45	2.77	421	1	44
6400	Big Delta D-3	T.1N.,R.12E.,sec.28	23	17	63	-0.1	3	-	-10	13	41	3.04	382	-1	35
6402	Big Delta D-3	T.1N.,R.12E.,sec.28	21	11	55	-0.1	2	-	-10	14	40	2.96	423	-1	36
6403	Big Delta D-3	T.1N.,R.12E.,sec.21	22	17	61	-0.1	2	-	-10	16	40	2.94	733	-1	39
6404	Big Delta D-3	T.1N.,R.12E.,sec.21	19	12	73	-0.1	2	-	-10	13	41	2.97	458	-1	38
6405	Big Delta D-3	T.1N.,R.12E.,sec.22	20	10	67	-0.1	2	-	-10	13	40	2.77	471	-1	38
6406	Big Delta D-3	T.1N.,R.12E.,sec.22	20	10	71	-0.1	2	-	-10	14	42	3.08	532	-1	41
6408	Big Delta D-3	T.1N.,R.12E.,sec.28	22	10	111	-0.1	2	-	-10	13	46	3.02	470	-1	40
6409	Big Delta D-3	T.1N.,R.12E.,sec.27	22	9	88	-0.1	3	-	-10	14	46	3.03	420	-1	44
6411	Big Delta D-3	T.1N.,R.12E.,sec.27	21	9	96	-0.1	2	-	-10	14	45	3.07	490	-1	43
6412	Big Delta D-3	T.1N.,R.12E.,sec.22	22	20	86	-0.1	2	-	-10	15	47	3.18	505	-1	46
6413	Big Delta D-3	T.1N.,R.13E.,sec.31	36	14	231	0.1	6	-	146	-10	52	2.87	380	-1	52
6415	Big Delta D-3	T.1N.,R.11E.,sec.33	71	12	1230	0.3	7	-	-10	14	127	2.91	423	6	32
6417	Big Delta D-3	T.1N.,R.11E.,sec.13	70	12	1250	0.3	7	-	-10	13	125	2.76	441	6	36

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
6419	Big Delta D-3	T.1N.,R.11E.,sec.13	101	21	1510	0.4	7	-	-10	17	151	4.00	612	10	43
6420	Big Delta D-3	T.1N.,R.11E.,sec.13	79	19	1230	0.5	7	-	-10	15	126	3.14	483	9	35
6421	Big Delta D-3	T.1N.,R.11E.,sec.13	66	17	1110	0.5	6	-	12	14	109	3.09	425	6	33
6423	Big Delta D-3	T.1N.,R.11E.,sec.13	79	18	1230	0.6	8	-	12	15	122	3.26	493	8	33
6637	Circle A-3	T.3N.,R.13E.,sec.1	16	8	62	-0.1	4	4	-10	11	33	2.39	406	-1	45
6638	Circle A-3	T.3N.,R.13E.,sec.1	22	11	84	-0.1	4	-1	-10	16	39	2.90	479	-1	50
6639	Circle A-3	T.3N.,R.13E.,sec.1	13	8	58	-0.1	4	-1	-10	10	31	2.18	379	-1	44
6641	Circle A-3	T.3N.,R.13E.,sec.1	24	10	72	-0.1	4	-1	-10	16	44	3.29	448	-1	50
6642	Circle A-3	T.3N.,R.13E.,sec.1	24	11	82	-0.1	5	-1	-10	14	40	2.97	521	-1	45
6643	Circle A-3	T.2N.,R.13E.,sec.35	18	9	70	-0.1	4	-1	-10	13	34	2.75	456	-1	40
6652	Circle A-3	T.2N.,R.13E.,sec.13	38	10	82	0.1	2	-1	-10	16	68	3.05	460	-1	66
6653	Circle A-3	T.2N.,R.13E.,sec.13	32	13	97	-0.1	2	-1	10	13	60	3.49	579	-1	81
6654	Circle A-3	T.2N.,R.13E.,sec.12	30	12	74	-0.1	2	-1	-10	16	57	3.17	248	-1	69
6655	Circle A-3	T.2N.,R.13E.,sec.11	27	10	81	-0.1	2	-1	-10	15	53	3.05	503	-1	63
6657	Circle A-3	T.2N.,R.13E.,sec.11	23	10	75	-0.1	2	-1	-10	16	45	2.96	466	-1	52
6658	Circle A-3	T.2N.,R.13E.,sec.11	29	9	87	-0.1	2	-1	-10	17	63	3.44	457	-1	79
6659	Circle A-3	T.2N.,R.13E.,sec.10	27	9	74	-0.1	2	-1	-10	14	59	3.17	286	-1	67
6660	Circle A-3	T.2N.,R.13E.,sec.10	22	8	75	-0.1	2	-1	-10	15	45	2.88	403	-1	53
6662	Circle A-3	T.2N.,R.13E.,sec.10	13	7	59	-0.1	2	-1	-10	11	27	2.79	348	-1	25
6664	Circle A-3	T.2N.,R.13E.,sec.10	19	8	65	-0.1	2	-1	-10	13	38	2.91	384	-1	42
6666	Circle A-3	T.2N.,R.13E.,sec.10	27	12	97	-0.1	2	-1	-10	15	41	3.11	514	-1	41
6667	Circle A-3	T.2N.,R.13E.,sec.10	20	7	69	-0.1	2	-1	-10	13	41	3.07	345	-1	38
6668	Circle A-3	T.2N.,R.13E.,sec.10	20	7	72	-0.1	4	-1	-10	13	45	2.79	423	-1	46
6669	Circle A-3	T.2N.,R.13E.,sec.4	24	10	84	-0.1	4	-1	-10	14	58	3.31	359	-1	57
6671	Circle A-3	T.2N.,R.13E.,sec.4	18	7	62	-0.1	3	-1	-10	-10	31	2.61	263	-1	47
6673	Big Delta D-3	T.1N.,R.12E.,sec.14	50	16	931	0.6	8	-1	17	-10	85	2.41	370	14	22
6674	Big Delta D-3	T.1N.,R.12E.,sec.14	60	18	1320	0.7	8	-1	18	10	111	2.49	394	16	20
6675	Big Delta D-3	T.1N.,R.12E.,sec.14	41	16	697	0.6	7	-1	32	11	69	2.32	693	5	30
6676	Big Delta D-3	T.1N.,R.12E.,sec.14	46	15	673	0.5	7	-1	64	10	71	2.41	634	5	24
6678	Big Delta D-3	T.1N.,R.12E.,sec.13	32	12	481	0.3	7	-1	82	-10	53	2.14	652	3	19
6679	Big Delta D-3	T.1N.,R.12E.,sec.24	30	11	445	0.2	7	-1	50	-10	47	2.04	400	2	21
6681	Big Delta D-3	T.1N.,R.12E.,sec.24	35	15	234	0.2	4	-1	64	-10	25	3.38	410	-1	19
6683	Big Delta D-3	T.1N.,R.12E.,sec.24	34	12	509	0.2	7	-1	67	-10	53	2.22	448	2	23
6685	Circle A-2	T.2N.,R.14E.,sec.2	46	17	142	0.2	3	-1	-10	18	44	4.04	1220	-1	55
6686	Circle A-2	T.2N.,R.14E.,sec.2	38	11	103	0.2	3	-1	-10	15	40	3.75	723	-1	53
6687	Circle A-2	T.3N.,R.14E.,sec.34	37	16	124	0.1	3	-1	-10	15	43	4.28	604	-1	67
6688	Circle A-2	T.3N.,R.14E.,sec.34	30	19	126	0.1	3	-1	-10	15	37	4.23	434	-1	62
6690	Circle A-2	T.3N.,R.14E.,sec.34	36	15	144	0.1	2	-1	-10	16	42	4.54	554	-1	67
6691	Circle A-2	T.3N.,R.14E.,sec.34	41	16	140	0.1	2	-1	-10	17	43	4.33	605	-1	65
6692	Circle A-2	T.3N.,R.14E.,sec.33	37	14	111	0.1	2	-1	-10	14	42	3.91	416	-1	65
6693	Circle A-2	T.3N.,R.14E.,sec.33	43	17	129	0.1	2	-1	-10	17	47	4.33	581	-1	70
6695	Circle A-2	T.3N.,R.14E.,sec.33	39	15	130	0.1	2	-1	-10	17	45	4.24	596	-1	65
6697	Circle A-2	T.3N.,R.15E.,sec.7	19	8	66	-0.1	2	-1	-10	-10	29	2.73	439	-1	34
6697	Circle A-2	T.3N.,R.14E.,sec.13	25	12	76	0.1	3	-1	12	10	34	3.29	473	-1	35
6698	Circle A-2	T.3N.,R.15E.,sec.7	24	12	75	-0.1	2	-1	-10	-10	32	3.23	464	-1	38
6700	Circle A-2	T.3N.,R.14E.,sec.13	26	12	76	0.1	2	-1	-10	11	33	3.27	475	-1	38
6702	Circle A-2	T.3N.,R.14E.,sec.13	26	13	68	0.1	2	-1	-10	10	32	3.11	300	-1	35
6703	Circle A-2	T.3N.,R.14E.,sec.1	24	13	99	0.1	2	-1	-10	34	40	6.19	2760	-1	44
6704	Circle A-2	T.3N.,R.14E.,sec.1	15	10	70	-0.1	2	-1	-10	11	26	3.14	601	-1	28
6706	Circle A-2	T.3N.,R.14E.,sec.12	26	14	97	0.1	2	-1	-10	19	44	4.02	966	-1	41
6707	Circle A-2	T.3N.,R.14E.,sec.12	30	17	88	-0.1	3	-1	22	11	31	4.00	501	-1	33
6709	Circle A-2	T.3N.,R.14E.,sec.11	28	20	85	0.1	2	-1	-10	12	35	3.53	511	-1	41
6710	Circle A-2	T.3N.R.,14E.,sec.12	12	13	46	0.8	2	-1	-10	-10	17	1.81	290	-1	16

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
6711	Circle A-2	T.3N.,R.14E.,sec.12	20	13	79	-0.1	3	-1	19	-10	28	3.44	449	-1	29
6713	Circle A-2	T.3N.,R.14E.,sec.13	23	14	86	0.1	3	-1	13	11	32	3.75	522	-1	33
6714	Circle A-2	T.3N.,R.14E.,sec.13	30	16	79	0.3	2	-1	-10	14	40	3.94	603	-1	47
6715	Circle A-2	T.3N.,R.14E.,sec.13	19	12	69	-0.1	3	-1	19	-10	26	2.89	449	-1	29
6717	Circle A-2	T.3N.,R.14E.,sec.3	34	26	119	0.3	2	-1	-10	12	34	4.24	455	-1	45
6719	Circle A-2	T.3N.,R.14E.,sec.3	30	23	98	0.1	3	-1	14	13	44	3.85	593	-1	47
6720	Circle A-2	T.3N.,R.14E.,sec.3	20	16	85	0.1	4	-1	11	-10	24	2.96	428	-1	27
6722	Circle A-2	T.4N.,R.14E.,sec.33	25	13	118	-0.1	5	-1	-10	-10	49	2.55	350	-1	30
6723	Circle A-2	T.3N.,R.14E.,sec.3	22	14	131	0.1	5	-1	15	14	39	2.64	723	-1	20
6724	Circle A-2	T.3N.,R.14E.,sec.4	18	12	105	0.1	5	-1	14	13	27	2.73	744	-1	22
6725	Circle A-2	T.3N.,R.14E.,sec.4	18	12	75	0.1	4	-1	-10	-10	23	2.61	373	-1	25
6728	Circle A-2	T.3N.,R.14E.,sec.4	13	9	50	-0.1	4	-1	13	-10	13	2.03	401	-1	17
6729	Circle A-2	T.3N.,R.14E.,sec.9	25	11	78	-0.1	3	-1	-10	11	26	2.86	435	-1	25
6730	Circle A-2	T.3N.,R.14E.,sec.9	16	9	60	-0.1	4	-1	13	-10	19	2.29	360	-1	16
6732	Circle A-2	T.3N.,R.14E.,sec.10	27	16	81	0.1	3	-1	23	12	31	3.47	500	-1	28
6733	Circle A-2	T.3N.,R.14E.,sec.9	19	11	71	-0.1	4	-1	13	10	25	2.61	464	-1	18
6735	Circle A-2	T.3N.,R.14E.,sec.16	15	8	61	-0.1	4	-1	12	-10	20	2.22	357	-1	15
6737	Circle A-2	T.3N.,R.14E.,sec.16	18	11	59	-0.1	3	-1	-10	-10	23	3.20	375	-1	25
6738	Circle A-2	T.3N.,R.14E.,sec.16	23	16	81	0.1	3	-1	-10	-10	35	3.57	419	1	32
6739	Circle A-2	T.3N.,R.14E.,sec.16	20	11	64	0.1	3	-1	-10	10	24	2.65	362	-1	26
6740	Circle A-2	T.3N.,R.14E.,sec.16	17	9	66	-0.1	4	-1	-10	-10	22	2.49	426	-1	20
6741	Circle A-2	T.3N.,R.14E.,sec.17	19	10	76	-0.1	5	-1	-10	-10	25	2.94	470	-1	22
6743	Big Delta D-3	T.2N.,R.12E.,sec.22	33	24	169	0.6	4	-1	-10	-10	27	2.22	279	-1	15
6744	Big Delta D-3	T.2N.,R.12E.,sec.22	41	12	185	0.4	3	-1	-10	-10	32	2.33	538	-1	28
6745	Big Delta D-3	T.2N.,R.12E.,sec.15	20	9	113	0.1	4	-1	-10	-10	23	2.50	279	-1	17
6746	Circle A-3	T.2N.,R.12E.,sec.15	18	9	114	-0.1	4	-1	-10	-10	23	2.51	301	-1	19
6748	Circle A-3	T.2N.,R.12E.,sec.15	22	8	132	-0.1	4	-1	-10	-10	23	2.46	375	-1	18
6749	Circle A-3	T.2N.,R.12E.,sec.10	17	8	118	-0.1	3	-1	-10	-10	21	2.35	336	-1	11
6751	Circle A-3	T.2N.,R.12E.,sec.9	33	10	126	-0.1	4	-1	-10	-10	24	2.06	254	-1	12
6753	Circle A-3	T.2N.,R.12E.,sec.4	22	8	112	-0.1	4	-1	-10	-10	22	2.43	250	-1	10
6754	Circle A-3	T.2N.,R.12E.,sec.4	16	8	97	-0.1	3	-1	-10	-10	18	2.20	181	-1	11
6755	Circle A-3	T.2N.,R.12E.,sec.4	16	7	103	-0.1	4	-1	-10	-10	19	2.24	228	-1	17
6756	Circle A-3	T.3N.,R.12E.,sec.33	22	9	113	-0.1	4	-1	-10	-10	23	2.56	286	-1	18
6758	Circle A-3	T.3N.,R.12E.,sec.32	21	9	113	-0.1	3	-1	-10	-10	23	2.53	288	-1	17
6760	Big Delta D-2	T.2N.,R.14E.,sec.13	32	30	106	0.3	2	-1	-10	13	30	3.97	435	-1	41
6761	Big Delta D-2	T.2N.,R.15E.,sec.18	53	24	130	0.2	2	-1	-10	24	61	4.66	590	-1	75
6763	Circle A-2	T.2N.,R.15E.,sec.18	32	42	94	0.2	2	-1	-10	12	40	3.41	336	-1	52
6764	Circle A-2	T.2N.,R.15E.,sec.18	45	30	166	0.3	2	-1	-10	23	49	4.61	653	-1	50
6765	Circle A-2	T.2N.,R.15E.,sec.18	41	28	171	0.2	2	-1	13	28	66	4.45	626	-1	59
6767	Circle A-2	T.2N.,R.15E.,sec.7	30	25	84	-0.1	3	-1	65	13	32	4.69	914	-1	24
6769	Circle A-2	T.2N.,R.15E.,sec.7	31	35	101	0.2	2	-1	23	15	33	3.85	535	-1	41
6771	Circle A-2	T.2N.,R.15E.,sec.8	62	24	138	0.3	2	-1	-10	19	37	4.61	758	-1	41
6773	Big Delta D-3	T.2N.,R.13E.,sec.30	97	16	382	0.7	7	-1	-10	-10	57	2.62	356	4	23
6774	Big Delta D-3	T.2N.,R.13E.,sec.30	47	13	301	0.3	7	-1	-10	-10	36	2.08	304	1	15
6775	Big Delta D-3	T.2N.,R.13E.,sec.19	56	14	323	0.4	7	-1	-10	-10	42	2.41	350	1	19
6776	Big Delta D-3	T.2N.,R.13E.,sec.19	46	14	268	0.3	6	-1	-10	-10	39	2.24	296	1	19
6778	Big Delta D-3	T.2N.,R.13E.,sec.19	19	11	94	0.1	4	-1	-10	-10	21	2.41	354	-1	14
6780	Big Delta D-3	T.2N.,R.12E.,sec.24	37	14	210	0.2	6	-1	-10	-10	34	2.37	415	-1	16
6781	Big Delta D-3	T.2N.,R.12E.,sec.24	23	13	134	0.1	4	-1	-10	-10	24	2.32	318	-1	16
6783	Big Delta D-3	T.2N.,R.12E.,sec.25	67	15	383	0.5	7	-1	-10	11	54	2.91	596	1	27
6784	Big Delta D-3	T.2N.,R.12E.,sec.25	57	15	495	0.5	9	-1	14	12	73	2.86	1210	1	20
6785	Big Delta D-3	T.2N.,R.12E.,sec.25	43	8	358	0.3	6	-1	-10	-10	45	2.22	292	-1	18
6788	Big Delta D-3	T.2N.,R.12E.,sec.24	43	12	401	0.2	6	-1	-10	-10	47	2.16	267	-1	21

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
6790	Big Delta D-3	T.2N.,R.12E.,sec.23	41	8	209	0.2	5	-1	-10	-10	31	2.28	247	-1	21
6792	Big Delta D-3	T.2N.,R.12E.,sec.24	43	11	341	0.3	6	-1	-10	-10	39	2.18	247	-1	22
6793	Big Delta D-3	T.2N.,R.12E.,sec.24	42	10	370	0.2	6	-1	-10	-10	41	2.19	267	-1	20
6794	Big Delta D-3	T.2N.,R.12E.,sec.13	33	10	284	0.1	4	-1	-10	-10	33	2.14	258	-1	20
6796	Big Delta D-3	T.2N.,R.12E.,sec.13	22	14	253	0.2	5	-1	-10	-10	27	2.00	298	1	14
6798	Circle A-3	T.2N.,R.12E.,sec.13	35	11	181	0.1	5	-1	-10	-10	28	2.24	407	-1	15
6799	Circle A-3	T.2N.,R.12E.,sec.13	24	12	183	0.1	5	-1	-10	-10	26	2.03	220	-1	15
6801	Circle A-3	T.2N.,R.12E.,sec.13	25	14	194	0.2	5	-1	-10	-10	28	2.20	245	-1	14
6803	Circle A-3	T.2N.,R.12E.,sec.12	37	12	152	0.3	5	-1	-10	-10	29	2.46	387	-1	14
6804	Circle A-3	T.2N.,R.12E.,sec.12	28	12	195	0.2	5	-1	-10	-10	28	2.13	258	-1	12
6805	Circle A-3	T.2N.,R.12E.,sec.12	25	12	177	0.2	4	-1	-10	-10	27	2.01	214	-1	11
6807	Circle A-3	T.2N.,R.12E.,sec.12	29	9	103	0.2	3	-1	-10	-10	23	2.43	136	-1	14
6809	Circle A-3	T.3N.,R.12E.,sec.26	35	10	108	0.1	3	-1	-10	13	42	3.08	513	-1	42
6811	Circle A-3	T.3N.,R.12E.,sec.29	41	12	117	0.3	4	-1	-10	11	33	3.14	489	-1	18
6813	Circle A-2	T.3N.,R.14E.,sec.5	29	15	71	0.1	6	-1	-10	12	27	3.51	473	-1	26
6814	Circle A-2	T.3N.,R.14E.,sec.5	32	15	98	0.4	5	-1	210	11	37	3.14	635	-1	26
6815	Circle A-2	T.3N.,R.14E.,sec.6	38	20	86	0.1	4	-1	-10	18	39	3.86	818	-1	26
6816	Circle A-2	T.3N.,R.14E.,sec.6	26	16	65	0.3	4	-1	-10	10	32	2.99	388	-1	22
6818	Circle A-2	T.4N.,R.14E.,sec.31	20	10	63	0.1	3	-1	-10	-10	24	2.57	394	-1	17
6820	Circle A-2	T.3N.,R.14E.,sec.6	24	11	64	0.1	1	-1	-10	10	27	2.86	502	-1	21
6822	Circle A-2	T.3N.,R.14E.,sec.6	31	17	81	0.1	4	-1	11	11	36	3.48	566	-1	33
6824	Circle A-2	T.3N.,R.14E.,sec.6	33	16	104	0.1	3	-1	-10	14	37	3.36	582	-1	25
6824	Circle A-2	T.3N.,R.14E.,sec.6	24	17	73	0.1	3	-1	-10	-10	27	3.46	481	-1	27
6825	Circle A-2	T.3N.,R.14E.,sec.6	26	12	75	0.1	3	-1	-10	10	31	2.94	533	-1	21
6827	Circle A-2	T.3N.,R.14E.,sec.7	26	12	71	-0.1	3	-1	-10	-10	31	2.97	502	-1	23
6829	Circle A-2	T.3N.,R.14E.,sec.7	26	15	75	-0.1	3	-1	-10	10	33	2.95	551	-1	23
6831	Circle A-2	T.3N.,R.14E.,sec.7	20	12	66	0.1	5	-1	12	-10	28	3.16	352	-1	31
6833	Big Delta D-2	T.2N.,R.14E.,sec.23	45	23	97	0.1	4	-1	23	16	41	4.43	599	-1	40
6834	Big Delta D-2	T.2N.,R.14E.,sec.23	25	19	77	0.1	3	-1	12	-10	36	3.83	309	-1	40
6835	Big Delta D-2	T.2N.,R.14E.,sec.14	31	13	74	0.1	3	-1	15	12	34	3.51	516	-1	32
6836	Big Delta D-2	T.2N.,R.14E.,sec.14	23	23	76	-0.1	3	-1	17	12	31	3.67	595	-1	33
6838	Big Delta D-2	T.2N.,R.14E.,sec.15	28	20	73	0.1	3	-1	21	11	28	3.54	399	-1	28
6839	Big Delta D-2	T.2N.,R.14E.,sec.15	30	22	90	0.1	3	-1	17	13	34	3.53	516	-1	29
6840	Circle A-2	T.2N.,R.14E.,sec.15	27	21	88	0.1	3	-1	19	12	31	3.53	475	-1	30
6841	Circle A-2	T.2N.,R.14E.,sec.15	28	19	103	0.2	2	-1	-10	13	33	4.03	513	-1	24
6843	Circle A-2	T.2N.,R.14E.,sec.15	26	15	94	0.1	2	-1	-10	11	29	3.50	502	-1	22
6844	Circle A-2	T.2N.,R.14E.,sec.9	21	13	84	0.1	2	-1	-10	21	84	3.26	422	-1	21
6845	Circle A-2	T.2N.,R.14E.,sec.9	29	15	107	0.1	2	-1	-10	15	37	3.84	628	-1	27
6846	Circle A-2	T.2N.,R.14E.,sec.9	24	12	86	0.2	2	-1	-10	11	30	3.13	453	-1	22
6848	Circle A-2	T.2N.,R.14E.,sec.9	23	10	93	0.1	3	-1	-10	13	30	3.73	380	-1	32
6850	Big Delta D-2	T.2N.,R.14E.,sec.29	35	23	115	0.2	3	-1	48	14	31	4.47	630	-1	26
6851	Big Delta D-2	T.2N.,R.14E.,sec.29	31	17	100	0.3	3	-1	21	14	31	4.34	633	-1	29
6853	Big Delta D-2	T.2N.,R.14E.,sec.20	41	10	103	0.2	2	-1	20	18	33	4.10	813	-1	28
6855	Big Delta D-2	T.2N.,R.14E.,sec.19	34	15	94	0.4	8	-1	-10	11	30	3.65	404	-1	27
6857	Big Delta D-2	T.2N.,R.13E.,sec.24	35	11	86	0.2	3	-1	20	12	34	3.49	356	-1	31
6858	Big Delta D-2	T.2N.,R.15E.,sec.31	62	10	102	0.2	2	-1	16	29	92	5.66	692	-1	98
6859	Big Delta D-2	T.2N.,R.15E.,sec.31	58	19	111	0.1	2	-1	15	25	63	5.69	652	-1	51
6861	Big Delta D-2	T.2N.,R.15E.,sec.30	37	15	89	0.1	3	-1	14	24	54	4.68	763	-1	42
6862	Big Delta D-2	T.2N.,R.14E.,sec.25	39	11	98	0.1	3	-1	21	23	71	4.80	753	-1	65
6863	Circle A-3	T.3N.,R.13E.,sec.36	13	7	54	0.1	1	-	-10	10	41	2.78	193	-1	37
6865	Circle A-3	T.3N.,R.13E.,sec.36	19	10	83	-0.1	1	-	-10	15	52	2.86	375	-1	45
6866	Circle A-3	T.3N.,R.13E.,sec.36	20	9	73	-0.1	1	-	-10	16	54	2.87	255	-1	56
6867	Circle A-3	T.3N.,R.13E.,sec.26	25	11	75	-0.1	-1	-	-10	19	73	3.53	359	-1	84

Table 1 (con.)

Sample	Quadrangle	Location	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Fe%	Mn	Cd	Cr
6869	Circle A-3	T.3N.,R.13E.,sec.26	22	12	75	0.2	1	-	-10	14	61	2.63	153	-1	57
6870	Circle A-2	T.3N.,R.14E.,sec.14	18	14	54	0.1	1	-	-10	-10	37	2.54	356	-1	33
6871	Circle A-2	T.3N.,R.14E.,sec.14	24	13	77	0.1	1	-	49	13	44	3.23	406	-1	53
6874	Circle A-2	T.3N.,R.14E.,sec.14	23	12	76	-0.1	1	-	26	12	43	2.99	313	-1	48
6876	Circle A-2	T.3N.,R.16E.,sec.31	7	7	41	0.1	1	-	-10	-10	26	1.57	167	-1	30
6878	Big Delta D-2	T.2N.,R.14E.,sec.25	35	18	79	0.1	2	-	-10	15	54	3.56	368	-1	43
6879	Big Delta D-2	T.2N.,R.14E.,sec.35	56	21	87	0.1	1	-	-10	27	87	5.36	884	-1	69
6881	Big Delta D-2	T.2N.,R.14E.,sec.27	36	16	87	0.2	2	-	-10	17	52	3.53	595	-1	49
6884	Big Delta D-3	T.1N.,R.13E.,sec.35	16	15	75	0.2	4	-	42	-10	32	2.91	418	-1	36
6885	Big Delta D-3	T.1S.,R.13E.,sec.1	16	16	67	-0.1	2	-	-10	-10	29	2.75	449	-1	28
6886	Big Delta D-3	T.1S.,R.13E.,sec.1	14	12	52	0.1	3	-	125	-10	26	2.35	402	-1	26
6887	Big Delta D-3	T.2N.,R.12E.,sec.26	29	5	194	0.2	3	-1	-10	-10	25	1.57	123	-1	10
6888	Big Delta D-3	T.1S.,R.13E.,sec.1	16	18	47	0.2	3	-	127	-10	27	2.65	350	-1	27
6889	Big Delta D-3	T.1S.,R.13E.,sec.1	16	11	49	0.1	3	-	132	7	26	2.55	319	-1	23
6890	Big Delta D-3	T.1S.,R.13E.,sec.2	18	15	51	0.2	3	-	125	-10	27	2.60	230	-1	26
6892	Big Delta D-3	T.1S.,R.13E.,sec.11	22	17	71	0.1	3	-	194	-10	29	2.77	381	-1	33
6894	Big Delta D-3	T.1N.,R.12E.,sec.5	43	16	471	0.5	6	-	34	-10	62	2.22	274	2	24
6895	Big Delta D-3	T.1N.,R.12E.,sec.5	50	8	520	0.6	7	-	32	-10	65	2.07	260	3	23
6897	Big Delta D-3	T.1N.,R.12E.,sec.5	37	15	544	0.5	5	-	-10	10	83	2.18	236	2	28
6898	Big Delta D-3	T.1N.,R.12E.,sec.5	54	14	553	0.7	7	-	10	12	75	2.46	662	4	28
6900	Big Delta D-3	T.1N.,R.12E.,sec.8	47	16	449	0.6	6	-	15	10	65	2.47	368	2	26
6901	Big Delta D-3	T.1N.,R.12E.,sec.7	38	15	388	0.5	5	-	-10	-10	59	2.10	252	1	29
6903	Big Delta D-3	T.1N.,R.12E.,sec.7	39	15	412	0.5	6	-	16	-10	61	2.17	355	1	26
6905	Big Delta D-3	T.1N.,R.12E.,sec.6	48	21	426	0.6	5	-	-10	10	66	2.16	392	2	27
6907	Big Delta D-3	T.1N.,R.12E.,sec.7	39	13	294	0.4	6	-	-10	-10	61	2.23	231	-1	29
6908	Big Delta D-3	T.1N.,R.12E.,sec.7	41	12	421	0.4	5	-	-10	-10	63	2.22	381	1	23
6909	Big Delta D-3	T.1N.,R.12E.,sec.7	45	20	435	0.4	7	-	-10	11	68	2.32	448	1	27
6911	Big Delta D-3	T.1N.,R.11E.,sec.12	61	17	361	1.1	13	-	51	-10	68	3.37	316	-1	28
6912	Big Delta D-3	T.1N.,R.11E.,sec.12	47	20	499	0.6	7	-	12	10	72	2.38	401	1	22
6914	Big Delta D-3	T.1N.,R.11E.,sec.12	37	17	396	0.4	7	-	-10	-10	64	2.03	286	-1	24
6915	Big Delta D-3	T.1N.,R.12E.,sec.30	22	20	84	0.2	2	-	-10	12	42	3.16	455	-1	32
6917	Big Delta D-3	T.1N.,R.12E.,sec.30	32	27	52	0.2	3	-	-10	44	45	3.00	1450	-1	36
6918	Big Delta D-3	T.1N.,R.11E.,sec.25	25	18	69	0.2	2	-	-10	15	57	3.10	423	-1	50
6919	Big Delta D-3	T.1N.,R.11E.,sec.25	33	13	78	0.2	3	-	-10	15	58	3.17	481	-1	51
6920	Big Delta D-3	T.1N.,R.11E.,sec.25	29	18	73	0.1	2	-	-10	15	79	2.96	382	-1	71
6922	Big Delta D-3	T.1N.,R.11E.,sec.25	54	26	879	0.4	2	-	18	11	69	3.05	333	2	44
6924	Big Delta D-3	T.1N.,R.11E.,sec.25	33	19	304	0.2	2	-	-10	15	81	3.11	277	-1	67
6925	Big Delta D-3	T.1N.,R.11E.,sec.26	34	21	172	0.3	2	-	-10	15	79	3.15	307	-1	69
6929	Big Delta D-2	T.1S.,R.14E.,sec.9	109	65	284	0.8	7	-	565	21	78	4.89	952	-1	50
6931	Big Delta D-2	T.1S.,R.14E.,sec.4	78	34	362	0.6	5	-	164	17	69	4.19	548	-1	45
6933	Big Delta D-2	T.1S.,R.14E.,sec.4	51	25	461	0.7	10	-	19	13	66	3.47	399	2	38
6935	Big Delta D-2	T.1S.,R.14E.,sec.4	66	20	248	0.6	7	-	-10	12	62	3.66	324	-1	46
6937	Big Delta D-2	T.1N.,R.14E.,sec.29	30	8	98	0.1	4	-	25	11	43	3.06	224	-1	42
6939	Big Delta D-2	T.1N.,R.14E.,sec.19	22	16	111	-0.1	5	-	27	-10	33	3.52	471	-1	29
6941	Big Delta D-3	T.1N.,R.13E.,sec.27	12	14	72	-0.1	3	-	109	-10	28	3.58	572	-1	29
6942	Big Delta D-2	T.1S.,R.14E.,sec.8	71	64	195	0.8	3	-	1220	17	56	3.95	629	-1	49
6944	Big Delta D-2	T.1S.,R.14E.,sec.17	65	57	137	0.7	2	-	1036	20	57	4.36	708	-1	44
6945	Big Delta D-2	T.1S.,R.14E.,sec.17	45	17	75	0.3	2	-	146	24	54	4.82	801	-1	44
6946	Big Delta D-2	T.1S.,R.14E.,sec.17	58	43	126	0.5	3	-	716	18	56	4.14	497	-1	50
6947	Big Delta D-2	T.1S.,R.14E.,sec.17	47	29	108	0.3	3	-	500	18	53	3.88	463	-1	46
6948	Big Delta D-2	T.1S.,R.14E.,sec.18	41	22	100	0.2	2	-	463	16	50	3.69	576	-1	48
6950	Big Delta D-3	T.1S.,R.14E.,sec.19	37	19	94	0.2	1	-	311	15	48	3.43	373	-1	49

Table 2. Pan-concentrate-sample analyses, upper Chena River area, Alaska. Analyses in ppm unless otherwise noted. '-' indicates 'less than,' '+' indicates 'greater than,' dash indicates sample not analysed for that element, 'B' indicates Big Delta Quadrangle, 'C' indicates Circle Quadrangle.

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
2928	C A-3	T.2N.,R.13E.,sec.05	-	7	-	-0.1	-0.1	2	-1	1	1	-10	-	-	-	-	-	-
3846	B D-3	T.2N.,R.13E.,sec.23	-	4	-	-0.1	-0.1	2	-1	1	12	-10	-	-	-	-	-	-
3847	B D-3	T.2N.,R.13E.,sec.23	-	5	-	-0.1	-0.1	1	-1	1	11	-10	-	-	-	-	-	-
3849	B D-3	T.2N.,R.13E.,sec.14	-	5	-	-0.1	-0.1	1	-1	1	12	-10	-	-	-	-	-	-
3852	B D-3	T.2N.,R.13E.,sec.22	-	5	-	-0.1	-0.1	1	-1	1	14	-10	-	-	-	-	-	-
3856	B D-3	T.2N.,R.13E.,sec.28	-	6	-	-0.1	-0.1	2	-1	1	1	-10	-	-	-	-	-	-
3860	B D-3	T.1N.,R.12E.,sec.10	-	13	-	-0.1	0.1	12	-1	1	1	246	-	-	-	-	-	-
3864	B D-3	T.1N.,R.12E.,sec.02	-	11	-	-0.1	0.1	14	-1	2	1	375	-	-	-	-	-	-
3867	B D-3	T.1N.,R.12E.,sec.11	-	19	-	-0.1	0.4	27	-1	1	7	-	-	-	-	-	-	-
3871	B D-3	T.1N.,R.12E.,sec.02	-	8	-	-0.1	-0.1	9	-1	1	3	311	-	-	-	-	-	-
3878	C A-2	T.3N.,R.14E.,sec.25	-	5	-	-0.1	-0.1	2	-1	1	12	-10	-	-	-	-	-	-
3882	C A-2	T.3N.,R.14E.,sec.23	-	6	-	-0.1	-0.1	2	-1	1	45	-10	-	-	-	-	-	-
3885	C A-2	T.3N.,R.15E.,sec.17	-	5	-	-0.1	-0.1	2	-1	1	9	17	-	-	-	-	-	-
3888	C A-2	T.3N.,R.15E.,sec.17	-	5	-	-0.1	-0.1	2	-1	1	16	-10	-	-	-	-	-	-
3892	C A-2	T.3N.,R.15E.,sec.17	-	5	-	-0.1	-0.1	1	-1	1	6	-10	-	-	-	-	-	-
3897	C A-2	T.3N.,R.15E.,sec.19	-	6	-	-0.1	-0.1	2	-1	1	9	-10	-	-	-	-	-	-
3902	C A-2	T.3N.,R.14E.,sec.24	-	5	-	-0.1	-0.1	1	3	2	7	-10	-	-	-	-	-	-
3907	B D-3	T.2N.,R.13E.,sec.17	-	9	-	-0.1	-0.1	2	-1	1	1	-10	-	-	-	-	-	-
3907	C A-3	T.2N.,R.13E.,sec.08	-	6	-	-0.1	0.1	3	-1	2	45	-10	-	-	-	-	-	-
3912	C A-3	T.2N.,R.13E.,sec.07	8	13	62	-0.1	-0.1	-1	-1	2	1	-10	-10	15	2.24	280	-1	63
3919	C A-3	T.2N.,R.13E.,sec.05	-	9	-	-0.1	-0.1	1	-1	1	1	-10	-	-	-	-	-	-
3921	C A-3	T.1N.,R.13E.,sec.05	-	8	-	-0.1	-0.1	5	-1	1	1	-10	-	-	-	-	-	-
3924	C A-3	T.2N.,R.13E.,sec.05	-	7	-	-0.1	-0.1	2	-1	1	9	-10	-	-	-	-	-	-
3931	C A-2	T.3N.,R.15E.,sec.22	-	6	-	-0.1	-0.1	2	-1	2	22	-10	-	-	-	-	-	-
3933	C A-2	T.3N.,R.15E.,sec.27	-	7	-	-0.1	0.1	1	-1	1	8	-10	-	-	-	-	-	-
3939	C A-2	T.3N.,R.15E.,sec.22	-	7	-	-0.1	-0.1	1	-1	2	19	-10	-	-	-	-	-	-
3943	C A-2	T.3N.,R.15E.,sec.26	-	6	-	-0.1	-0.1	1	-1	10	125	-10	-	-	-	-	-	-
3950	B D-2	T.2N.,R.15E.,sec.21	-	6	-	-0.1	-0.1	2	-1	1	3	-10	-	-	-	-	-	-
3953	B D-2	T.2N.,R.15E.,sec.20	-	7	-	-0.1	-0.1	1	-1	1	1	-10	-	-	-	-	-	-
3958	C A-2	T.2N.,R.15E.,sec.17	-	9	-	-0.1	-0.1	1	-1	2	1	-10	-	-	-	-	-	-
3960	C A-2	T.2N.,R.15E.,sec.16	-	7	-	-0.1	0.1	1	-1	1	10	-10	-	-	-	-	-	-
3962	C A-2	T.2N.,R.15E.,sec.15	-	7	-	-0.1	-0.1	1	-1	1	16	-10	-	-	-	-	-	-
3964	B D-3	T.2N.,R.12E.,sec.33	-	17	-	-0.1	0.3	5	-1	1	1	22	-	-	-	-	-	-
3967	B D-3	T.2N.,R.12E.,sec.28	-	13	-	-0.1	0.2	7	-1	1	1	18	-	-	-	-	-	-
3969	B D-3	T.2N.,R.12E.,sec.28	-	17	-	-0.1	0.2	8	-1	1	1	17	-	-	-	-	-	-
3976	B D-3	T.2N.,R.12E.,sec.27	-	10	-	-0.1	0.3	7	-1	1	1	17	-	-	-	-	-	-

Table 2 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
3978	B D-3	T.2N.,R.12E.,sec.28	-	15	-	-0.1	0.2	6	-1	2	3	12	-	-	-	-	-	-
3981	B D-3	T.2N.,R.12E.,sec.28	-	12	-	-0.1	0.2	6	-1	1	1	11	-	-	-	-	-	-
3981	B D-3	T.2N.,R.12E.,sec.28	-	12	-	-0.1	0.2	6	-1	1	1	11	-	-	-	-	-	-
3983	B D-3	T.2N.,R.12E.,sec.28	-	11	-	-0.1	0.2	5	-1	1	1	-10	-	-	-	-	-	-
3986	B D-3	T.2N.,R.12E.,sec.21	-	10	-	-0.1	0.1	4	-1	1	1	-10	-	-	-	-	-	-
3989	B D-3	T.2N.,R.12E.,sec.28	-	17	-	-0.1	0.2	7	-1	1	1	-10	-	-	-	-	-	-
3992	B D-3	T.2N.,R.12E.,sec.21	-	18	-	-0.1	0.3	9	-1	1	1	-10	-	-	-	-	-	-
3995	B D-3	T.2N.,R.12E.,sec.21	-	8	-	-0.1	0.3	5	-1	1	1	11	-	-	-	-	-	-
4000	B D-3	T.2N.,R.12E.,sec.17	-	8	-	-0.1	0.1	6	-1	1	3	21	-	-	-	-	-	-
4002	B D-3	T.2N.,R.12E.,sec.17	-	9	-	-0.1	-0.1	3	-1	1	1	-10	-	-	-	-	-	-
4007	C A-3	T.2N.,R.12E.,sec.17	-	11	-	-0.1	-0.1	2	-1	1	1	16	-	-	-	-	-	-
4009	C A-3	T.2N.,R.12E.,sec.17	-	9	-	-0.1	-0.1	4	-1	1	1	14	-	-	-	-	-	-
4904	B D-3	T.1N.,R.11E.,sec.11	48	30	557	-0.1	0.3	13	-1	1	1	50	11	65	3.10	449	-1	55
4921	B D-3	T.1S.,R.14E.,sec.06	-	7	-	-0.1	-0.1	3	-1	1	4	75	-	-	-	-	-	-
4930	B D-2	T.1S.,R.14E.,sec.12	-	7	-	-0.1	-0.1	10	-1	1	1	-10	-	-	-	-	-	-
4935	B D-2	T.1S.,R.15E.,sec.06	-	11	-	-0.1	0.1	3	-1	1	1	36	-	-	-	-	-	-
4953	B D-3	T.2N.,R.13E.,sec.31	22	9	212	-0.1	0.2	4	-1	2	1	87	-10	38	1.85	486	1	123
4955	B D-3	T.1N.,R.13E.,sec.05	27	8	223	-0.1	0.2	5	-1	2	32	94	-10	41	2.24	5.29	1	87
4957	B D-3	T.1N.,R.13E.,sec.05	25	9	197	-0.1	0.2	4	-1	1	7	79	-10	40	2.74	880	-1	111
4959	C A-2	T.3N.,R.15E.,sec.20	11	7	37	-0.1	0.1	-1	-1	2	1	-10	-10	15	1.34	217	-1	99
4961	C A-2	T.3N.,R.15E.,sec.20	10	11	33	-0.1	-0.1	-1	-1	15	3	-10	-10	14	1.19	218	-1	86
4964	C A-2	T.3N.,R.15E.,sec.19	9	6	37	-0.1	-0.1	-1	-1	2	1	-10	-10	17	1.28	254	-1	93
4966	C A-2	T.3N.,R.15E.,sec.29	18	10	45	-0.1	0.2	-1	-1	1	1	162	16	24	2.15	336	-1	72
4971	C A-2	T.3N.,R.15E.,sec.19	14	7	32	-0.1	-0.1	-1	-1	1	2	-10	-10	14	1.35	183	-1	89
4973	C A-3	T.3N.,R.13E.,sec.11	33	7	45	-0.1	-0.1	-1	-1	1	1	-10	-10	22	3.35	489	-1	65
4976	C A-3	T.3N.,R.13E.,sec.12	14	5	45	-0.1	0.1	-1	-1	2	1	-10	-10	19	1.93	263	-1	72
4980	C A-2	T.3N.,R.13E.,sec.12	14	4	38	-0.1	0.3	-1	-1	1	8	-10	-10	20	2.02	347	-1	110
4986	C A-2	T.2N.,R.15E.,sec.06	18	18	67	-0.1	0.3	-1	-1	1	1	-10	-10	27	2.58	359	-1	104
4992	C A-2	T.2N.,R.14E.,sec.01	47	17	238	-0.1	-0.1	-1	-1	2	1	-10	90	131	3.44	2580	-1	108
4998	C A-2	T.2N.,R.14E.,sec.12	17	15	62	-0.1	0.1	-1	-1	1	1	-10	11	24	2.65	397	-1	100
5003	C A-2	T.2N.,R.14E.,sec.01	13	11	55	-0.1	0.1	-1	-1	5	5	-10	-10	21	2.21	290	-1	95
5007	B D-3	T.2N.,R.11E.,sec.25	26	13	190	-0.1	-0.1	2	-1	2	1	12	14	38	3.26	428	-1	38
5011	B D-3	T.2N.,R.11E.,sec.25	52	15	444	-0.1	-0.1	5	-1	1	1	-10	14	60	2.84	527	-1	64
5018	B D-3	T.2N.,R.11E.,sec.23	37	13	254	-0.1	-0.1	4	-1	1	1	-10	16	46	3.12	668	-1	51
5024	C A-3	T.3N.,R.11E.,sec.24	25	6	62	-0.1	-0.1	-1	-1	1	3	-10	14	44	3.72	527	-1	112
5030	C A-3	T.3N.,R.11E.,sec.25	20	8	93	-0.1	-0.1	-1	-1	2	1	-10	14	28	3.19	414	-1	57
5032	C A-3	T.3N.,R.11E.,sec.25	11	6	51	-0.1	0.1	-1	-1	1	1	-10	-10	21	2.48	287	-1	90
5037	B D-2	T.2N.,R.14E.,sec.22	33	14	59	-0.1	-0.1	-1	-1	2	1	-10	14	40	3.02	516	-1	106
5040	B D-2	T.2N.,R.14E.,sec.21	25	9	75	-0.1	0.1	-1	-1	-	-	10	-10	31	2.89	467	-1	106
5042	B D-2	T.1N.,R.14E.,sec.21	25	15	68	-0.1	0.2	-1	-1	2	6	-10	11	28	3.82	469	-1	76

Table 2 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
5045	B D-2	T.1N.,R.14E.,sec.16	28	14	76	-0.1	0.1	-1	-1	2	12	17	15	38	3.55	550	-1	124
5051	B D-2	T.1N.,R.14E.,sec.17	24	10	58	-0.1	-0.1	1	-1	2	3	-10	10	20	2.86	302	-1	95
5060	B D-2	T.1N.,R.14E.,sec.05	27	16	87	-0.1	0.1	-1	-1	1	1	40	13	29	3.54	719	-1	46
5062	B D-2	T.1N.,R.14E.,sec.08	12	5	45	-0.1	-0.1	-1	-1	2	1	-10	-10	20	2.31	451	-1	98
5069	B D-2	T.1N.,R.14E.,sec.31	15	9	57	-0.1	-0.1	-1	-1	1	1	11	-10	18	2.18	387	-1	84
5072	B D-2	T.1N.,R.14E.,sec.06	18	10	62	-0.1	-0.1	-1	-1	1	1	-10	-10	22	2.95	358	-1	77
5078	B D-3	T.1N.,R.13E.,sec.03	22	16	78	-0.1	-0.1	-1	-1	2	1	26	-10	25	3.37	408	-1	33
5083	B D-3	T.1N.,R.13E.,sec.04	18	12	65	-0.1	-0.1	-1	-1	1	1	57	13	33	3.13	493	-1	68
5092	B D-3	T.2N.,R.13E.,sec.25	20	12	73	-0.1	-0.1	-1	-1	1	1	-10	11	23	3.37	457	-1	71
5095	B D-3	T.2N.,R.13E.,sec.25	23	15	69	-0.1	0.1	-1	-1	1	1	-10	12	28	3.86	442	-1	61
5100	C A-2	T.2N.,R.15E.,sec.14	25	6	53	-0.1	-0.1	1	-1	1	1	-10	10	36	3.00	321	-1	89
5108	B D-2	T.2N.,R.15E.,sec.13	16	5	46	-0.1	-0.1	2	-1	2	6	-10	-10	22	2.39	312	-1	98
5113	B D-2	T.2N.,R.15E.,sec.13	14	6	44	-0.1	-0.1	1	-1	2	1	-10	-10	24	2.22	277	-1	87
5118	B D-2	T.2N.,R.16E.,sec.19	17	6	47	-0.1	-0.1	2	-1	1	2	-10	-10	23	2.54	343	-1	98
5125	B D-2	T.1N.,R.14E.,sec.17	30	17	76	-0.1	-0.1	2	-1	1	2	213	12	34	3.98	508	-1	81
5128	B D-2	T.1N.,R.14E.,sec.14	28	13	69	-0.1	-0.1	2	-1	1	3	-10	13	30	4.23	478	-1	65
5133	B D-2	T.1N.,R.14E.,sec.10	20	9	52	-0.1	-0.1	1	-1	1	1	-10	-10	27	2.97	352	-1	86
5138	B D-2	T.1N.,R.14E.,sec.10	23	11	64	-0.1	-0.1	1	-1	1	1	-10	10	28	3.34	454	-1	70
5141	C A-2	T.2N.,R.15E.,sec.10	3	2	18	-0.1	0.1	1	-1	1	1	-10	-10	-10	0.91	70	-1	75
5143	C A-2	T.2N.,R.15E.,sec.10	3	2	15	-0.1	-0.1	1	1	2	1	-10	-10	-10	0.66	66	-1	75
5147	C A-2	T.2N.,R.15E.,sec.02	3	5	27	-0.1	-0.1	1	-1	1	1	-10	-10	-10	1.45	159	-1	47
5153	C A-2	T.2N.,R.15E.,sec.11	4	2	24	-0.1	-0.1	1	-1	2	1	-10	-10	11	1.29	117	-1	93
5155	C A-2	T.2N.,R.15E.,sec.11	2	6	35	-0.1	-0.1	1	-1	2	1	-10	-10	-10	1.52	323	-1	64
5158	C A-2	T.2N.,R.15E.,sec.11	3	5	29	-0.1	-0.1	-1	-1	2	1	-10	-10	-10	1.18	245	-1	104
5166	C A-2	T.2N.,R.16E.,sec.07	4	3	24	-0.1	-0.1	-1	-1	2	1	-10	-10	11	1.28	120	-1	83
5167	B D-3	T.1N.,R.13E.,sec.22	4	4	31	-0.1	-0.1	1	-1	1	1	36	-10	-10	1.57	432	-1	55
5172	B D-3	T.1N.,R.13E.,sec.22	-	7	-	-0.1	-0.1	1	-1	2	9	241	-	-	-	-	-	-
5177	B D-3	T.1N.,R.13E.,sec.16	11	6	33	-0.1	-0.1	-1	-1	2	1	137	-10	18	2.20	427	-1	76
5183	B D-3	T.1N.,R.13E.,sec.21	4	4	35	0.3	-0.1	-1	-1	1	4	20	-10	-10	1.20	506	-1	53
5188	B D-3	T.1N.,R.13E.,sec.21	4	3	31	-0.1	-0.1	1	-1	1	1	85	-10	-10	1.03	335	-1	75
5193	B D-3	T.1N.,R.13E.,sec.20	10	6	39	-0.1	-0.1	1	-1	1	11	163	-10	18	1.82	522	-1	175
5197	B D-3	T.1N.,R.12E.,sec.10	63	10	879	-0.1	0.3	10	-1	1	1	281	11	89	2.76	484	4	108
5201	B D-3	T.1N.,R.12E.,sec.15	71	17	782	-0.1	0.3	11	-1	1	1	197	12	86	3.30	594	3	93
5206	B D-3	T.1N.,R.13E.,sec.18	42	22	542	-0.1	0.1	9	-1	2	1	15	16	56	3.59	630	-1	74
5208	B D-3	T.1N.,R.11E.,sec.23	139	128	1530	-0.1	0.6	8	-1	1	1	72	26	66	5.26	1230	2	134
5215	B D-3	T.1N.,R.11E.,sec.14	62	28	736	-0.1	0.2	14	-1	1	1	49	13	83	3.70	378	-1	79
5218	C A-3	T.3N.,R.13E.,sec.16	10	9	51	-0.1	0.1	-1	-1	2	15	-10	-10	-10	1.45	352	-1	81
5221	C A-3	T.3N.,R.13E.,sec.17	16	10	57	-0.1	0.1	-1	-1	3	7	-10	-10	15	2.12	460	-1	75
5225	C A-3	T.3N.,R.13E.,sec.20	26	7	46	-0.1	-0.1	-1	-1	2	5	-10	-10	10	1.53	333	-1	79
5230	C A-3	T.3N.,R.13E.,sec.20	9	9	48	-0.1	-0.1	-1	-1	5	125	-10	-10	13	1.72	303	-1	99

Table 2 (con't.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
5235	C A-3	T.3N.,R.13E.,sec.30	8	7	42	-0.1	-0.1	-1	-1	2	45	-10	-10	13	1.83	327	-1	97
5241	C A-2	T.3N.,R.15E.,sec.15	13	5	46	-0.1	-0.1	-1	-1	1	9	-10	-10	19	2.23	316	-1	116
5244	C A-2	T.3N.,R.15E.,sec.14	27	11	90	-0.1	0.1	-1	-1	2	1	-10	15	33	4.63	500	-1	82
5249	C A-2	T.3N.,R.15E.,sec.15	15	5	40	-0.1	-0.1	-1	-1	2	1	-10	-10	17	1.89	280	-1	136
5534	B D-3	T.1N.,R.11E.,sec.23	92	140	613	-0.1	0.5	14	-1	2	3	81	10	56	5.43	485	-1	62
5538	B D-3	T.1N.,R.11E.,sec.26	35	8	188	-0.1	-0.1	1	-1	1	1	67	20	58	5.72	604	-1	53
5608	B D-3	T.1N.,R.12E.,sec.03	28	10	441	-0.1	0.2	6	-1	1	1	10	-10	58	2.46	402	1	72
5613	B D-3	T.1N.,R.12E.,sec.02	39	8	471	-0.1	0.2	9	-1	1	1	272	-10	62	2.41	492	2	69
5616	B D-3	T.2N.,R.12E.,sec.35	20	9	149	-0.1	0.2	6	-1	2	1	23	-10	24	1.70	455	-1	89
5621	B D-3	T.1N.,R.13E.,sec.06	-	10	-	-0.1	0.3	6	-1	1	350	94	-	-	-	-	-	-
5629	C A-2	T.3N.,R.15E.,sec.30	11	8	41	-0.1	-0.1	3	-1	2	4	22	-10	21	1.62	248	-1	67
5641	C A-2	T.2N.,R.14E.,sec.03	13	10	68	-0.1	-0.1	5	-1	1	3	13	13	31	2.34	489	-1	131
5647	C A-3	T.2N.,R.12E.,sec.03	23	9	131	-0.1	0.2	3	-1	1	1	-10	-10	23	2.48	418	-1	40
5652	C A-3	T.3N.,R.12E.,sec.34	20	7	105	-0.1	0.1	3	-1	1	1	-10	-10	21	2.17	233	-1	82
5657	C A-3	T.3N.,R.12E.,sec.35	21	7	117	-0.1	0.1	4	-1	1	1	-10	-10	23	2.41	231	-1	96
5667	C A-2	T.3N.,R.15E.,sec.25	9	5	43	-0.1	0.1	2	-1	1	1	-10	-10	14	1.48	291	-1	166
5676	C A-2	T.3N.,R.15E.,sec.33	8	11	32	-0.1	-0.1	3	-1	2	1	-10	-10	14	1.63	321	-1	223
5683	B D-2	T.2N.,R.14E.,sec.34	14	2	33	-0.1	-0.1	2	-1	1	3	-10	-10	21	1.79	317	-1	82
5684	C A-2	T.3N.,R.15E.,sec.33	11	7	39	-0.1	-0.1	2	-1	1	4	-10	-10	15	1.67	294	-1	105
5691	B D-3	T.2N.,R.13E.,sec.30	42	20	510	-0.1	0.5	9	-1	1	3	21	16	71	2.99	613	1	66
5694	B D-3	T.2N.,R.12E.,sec.20	25	15	288	-0.1	0.1	6	-1	2	2	13	-10	42	2.32	272	-1	107
5697	B D-3	T.2N.,R.12E.,sec.19	37	16	402	-0.1	0.2	9	81	1	1	-10	13	57	2.83	642	1	152
5702	B D-3	T.2N.,R.12E.,sec.19	32	13	293	-0.1	-0.1	7	-1	2	1	18	13	47	3.08	560	-1	110
5709	C A-3	T.3N.,R.11E.,sec.35	20	9	82	-0.1	0.1	2	-1	2	1	-10	14	36	3.32	452	-1	105
5713	C A-3	T.3N.,R.11E.,sec.34	20	10	90	-0.1	-0.1	3	-1	2	1	-10	14	31	3.59	452	-1	102
5716	C A-3	T.3N.,R.11E.,sec.34	17	8	83	-0.1	-0.1	3	-1	1	1	-10	12	28	3.03	410	-1	78
5723	B D-2	T.2N.,R.14E.,sec.15	13	13	64	-0.1	-0.1	2	-1	2	21	-10	-10	19	2.30	432	-1	121
5730	C A-2	T.2N.,R.14E.,sec.16	13	8	52	-0.1	0.1	3	-1	5	16	-10	-10	18	2.16	396	-1	157
5735	B D-3	T.1N.,R.12E.,sec.01	22	10	134	-0.1	0.2	4	-1	2	8	54	-10	27	1.99	406	1	141
5740	B D-3	T.1N.,R.13E.,sec.06	23	12	87	-0.1	0.1	4	-1	2	1	12	19	44	3.65	1130	-1	152
5746	B D-3	T.2N.,R.13E.,sec.25	19	13	72	-0.1	-0.1	4	-1	1	20	-10	13	28	3.11	689	-1	97
5756	B D-3	T.2N.,R.13E.,sec.27	19	13	69	-0.1	-0.1	2	-1	1	1	90	13	27	3.24	531	-1	64
5760	B D-2	T.1N.,R.14E.,sec.22	19	4	48	-0.1	-0.1	2	-1	1	6	-10	-10	29	3.32	636	-1	92
5762	B D-2	T.1N.,R.14E.,sec.21	19	4	43	-0.1	-0.1	2	-1	1	8	-10	12	32	3.83	868	-1	99
5768	B D-2	T.1N.,R.14E.,sec.16	19	4	48	-0.1	-0.1	2	-1	1	1	-10	-10	28	2.62	416	-1	68
5771	B D-2	T.1N.,R.14E.,sec.16	20	5	50	-0.1	-0.1	2	-1	1	1	-10	10	29	2.67	356	-1	64
5776	B D-2	T.1N.,R.14E.,sec.08	17	3	38	-0.1	-0.1	2	-1	2	4	-10	-10	24	2.73	469	-1	59
5789	B D-2	T.1N.,R.14E.,sec.03	23	3	37	-0.1	-0.1	2	-1	1	3	-10	-10	30	2.36	296	-1	74
5800	B D-2	T.2N.,R.15E.,sec.21	20	5	39	-0.1	-0.1	2	-1	1	1	-10	-10	28	2.47	278	-1	64
5802	B D-2	T.2N.,R.15E.,sec.22	25	4	45	-0.1	0.1	2	-1	1	2	-10	-10	24	2.78	220	-1	99

Table 2 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
5804	B D-2	T.2N.,R.15E.,sec.27	17	4	38	-0.1	-0.1	2	-1	2	1	-10	-10	26	2.30	253	-1	67
5808	B D-2	T.2N.,R.15E.,sec.26	22	5	46	-0.1	-0.1	2	-1	1	12	-10	10	27	3.10	301	-1	88
5813	B D-3	T.1N.,R.13E.,sec.23	3	4	29	-0.1	-0.1	2	-1	1	1	-10	-10	-10	1.50	267	-1	100
5815	B D-3	T.1N.,R.13E.,sec.23	4	5	33	-0.1	-0.1	2	-1	2	1	-10	-10	-10	1.54	315	-1	71
5820	B D-3	T.1N.,R.13E.,sec.14	4	4	33	-0.1	-0.1	2	-1	1	1	54	-10	10	1.49	371	-1	70
5829	B D-3	T.1N.,R.13E.,sec.31	36	11	323	-0.1	0.2	8	-1	1	1	-10	10	45	2.34	395	-1	67
5835	B D-3	T.1N.,R.13E.,sec.10	23	8	55	-0.1	0.1	3	-1	1	17	115	13	28	5.25	751	-1	186
5840	B D-3	T.1N.,R.12E.,sec.20	33	9	229	-0.1	-0.1	5	-1	2	1	-10	27	63	6.81	1190	-1	77
5842	B D-3	T.1N.,R.12E.,sec.20	29	13	270	-0.1	0.2	6	-1	1	1	27	23	56	5.83	1080	-1	64
5845	B D-3	T.1N.,R.12E.,sec.17	37	101	1340	-0.1	0.5	9	-1	1	1	47	24	106	5.31	1310	5	84
5847	B D-3	T.1N.,R.12E.,sec.17	30	28	570	-0.1	0.1	8	-1	1	1	28	21	79	5.91	1040	-1	49
5855	B D-3	T.1N.,R.11E.,sec.01	39	13	363	-0.1	-0.1	9	-1	2	1	25	11	54	2.57	237	-1	91
5858	B D-3	T.1N.,R.11E.,sec.01	20	13	236	-0.1	-0.1	6	-1	2	1	-10	-10	42	2.46	191	-1	135
5869	B D-3	T.1N.,R.11E.,sec.22	43	8	61	-0.1	-0.1	2	-1	1	1	73	20	42	6.12	590	-1	36
5872	B D-3	T.1N.,R.11E.,sec.27	37	8	93	-0.1	-0.1	2	-1	2	1	76	26	58	5.94	844	-1	55
5876	B D-3	T.1N.,R.11E.,sec.26	39	9	72	-0.1	-0.1	2	-1	2	1	54	21	58	6.36	676	-1	73
5877	B D-3	T.1N.,R.11E.,sec.26	82	66	1250	-0.1	0.3	8	-1	1	1	118	14	98	5.07	462	6	81
5882	B D-2	T.1N.,R.14E.,sec.31	26	9	85	-0.1	-0.1	3	-1	2	1	42	-10	34	2.84	311	-1	64
5884	B D-2	T.1N.,R.14E.,sec.05	12	7	70	-0.1	-0.1	3	-1	2	2	-10	-10	19	1.81	385	-1	112
5891	B D-2	T.1N.,R.12E.,sec.31	21	11	69	-0.1	-0.1	1	-1	1	1	-10	18	39	4.45	1030	-1	51
5896	B D-2	T.1S.,R.12E.,sec.06	14	9	47	-0.1	-0.1	2	-1	1	1	21	-10	25	3.34	515	-1	38
5898	B D-2	T.1N.,R.11E.,sec.36	17	18	52	-0.1	-0.1	2	5	1	1	25	11	32	3.61	584	-1	46
6325	B D-3	T.2N.,R.13E.,sec.32	14	11	68	-0.1	-0.1	2	-1	2	1	-10	10	25	2.30	458	-1	87
6329	B D-3	T.2N.,R.13E.,sec.32	11	8	52	-0.1	-0.1	3	-1	1	2	-10	-10	22	2.28	476	-1	66
6335	C A-2	T.2N.,R.13E.,sec.12	14	9	56	-0.1	-0.1	3	-1	1	1	-10	10	32	2.69	504	-1	115
6338	C A-2	T.2N.,R.13E.,sec.01	12	8	54	-0.1	-0.1	2	-1	1	1	-10	11	26	2.34	395	-1	66
6342	C A-3	T.3N.,R.13E.,sec.11	13	7	48	-0.1	-0.1	2	-1	1	8	-10	-10	20	1.96	374	-1	87
6345	C A-3	T.3N.,R.13E.,sec.14	16	5	53	-0.1	-0.1	3	-1	1	9	-10	-10	20	2.27	322	-1	95
6348	C A-3	T.3N.,R.13E.,sec.14	18	6	55	-0.1	-0.1	2	-1	2	8	-10	-10	24	2.49	369	-1	67
6352	C A-3	T.3N.,R.13E.,sec.15	8	7	45	-0.1	0.1	3	-1	2	14	-10	-10	10	1.38	310	-1	101
6356	C A-3	T.3N.,R.13E.,sec.21	21	9	77	-0.1	0.1	3	-1	2	6	-10	14	34	3.25	583	-1	99
6362	C A-3	T.3N.,R.13E.,sec.27	14	8	51	-0.1	-0.1	3	-1	1	35	-10	-10	16	2.22	396	-1	117
6367	C A-3	T.2N.,R.13E.,sec.03	14	9	50	-0.1	-0.1	3	-1	1	1	-10	12	34	2.81	411	-1	111
6375	C A-2	T.3N.,R.15E.,sec.15	19	-1	30	-0.1	-0.1	2	-1	2	1	-10	-10	24	1.66	271	-1	53
6377	C A-2	T.3N.,R.15E.,sec.23	16	3	36	-0.1	0.1	2	-1	13	35	-10	-10	15	1.30	176	-1	59
6379	C A-2	T.3N.,R.15E.,sec.23	5	2	36	-0.1	-0.1	2	-1	34	2	-10	-10	10	0.71	147	-1	67
6383	C A-2	T.2N.,R.14E.,sec.08	13	4	36	-0.1	-0.1	2	-1	2	25	-10	-10	23	2.19	449	-1	82
6385	C A-2	T.2N.,R.14E.,sec.05	14	4	39	-0.1	-0.1	3	-1	2	8	-10	-10	22	2.02	355	-1	69
6387	C A-2	T.2N.,R.14E.,sec.05	21	8	72	-0.1	0.1	2	-1	1	1	-10	-10	35	2.84	352	-1	84
6389	B D-3	T.1N.,R.13E.,sec.28	24	5	120	-0.1	0.3	4	-1	1	25	41	-10	27	1.96	407	-1	51

Table 2 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
6391	B D-3	T.1N.,R.13E.,sec.28	25	5	125	-0.1	0.2	5	-1	1	11	44	-10	27	2.03	311	-1	67
6396	B D-3	T.1N.,R.13E.,sec.29	48	8	117	-0.1	0.2	4	-1	2	45	39	-10	28	1.96	401	-1	57
6401	B D-3	T.1N.,R.12E.,sec.28	27	9	95	-0.1	0.1	2	-1	1	1	-10	25	54	6.30	1080	-1	46
6410	B D-3	T.1N.,R.12E.,sec.27	21	7	119	-0.1	-0.1	2	-1	1	1	-10	26	56	6.45	1030	-1	44
6414	B D-3	T.1N.,R.13E.,sec.31	23	6	132	-0.1	-0.1	4	-1	2	16	132	-10	29	1.74	252	-1	53
6416	B D-3	T.1N.,R.11E.,sec.13	58	14	824	-0.1	-0.1	9	-1	1	1	10	18	83	2.74	569	3	1
6418	B D-3	T.1N.,R.11E.,sec.13	61	16	955	-0.1	0.1	9	-1	2	1	24	18	92	2.93	655	4	43
6422	B D-3	T.1N.,R.11E.,sec.13	63	18	837	-0.1	0.4	11	-1	2	1	34	15	91	3.54	464	3	46
6640	C A-3	T.2N.,R.13E.,sec.01	12	8	56	-0.1	-0.1	3	-1	1	1	-10	15	37	2.80	370	-1	86
6651	C A-3	T.2N.,R.13E.,sec.13	21	6	48	-0.1	-0.1	1	-1	1	1	16	12	47	2.41	272	-1	104
6656	C A-3	T.2N.,R.13E.,sec.11	17	8	57	-0.1	-0.1	2	-1	1	1	14	14	39	2.62	386	-1	126
6661	C A-3	T.2N.,R.13E.,sec.10	14	5	48	-0.1	-0.1	2	-1	1	1	12	13	28	3.24	582	-1	94
6663	C A-3	T.2N.,R.13E.,sec.10	15	5	50	-0.1	-0.1	2	-1	1	1	14	15	36	2.80	502	-1	119
6665	C A-3	T.2N.,R.13E.,sec.10	20	8	63	-0.1	-0.1	2	-1	2	1	18	12	42	3.28	693	-1	121
6670	C A-3	T.2N.,R.13E.,sec.04	14	5	50	-0.1	-0.1	1	-1	1	1	17	-10	37	2.67	517	-1	108
6672	B D-3	T.1N.,R.12E.,sec.14	39	15	637	-0.1	0.3	9	-1	1	1	38	-10	57	1.69	362	7	63
6677	B D-3	T.1N.,R.12E.,sec.13	31	19	359	-0.1	0.2	11	-1	1	1	125	-10	51	1.76	630	2	97
6680	B D-3	T.1N.,R.12E.,sec.24	32	18	213	-0.1	0.1	6	-1	1	1	152	-10	30	2.57	490	-1	61
6682	B D-3	T.1N.,R.12E.,sec.24	33	12	312	-0.1	0.2	11	-1	6	3	134	-10	45	1.77	512	2	119
6684	C A-2	T.2N.,R.14E.,sec.02	13	10	59	-0.1	-0.1	2	-1	1	1	20	-10	24	2.54	555	-1	107
6689	C A-2	T.3N.,R.14E.,sec.34	10	10	46	-0.1	-0.1	2	-1	2	1	17	-10	18	2.10	402	-1	105
6694	C A-2	T.3N.,R.14E.,sec.33	10	8	44	-0.1	-0.1	2	-1	1	4	14	-10	20	2.32	433	-1	105
6696	C A-2	T.3N.,R.15E.,sec.07	15	7	53	-0.1	-0.1	2	-1	1	1	16	-10	27	2.12	325	-1	103
6701	C A-2	T.3N.,R.14E.,sec.13	12	6	43	-0.1	-0.1	2	-1	1	6	15	-10	22	-	-	-1	111
6705	C A-2	T.3N.,R.14E.,sec.01	4	2	19	-0.1	-0.1	3	-1	1	32	-10	-10	-10	1.02	208	-1	140
6708	C A-2	T.3N.,R.14E.,sec.11	11	5	42	-0.1	-0.1	3	-1	1	9	-10	-10	19	1.82	286	-1	113
6712	C A-2	T.3N.,R.14E.,sec.13	11	6	42	-0.1	-0.1	3	-1	1	1	-10	-10	17	1.85	370	-1	126
6716	C A-2	T.3N.,R.14E.,sec.03	6	3	40	-0.1	-0.1	3	-1	1	1	-10	-10	-10	1.10	192	-1	79
6718	C A-2	T.3N.,R.14E.,sec.03	12	7	52	-0.1	0.1	3	-1	-	-	-10	-10	12	1.83	266	-1	-10
6721	C A-2	T.4N.,R.14E.,sec.33	15	4	84	-0.1	-0.1	4	-1	1	5	-10	27	39	1.78	1150	-1	87
6726	C A-2	T.3N.,R.14E.,sec.04	6	2	30	-0.1	-0.1	4	-1	1	1	-10	-10	-10	1.17	184	-1	104
6727	C A-2	T.3N.,R.14E.,sec.04	6	3	22	-0.1	-0.1	4	-1	2	60	-10	-10	-10	0.91	144	-1	140
6731	C A-2	T.3N.,R.14E.,sec.10	13	3	41	-0.1	-0.1	3	-1	1	1	-10	-10	15	2.24	252	-1	120
6734	C A-2	T.3N.,R.14E.,sec.16	6	2	25	-0.1	-0.1	4	-1	1	3	-10	-10	10	1.01	208	-1	120
6736	C A-2	T.3N.,R.14E.,sec.16	10	3	44	-0.1	-0.1	3	-1	1	1	-10	-10	17	2.07	338	-1	121
6742	B D-3	T.2N.,R.12E.,sec.22	63	7	62	-0.1	-0.1	4	-1	2	1	-10	-10	13	.99	207	-1	101
6747	C A-3	T.2N.,R.12E.,sec.15	13	5	157	-0.1	-0.1	5	-1	1	1	-10	12	26	2.88	561	-1	68
6752	C A-3	T.2N.,R.12E.,sec.04	22	7	113	-0.1	-0.1	5	-1	1	1	-10	-10	24	2.96	226	-1	81
6757	C A-3	T.3N.,R.12E.,sec.32	23	5	113	-0.1	-0.1	5	-1	1	1	25	-10	24	2.78	465	-1	81
6759	B D-2	T.2N.,R.14E.,sec.13	15	16	66	-0.1	-0.1	3	-1	1	1	31	-10	18	1.99	366	-1	91

Table 2 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
6762	B D-2	T.2N.,R.15E.,sec.18	9	10	39	-0.1	-0.1	2	-1	1	1	18	-10	12	2.00	234	-1	75
6766	C A-2	T.2N.,R.15E.,sec.07	15	26	49	-0.1	0.1	2	-1	2	1	68	11	18	2.83	465	-1	91
6768	C A-2	T.2N.,R.15E.,sec.07	19	18	67	-0.1	-0.1	2	-1	75	1	41	-10	20	2.53	411	-1	125
6770	C A-2	T.2N.,R.15E.,sec.08	28	16	71	-0.1	-0.1	2	-1	1	60	25	-10	22	2.74	376	-1	100
6772	B D-3	T.2N.,R.13E.,sec.30	31	8	166	-0.1	0.1	7	-1	2	1	16	-10	27	1.48	139	-1	92
6777	B D-3	T.2N.,R.13E.,sec.19	15	9	73	-0.1	-0.1	3	-1	1	1	23	11	22	3.01	423	-1	69
6779	B D-3	T.2N.,R.12E.,sec.24	20	8	120	-0.1	0.1	5	-1	1	1	-10	-10	21	1.66	301	-1	74
6782	B D-3	T.2N.,R.12E.,sec.25	30	8	174	-0.1	0.2	8	-1	1	1	-10	-10	32	1.84	367	1	94
6786	B D-3	T.2N.,R.12E.,sec.26	33	7	145	-0.1	0.2	7	-1	1	1	-10	-10	24	1.72	189	-1	90
6789	B D-3	T.2N.,R.12E.,sec.23	31	7	114	-0.1	-0.1	6	-1	1	1	-10	-10	24	1.68	186	-1	91
6791	B D-3	T.2N.,R.12E.,sec.24	35	9	192	-0.1	0.2	8	-1	2	6	-10	-10	29	1.69	241	1	110
6795	B D-3	T.2N.,R.12E.,sec.13	12	12	90	-0.1	-0.1	4	-1	1	1	-10	-10	17	1.54	233	-1	77
6797	C A-3	T.2N.,R.12E.,sec.13	26	5	122	-0.1	0.1	6	-1	1	1	-10	-10	23	1.81	257	-1	118
6800	C A-3	T.2N.,R.12E.,sec.12	22	7	116	-0.1	0.1	6	-1	1	1	-10	-10	22	1.46	272	-1	99
6802	C A-3	T.2N.,R.12E.,sec.12	28	7	125	-0.1	0.1	6	-1	1	1	-10	-10	25	2.01	247	-1	76
6806	C A-3	T.2N.,R.12E.,sec.12	18	6	82	-0.1	-0.1	4	-1	1	1	-10	-10	17	1.94	253	-1	65
6808	C A-3	T.3N.,R.12E.,sec.26	22	8	77	-0.1	-0.1	2	-1	1	1	-10	13	37	3.29	487	-1	84
6810	C A-3	T.3N.,R.12E.,sec.29	26	6	97	-0.1	-0.1	4	-1	1	1	-10	-10	23	2.55	298	-1	63
6812	C A-2	T.3N.,R.14E.,sec.05	17	7	46	-0.1	-0.1	5	-1	1	7	-10	-10	17	2.19	436	-1	153
6817	C A-2	T.4N.,R.14E.,sec.31	14	5	44	-0.1	-0.1	2	-1	1	14	-10	-10	18	2.08	304	-1	117
6819	C A-2	T.3N.,R.14E.,sec.06	14	5	45	-0.1	-0.1	1	-1	1	12	-10	-10	18	1.96	290	-1	87
6821	C A-2	T.3N.,R.14E.,sec.06	16	7	48	-0.1	-0.1	2	-1	1	9	-10	-10	22	2.57	363	-1	113
6823	C A-2	T.3N.,R.14E.,sec.06	18	7	64	-0.1	-0.1	3	-1	1	9	-10	-10	22	2.20	338	-1	111
6828	C A-2	T.3N.,R.14E.,sec.07	15	5	42	-0.1	-0.1	2	-1	1	18	-10	-10	17	1.92	300	-1	115
6830	C A-2	T.3N.,R.14E.,sec.07	10	5	37	-0.1	-0.1	3	-1	1	10	-10	-10	13	1.71	220	-1	127
6832	B D-2	T.2N.,R.14E.,sec.23	22	10	57	-0.1	-0.1	3	-1	1	1	-10	-10	18	3.03	375	-1	94
6837	B D-2	T.2N.,R.14E.,sec.15	15	10	56	-0.1	-0.1	2	-1	1	12	-10	-10	19	2.38	405	-1	114
6842	C A-2	T.2N.,R.14E.,sec.15	11	9	49	-0.1	-0.1	2	-1	2	1	-10	-10	18	2.16	365	-1	121
6847	C A-2	T.2N.,R.14E.,sec.09	13	9	55	-0.1	-0.1	3	-1	2	7	32	-10	21	2.55	395	-1	100
6849	B D-2	T.2N.,R.14E.,sec.29	21	11	38	-0.1	-0.1	2	-1	1	16	22	-10	13	1.64	562	-1	110
6852	B D-2	T.2N.,R.14E.,sec.20	32	7	64	-0.1	0.1	3	-1	1	10	52	11	26	3.63	464	-1	88
6854	B D-2	T.2N.,R.14E.,sec.19	21	9	68	-0.1	0.1	5	-1	1	125	23	-10	25	2.50	596	-1	95
6856	B D-2	T.2N.,R.13E.,sec.24	32	9	69	-0.1	0.2	3	-1	1	6	12	12	28	2.82	464	-1	106
6860	B D-2	T.2N.,R.15E.,sec.30	9	4	35	-0.1	0.1	2	-1	1	4	-10	10	15	1.79	464	-1	85
6864	C A-3	T.3N.,R.13E.,sec.36	17	6	57	-0.1	-0.1	1	-1	1	1	-10	14	39	3.67	775	-1	64
6868	C A-3	T.3N.,R.13E.,sec.26	14	5	93	-0.1	-0.1	1	-1	1	1	-10	11	39	3.73	784	-1	106
6873	C A-2	T.3N.,R.14E.,sec.14	15	7	40	-0.1	-0.1	2	-1	1	12	29	-10	24	2.23	303	-1	67
6875	C A-2	T.3N.,R.16E.,sec.31	5	4	28	-0.1	-0.1	-1	-1	1	2	-10	-10	13	1.16	243	-1	78
6877	B D-2	T.2N.,R.14E.,sec.25	25	6	44	-0.1	-0.1	1	-1	1	90	-10	10	29	3.17	376	-1	78
6880	B D-2	T.2N.,R.14E.,sec.35	18	4	34	-0.1	-0.1	1	-1	1	1	-10	10	34	2.54	564	-1	88

Table 2 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr
6882	B D-2	T.2N.,R.14E.,sec.27	21	9	31	-0.1	-0.1	1	-1	6	400	-10	-10	24	2.77	342	-1	89
6883	B D-3	T.1N.,R.13E.,sec.35	6	6	37	-0.1	-0.1	1	3	2	3	-10	-10	10	1.69	356	-1	75
6887	B D-3	T.1S.,R.13E.,sec.01	7	5	32	-0.1	-0.1	2	2	8	40	20	-10	-10	1.58	291	-1	75
6891	B D-3	T.1S.,R.13E.,sec.11	10	7	40	-0.1	-0.1	2	-1	7	85	43	-10	11	1.70	294	-1	68
6893	B D-3	T.1N.,R.12E.,sec.05	57	11	530	-0.1	0.3	9	1	2	1	24	10	66	2.39	298	1	61
6896	B D-3	T.1N.,R.12E.,sec.05	30	14	423	-0.1	-0.1	6	-1	2	1	-10	10	60	2.72	423	-1	35
6899	B D-3	T.1N.,R.12E.,sec.08	60	16	474	-0.1	0.2	13	-1	2	1	38	12	72	3.05	403	1	76
6902	B D-3	T.1N.,R.12E.,sec.07	49	12	509	-0.1	0.2	11	1	1	1	32	10	71	2.64	431	1	50
6904	B D-3	T.1N.,R.12E.,sec.06	49	20	480	-0.1	0.2	10	-1	1	1	-10	12	69	3.01	554	1	73
6906	B D-3	T.1N.,R.12E.,sec.07	82	17	489	-0.1	0.3	17	1	1	1	42	14	84	4.06	287	-1	94
6910	B D-3	T.1N.,R.11E.,sec.12	75	16	657	-0.1	0.2	15	2	1	1	51	14	92	3.84	378	-1	55
6913	B D-3	T.1N.,R.11E.,sec.12	49	11	396	-0.1	0.1	9	-1	1	1	18	-10	61	2.64	280	-1	72
6916	B D-3	T.1N.,R.12E.,sec.30	27	11	100	-0.1	-0.1	1	-1	2	1	-10	24	56	6.72	910	-1	43
6921	B D-3	T.1N.,R.11E.,sec.25	100	34	1170	-0.1	0.2	9	-1	2	3	67	17	83	6.27	609	1	77
6923	B D-3	T.1N.,R.11E.,sec.25	44	15	238	-0.1	-0.1	4	-1	2	1	13	23	101	5.80	787	-1	102
6928	B D-2	T.1S.,R.14E.,sec.09	96	19	193	-0.1	0.2	7	-1	5	60	230	14	56	4.60	541	-1	62
6930	B D-2	T.1S.,R.14E.,sec.04	82	15	350	-0.1	-0.1	7	-1	2	7	114	14	62	4.61	426	-1	57
6932	B D-2	T.1S.,R.14E.,sec.04	63	15	642	-0.1	0.2	11	-1	1	3	15	-10	84	3.33	327	2	63
6934	B D-2	T.1S.,R.14E.,sec.04	48	8	255	-0.1	0.3	7	-1	2	1	-10	10	55	2.81	401	-1	72
6936	B D-2	T.1N.,R.14E.,sec.29	27	9	89	-0.1	0.3	4	-1	1	35	43	10	34	3.09	541	-1	76
6938	B D-2	T.1N.,R.14E.,sec.19	7	6	40	-0.1	0.1	2	-1	2	1	10	-10	11	1.59	388	-1	62
6940	B D-2	T.1N.,R.13E.,sec.27	4	4	32	-0.1	-0.1	2	-1	1	16	41	-10	-10	1.91	327	-1	79
6943	B D-2	T.1S.,R.14E.,sec.17	49	31	118	-0.1	0.3	2	-1	65	90	381	10	34	3.10	461	-1	52
6949	B D-3	T.1S.,R.14E.,sec.19	36	17	105	-0.1	-0.1	2	-1	22	10	356	18	46	4.53	959	-1	45

Table 3. Rock-sample analyses, upper Chena River area, Alaska. Analyses in ppm unless stated otherwise. '-' indicates 'less than,' '+' indicates 'greater than,' dash indicates sample not analysed for that element, 'B' indicates Big Delta Quadrangle, and 'C' indicates Circle Quadrangle.

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr	Description
2864	C A-3	T.3N.,R.13E.,sec.16	6	2	12	-0.1	-0.1	1	-1	-	-	-10	-10	-10	0.654	20	-1	51	Limonitic altered felsic tuff
2865	C A-3	T.3N.,R.13E.,sec.16	10	19	99	-0.1	-0.1	16	-1	-	-	-10	-10	23	2.73	101	-1	35	Limonitic breccia
2866	C A-3	T.3N.,R.13E.,sec.16	14	274	-	-0.1	32.4	2	-1	100	80	-10	-	-	-	-	-	-	Quartz vein in intrusive rock
2867	C A-3	T.3N.,R.13E.,sec.16	9	9	20	-0.1	-0.1	1	-1	-	-	-10	-10	11	0.892	28	-1	54	Meta felsic tuff
2868	C A-3	T.3N.,R.13E.,sec.21	13	-1	47	-0.1	-0.1	2	-1	1	1	-10	-10	22	2.55	86	-1	67	Thinly layered calc silicate
2870	C A-3	T.3N.,R.13E.,sec.20	7	6	27	-0.1	0.2	-	-1	1	8	-10	-10	-10	1.15	100	-1	63	Limonitic hornfelsed quartzite
2872	C A-3	T.3N.,R.12E.,sec.22	15	3	14	-0.1	0.1	1	-1	-	-	-10	-10	16	0.921	67	-1	77	Felsic tuff
2874	C A-3	T.3N.,R.12E.,sec.16	26	11	16	-0.1	0.3	1	-1	-	-	-10	-10	12	0.931	47	-1	83	Quartz breccia in schist
2875	C A-3	T.3N.,R.12E.,sec.16	34	9	16	-0.1	-0.1	1	-1	-	-	-10	-10	10	1.48	53	-1	57	1 ft channel sample of pyritic quartz vein
2876	C A-3	T.3N.,R.12E.,sec.16	21	5	24	-0.1	-0.1	1	-1	-	-	-10	-10	20	1.37	65	-1	51	Pyritic iron-stained schist
2877	C A-3	T.3N.,R.12E.,sec.7	17	11	29	-0.1	-0.1	1	-1	-	-	85	-10	15	1.11	77	-1	60	Iron-stained brecciated quartzite
2879	C A-3	T.3N.,R.13E.,sec.18	9	20	205	-0.1	0.8	15	-1	4	11	-10	-10	-10	1.96	28	-1	38	Muscovite quartz veinlets in intrusive rock
2882	B D-3	T.2N.,R.12E.,sec.33	34	6	55	-0.1	0.3	5	-1	-	-	18	-10	18	1.13	-10	-1	36	Very fine grained gray to black phyllitic quartzite
2883	B D-3	T.2N.,R.12E.,sec.33	264	14	469	-0.1	0.2	2	-1	-	-	11	-10	132	4.00	25	-1	58	Iron-stained quartz in black quartzite
2884	B D-3	T.2N.,R.12E.,sec.33	22	58	33	-0.1	0.6	5	-1	-	-	-10	-10	25	1.98	13	-1	54	Quartz vein in black quartzite
2885	B D-3	T.2N.,R.12E.,sec.29	8	10	38	-0.1	-0.1	5	-1	-	-	-10	-10	10	1.22	-10	-1	61	Iron-stained quartz vein in sandstone
2886	B D-3	T.2N.,R.12E.,sec.29	7	4	22	-0.1	-0.1	3	-1	-	-	-10	-10	-10	1.30	-10	-1	90	Iron-stained brecciated quartz vein in sandstone
2887	B D-2	T.2N.,R.14E.,sec.31	4	18	13	-0.1	0.3	1	-1	1	1	-10	-10	-10	0.37	-10	-1	64	Quartzite breccia
2888	B D-2	T.2N.,R.14E.,sec.31	12	29	42	-0.1	0.6	1	-1	-	-	-10	-10	14	2.27	168	-1	23	Pyritic silicified rock in shear(?) zone
2889	B D-3	T.2N.,R.13E.,sec.36	5	73	20	-0.1	-0.1	1	-1	-	-	74	-10	-10	0.977	10	-1	52	Composite sample of leached iron-stained breccia
2891	B D-2	T.2N.,R.14E.,sec.32	102	5	37	0.4	0.4	3	-1	1	80	-10	-10	19	3.75	282	-1	55	Chip sample, saprolite pod in silicified quartzite
2892	B D-2	T.2N.,R.14E.,sec.32	294	7	42	15.0	4.2	20	-1	4	525	-10	-10	12	8.22	609	-1	31	Limonitic altered quartzite
2893	B D-2	T.2N.,R.14E.,sec.32	5	5	25	-0.1	0.1	2	-1	1	1	-10	-10	-10	0.613	116	-1	58	Quartz-feldspar pegmatite vein in quartz monzonite
2894	B D-2	T.2N.,R.14E.,sec.32	12	36	7	-0.1	0.2	2	-1	1	1	-10	-10	-10	2.06	-10	-1	40	Quartzite and schist in shear zone
2895	B D-2	T.2N.,R.14E.,sec.32	13	12	26	-0.1	0.2	2	-1	1	1	-10	-10	-10	2.39	74	-1	46	Quartzite and schist within schistose quartz monzonite
2896	B D-2	T.2N.,R.14E.,sec.33	4	4	5	-0.1	0.1	-1	-1	1	4	10	-10	-10	0.21	123	-1	51	Quartz-tourmaline vein in quartzite
2897	C A-2	T.2N.,R.14E.,sec.17	244	9	22	-0.1	0.3	3	-1	2	+1000	-10	10	20	3.12	207	-1	38	Sulfide-bearing rock between calc silicate and biotite
2898	C A-2	T.2N.,R.14E.,sec.17	8	9	12	-0.1	-0.1	1	-1	1	3	-10	-10	-10	0.222	83	-1	42	Coarse-grained garnet-pyroxene calc silicate
2899	C A-2	T.2N.,R.14E.,sec.17	6	4	15	-0.1	-0.1	1	-1	1	1	-10	-10	-10	0.414	148	-1	44	Fine-grained garnet-pyroxene-calcite calc silicate
2900	B D-2	T.2N.,R.14E.,sec.20	17	4	31	-0.1	-0.1	2	-1	2	3	-10	-10	-10	0.336	155	-1	20	Garnet, diopside, and calcite skarn
2901	B D-3	T.1N.,R.13E.,sec.31	65	63	401	-0.1	4.6	9	22	-	-	134	-10	105	2.46	40	-1	108	Iron-stained calc-phyllite
2902	B D-3	T.1N.,R.13E.,sec.31	5	22	10	-0.1	15	2	47	-	-	-10	-10	10	0.617	-10	-1	71	Oxidized dark-gray shale to phyllite
2903	B D-3	T.1N.,R.12E.,sec.11	15	14	8	-0.1	0.6	12	-1	-	-	17	-10	11	0.778	-10	-1	140	Quartz breccia in black quartzite
2904	B D-3	T.1N.,R.12E.,sec.11	20	12	11	-0.1	0.9	17	-1	-	-	23	-10	-10	0.462	-10	-1	84	Iron-stained black quartzite
2905	B D-3	T.1N.,R.13E.,sec.25	5	6	5	-0.1	-0.1	2	-1	2	1	+1800	-10	-10	0.627	18	-1	81	Iron-stained quartz vein cutting quartz monzonite
2906	B D-3	T.1N.,R.13E.,sec.36	22	8	32	-0.1	-0.1	2	-1	1	8	-10	-10	15	1.58	298	-1	47	Altered silicified carbonate near quartz monzonite concentrates
2907	B D-2	T.1S.,R.14E.,sec.9	518	39	436	0.1	1.3	1	422	20	60	+19800	79	722	22.3	686	-1	307	Sulfide zone from trench in garnet-diopside skarn
2908	B D-2	T.1S.,R.14E.,sec.9	64	4	50	0.1	0.4	2	10	4	900	233	-10	-10	2.92	1360	-1	23	Sulfide-bearing calc-silicate

Table 3 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr	Description
2909	B D-2	T.1S.,R.14E.,sec.9	462	34	37	<0.1	4.3	1	<1	4	450	818	11	21	7.11	364	<1	28	Sulfide-bearing calc silicate
2910	B D-2	T.1S.,R.14E.,sec.16	475	3	3	<0.1	1.5	2	<1	5	+1000	465	10	16	6.34	1330	<1	18	Sulfide gossan pod in calc silicate
3259	C A-2	T.3N.,R.15E.,sec.30	54	16	9	<0.1	0.1	4	<1	2	1	<10	<10	<10	1.92	35	<1	100	Calc silicate and augen-gneiss contact
3260	C A-2	T.3N.,R.14E.,sec.36	64	2	41	<0.1	0.1	8	6	1	1	<10	10	27	2.69	367	<1	187	Quartzite in pelitic schist
3261	C A-2	T.3N.,R.15E.,sec.29	23	4	24	<0.1	<0.1	5	4	1	1	<10	<10	<10	0.966	55	<1	219	Augen-gneiss and green-quartzite contact
3262	C A-2	T.3N.,R.15E.,sec.16	154	1	59	<0.1	0.1	7	59	1	1	<10	17	26	4.26	37	<1	91	Green calc silicate
3263	C A-2	T.3N.,R.15E.,sec.16	114	13	143	<0.1	0.1	2	13	1	1	<10	22	41	3.07	480	<1	69	Limonitic green calc silicate
3264	C A-2	T.3N.,R.15E.,sec.10	64	11	53	<0.1	0.2	3	<1	2	1	<10	11	33	4.77	362	<1	188	Thin black-tourmaline veinlet cutting quartzite
3265	C A-2	T.3N.,R.15E.,sec.10	30	12	9	<0.1	0.1	3	8	1	1	<10	<10	17	2.27	171	<1	65	1/2 in. quartz veinlet in quartzo-feldspathic quartzite
3266	C A-2	T.3N.,R.16E.,sec.3	21	2	2	<0.1	<0.1	2	3	1	1	<10	<10	<10	0.446	42	<1	241	Quartz vein in calc-schist
3267	C A-2	T.2N.,R.15E.,sec.16	7	4	16	<0.1	<0.1	2	<1	1	1	<10	<10	<10	0.808	37	<1	199	Quartz vein in limonitic quartzite
3268	C A-2	T.2N.,R.5E.,sec.16	8	4	3	<0.1	<0.1	2	9	1	1	<10	<10	<10	0.621	39	<1	281	Quartz vein in hornfelsed quartzite
3269	C A-2	T.2N.,R.5E.,sec.16	3	6	3	<0.1	<0.1	2	11	1	1	<10	<10	<10	0.348	101	<1	196	Quartz-tourmaline vein
3270	B D-3	T.1N.,R.11E.,sec.24	21	32	34	<0.1	0.2	4	6	1	7	<10	<10	<10	1.10	31	<1	136	Pyritic rhyolite plug in phyllite
3271	B D-3	T.1N.,R.11E.,sec.24	13	113	128	<0.1	3.5	2	4	1	5	84	<10	12	2.12	237	<1	96	Limonitic sheared rhyolite
3272	C A-2	T.2N.,R.15E.,sec.21	63	64	18	<0.1	0.7	13	14	1	1	11	<10	19	1.51	48	<1	194	Altered zone in calc silicate
3273	B D-3	T.1N.,R.12E.,sec.15	58	85	196	<0.1	0.5	3	<1	-	-	<10	<10	20	3.76	135	<1	200	Limonitic quartz vein in black phyllite
3274	B D-3	T.1N.,R.11E.,sec.13	835	185	2570	<0.1	0.9	76	15	-	-	<10	13	277	13.60	21	<1	120	Ferricreted breccia in black quartzite
3285	C A-2	T.3N.,R.16E.,sec.31	44	4	91	<0.1	1.0	<1	<1	1	-	40	15	32	4.75	505	<1	58	Pyritic zone in muscovite-biotite quartz schist
3286	C A-2	T.3N.,R.16E.,sec.31	40	2	74	<0.1	0.9	<1	<1	1	-	40	<10	15	3.99	332	<1	47	Pyritic zone in muscovite-biotite quartz schist
3287	C A-2	T.3N.,R.16E.,sec.31	61	3	63	<0.1	0.9	<1	<1	1	-	40	13	30	3.57	248	<1	43	Pyritic zone in muscovite-biotite quartz schist
3288	C A-2	T.3N.,R.16E.,sec.31	30	4	35	<0.1	0.7	<1	<1	220	-	40	<10	20	2.43	144	<1	52	Sulfide-bearing layer in quartzite
5256	C A-3	T.3N.,R.13E.,sec.10	6	13	27	<0.1	0.2	2	<1	1	5	<10	<10	<10	1.31	104	<1	170	Red-stained altered quartzite
5257	C A-3	T.3N.,R.13E.,sec.10	16	9	17	<0.1	0.2	2	<1	1	1	<10	<10	<10	1.78	119	<1	209	Red-stained altered quartzite
5258	C A-3	T.3N.,R.13E.,sec.10	5	14	13	<0.1	0.1	2	<1	1	4	<10	<10	<10	0.364	29	<1	280	Tourmaline vein in quartzite
5259	C A-3	T.3N.,R.13E.,sec.10	23	111	40	<0.1	11.7	2	<1	5	8	<10	<10	<10	1.63	125	<1	190	Quartz-tourmaline vein in hornfelsed quartzite
5260	C A-3	T.3N.,R.13E.,sec.10	12	33	17	<0.1	4.5	1	<1	6	6	<10	<10	<10	1.23	51	<1	151	Quartz-tourmaline vein in hornfelsed quartzite
5261	C A-3	T.3N.,R.13E.,sec.15	217	34	708	<0.1	0.4	3	<1	2	750	<10	<10	19	3.76	318	15	146	Orange-stained veined rubble
5262	C A-3	T.3N.,R.13E.,sec.16	8	22	84	<0.1	<0.1	1	<1	5	60	<10	<10	18	1.21	106	<1	51	Orange-stained veined rubble
5263	C A-3	T.3N.,R.13E.,sec.15	30	18	49	<0.1	0.1	4	<1	10	5	<10	<10	<10	1.11	49	<1	145	Orange-stained altered intrusive rock
5265	C A-3	T.3N.,R.13E.,sec.10	5	3	17	<0.1	0.1	3	<1	-	-	<10	<10	<10	1.30	32	<1	106	Orange-stained brecciated quartz
5266	C A-3	T.3N.,R.13E.,sec.10	2	<1	34	<0.1	<0.1	1	<1	-	-	<10	<10	<10	1.116	45	<1	156	Vuggy red-stained quartz
5267	C A-3	T.3N.,R.13E.,sec.11	4	56	62	<0.1	1.6	2	<1	2	6	<10	<10	19	1.50	246	<1	192	Quartz vein cutting quartzite
5268	C A-3	T.3N.,R.13E.,sec.11	8	28	23	<0.1	0.2	6	<1	2	9	24	<10	<10	1.49	34	<1	177	Orange-stained quartz vein in quartzite
5269	C A-3	T.3N.,R.13E.,sec.11	15	16	43	<0.1	0.1	2	<1	3	2	<10	<10	21	2.25	207	<1	182	Tourmaline or amphibole quartz vein in schist
5270	C A-3	T.3N.,R.13E.,sec.11	17	10	38	<0.1	0.1	7	<1	1	4	<10	<10	25	1.31	58	<1	149	Iron-stained quartz vein in quartz-mica schist
5271	C A-3	T.3N.,R.13E.,sec.11	32	9	74	<0.1	<0.1	2	<1	1	1	<10	<10	<10	3.44	296	<1	126	Iron-stained silver-colored schist
5272	C A-3	T.3N.,R.13E.,sec.10	12	6	79	<0.1	<0.1	2	<1	2	6	<10	<10	<10	0.943	170	<1	146	Quartz vein in quartzite
5273	C A-3	T.3N.,R.13E.,sec.10	13	17	58	<0.1	<0.1	2	<1	1	8	<10	10	28	2.25	396	<1	109	Iron-stained brecciated quartzite
5274	C A-3	T.3N.,R.13E.,sec.10	16	3	59	<0.1	0.1	3	<1	1	3	<10	25	139	3.16	514	<1	248	Calcite-bearing dark-green mafic rock
5275	C A-3	T.3N.,R.13E.,sec.10	143	7	34	<0.1	0.1	2	<1	1	7	<10	20	86	3.73	200	<1	109	Orange-stained altered intrusive rubble
5276	C A-3	T.3N.,R.13E.,sec.10	46	6	62	<0.1	0.1	2	<1	3	10	<10	<10	22	3.02	136	<1	135	Quartz vein in quartzite
5277	C A-3	T.3N.,R.13E.,sec.11	11	2	25	<0.1	<0.1	2	<1	-	-	20	<10	18	1.36	763	<1	136	Limonite-cemented quartz breccia in shear zone

Table 3 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr	Description
5278	C A-3	T.3N.,R.13E.,sec.11	18	9	11	<0.1	0.2	1	<1	2	8	<10	<10	<10	2.32	35	<1	75	Tourmaline schist and quartzite
5279	C A-3	T.3N.,R.13E.,sec.10	15	7	70	<0.1	0.1	2	<1	2	5	<10	<10	29	2.07	122	<1	75	Iron-stained schist
5280	C A-3	T.3N.,R.13E.,sec.10	18	63	20	0.1	2.6	2	<1	3	1	<10	<10	14	1.40	122	<1	97	4 in. tourmaline-quartz vein in quartzite
5281	C A-3	T.3N.,R.13E.,sec.10	8	3	42	<0.1	<0.1	1	<1	2	7	<10	<10	51	1.21	342	<1	69	Dark-green calcite-bearing amphibole-rich rock
5282	C A-3	T.3N.,R.13E.,sec.10	5	7	57	<0.1	<0.1	1	<1	1	7	<10	50	125	2.20	1540	<1	63	Limonitic tan felsite
5283	C A-3	T.3N.,R.13E.,sec.10	39	7	25	<0.1	<0.1	2	<1	2	1	<10	<10	11	3.56	535	<1	89	Tourmaline-bearing muscovite rock
5284	C A-3	T.3N.,R.13E.,sec.10	24	36	33	<0.1	0.1	1	<1	2	6	<10	<10	17	1.30	129	<1	127	Tourmaline veins in quartzite
5285	C A-3	T.3N.,R.13E.,sec.11	28	4	6	<0.1	<0.1	1	<1	2	7	<10	<10	10	3.23	60	<1	74	Tourmaline-bearing schist along jointed zone
5286	C A-3	T.3N.,R.13E.,sec.11	23	4	55	<0.1	<0.1	2	<1	1	1	<10	<10	21	2.23	364	<1	119	Pyrite in hornfelsed biotite quartzite
5287	C A-3	T.3N.,R.13E.,sec.11	18	6	36	<0.1	<0.1	1	<1	2	12	<10	14	27	2.59	349	<1	66	Limonitic quartzite breccia
5288	C A-3	T.3N.,R.13E.,sec.12	17	8	13	<0.1	<0.1	2	<1	1	1	<10	<10	<10	0.775	402	<1	60	Quartz-, amphibole-, and chlorite-rich layers in meta basalt
5289	B D-2	T.2N.,R.15E.,sec.24	69	19	63	<0.1	<0.1	3	<1	1	1	<10	12	40	3.43	339	<1	101	Schist and meta basalt contact
5290	B D-3	T.1N.,R.12E.,sec.4	12	40	506	<0.1	<0.1	3	<1	-	-	<10	15	87	1.96	459	<1	185	Limonitic quartz vein in black slate
5291	B D-3	T.1N.,R.12E.,sec.9	4	6	105	<0.1	<0.1	2	<1	-	-	<10	<10	20	0.792	185	<1	57	Finely laminated white quartzite with thin shale
5292	B D-3	T.1N.,R.12E.,sec.9	17	6	<1	<0.1	1.9	57	18	-	-	35	<10	<10	0.832	29	<1	260	Finely laminated argillite, phyllite, and quartzite
5293	B D-3	T.1N.,R.12E.,sec.9	7	<1	151	<0.1	0.1	2	<1	-	-	<10	<10	<10	0.278	28	1	236	Iron-stained massive (4 to 6 ft wide) bull quartz
5294	B D-3	T.1N.,R.11E.,sec.23	41	1	309	<0.1	0.2	2	<1	-	-	<10	<10	28	2.12	252	<1	102	Pyritic light-gray rhyolite
5295	B D-3	T.2N.,R.11E.,sec.22	29	9	64	<0.1	0.2	2	<1	-	-	<10	<10	30	1.77	163	<1	108	Iron-stained gray cherty quartzite
5296	B D-3	T.2N.,R.11E.,sec.22	67	25	47	<0.1	0.2	2	<1	-	-	<10	<10	15	2.26	225	<1	147	White veining in iron-stained gray cherty quartzite
5297	B D-3	T.1N.,R.11E.,sec.22	80	1	23	<0.1	0.8	2	<1	-	-	1080	20	143	6.74	140	<1	336	Iron-stained gossan of cherty to brecciated rock
5298	B D-3	T.1N.,R.11E.,sec.25	12	1	48	<0.1	<0.1	1	<1	-	-	13	<10	15	3.27	315	<1	80	Pyritic light-green layered aphanite
5299	B D-3	T.1N.,R.11E.,sec.25	241	<1	131	<0.1	0.1	2	<1	-	-	407	194	1050	7.25	2080	<1	1580	Limonitic layered black quartzite
5300	B D-3	T.1N.,R.11E.,sec.25	332	7	98	<0.1	0.9	3	<1	-	-	168	33	346	-	-	-	-	Iron-stained gossan
5301	B D-3	T.1N.,R.11E.,sec.25	150	1	27	<0.1	011	3	<1	-	-	20	16	36	7.56	178	<1	62	Limonitic green siliceous phyllite
5303	B D-3	T.1N.,R.11E.,sec.25	18	1	38	<0.1	<0.1	1	<1	-	-	<10	17	46	8.30	249	<1	46	Iron-stained dark-green-gray sugary quartzite
5304	B D-3	T.1N.,R.11E.,sec.27	29	11	40	<0.1	0.4	2	<1	-	-	154	<10	10	3.7	188	<1	144	Red-stained tuff
5305	B D-3	T.1N.,R.11E.,sec.27	50	7	38	<0.1	0.1	2	<1	-	-	<10	<10	10	3.25	813	<1	135	Red-stained felsic tuff
5306	B D-3	T.1N.,R.11E.,sec.27	7	2	26	<0.1	<0.1	1	<1	-	-	<10	<10	19	2.37	89	<1	135	Iron-stained rhyolite layers
5307	B D-3	T.1N.,R.11E.,sec.15	12	6	395	<0.1	0.1	2	<1	-	-	86	<10	28	1.87	55	<1	223	Quartz veins in black quartzite
5308	B D-3	T.1N.,R.11E.,sec.22	117	4	22	<0.1	0.5	2	<1	-	-	225	23	48	4.09	174	<1	108	Iron-stained rhyolite to quartzite
5309	B D-3	T.1N.,R.11E.,sec.22	23	21	48	<0.1	0.1	3	<1	-	-	215	15	35	3.27	285	<1	132	Layered light and dark quartzite with amphibole pods
5310	B D-3	T.1N.,R.11E.,sec.23	181	18	17	<0.1	0.9	2	<1	-	-	518	42	120	5.92	153	<1	81	Layered light and dark quartzite with amphibole pods
5311	B D-3	T.1N.,R.11E.,sec.22	39	39	117	<0.1	0.2	3	<1	-	-	<10	<10	29	0.990	186	<1	198	
5312	B D-3	T.1N.,R.11E.,sec.22	25	57	108	<0.1	0.3	3	<1	-	-	<10	<10	29	1.72	173	<1	111	
5437	C A-3	T.2N.,R.13E.,sec.12	45	4	89	<0.1	<0.1	2	<1	2	1	<10	23	55	3.94	272	<1	82	Tourmaline-bearing calc-schist with quartz boudins
5441	B D-2	T.2N.,R.14E.,sec.21	12	15	4	<0.1	<0.1	32	<1	2	1	<10	<10	<10	4.68	31	<1	71	Tourmaline-quartz pegmatitic vein
5444	B D-3	T.1N.,R.13E.,sec.35	29	6	20	<0.1	0.4	5	<1	4	10	596	<1	<10	2.17	265	<1	92	Iron-stained quartz-veined granite
5445	B D-3	T.2N.,R.12E.,sec.16	226	6	469	<0.1	11.4	4	86	2	1	31	<10	40	0.407	174	7	145	Quartz in black slate
5446	B D-3	T.1N.,R.13E.,sec.2	18	1	35	<0.1	0.1	2	<1	-	-	<10	<10	<10	3.74	25	<1	52	Iron-stained breccia zone
5447	B D-3	T.2N.,R.13E.,sec.35	10	5	6	<0.1	0.4	1	<1	-	-	128	<10	<10	1.54	12	<1	76	Iron-stained breccia zone
5449	B D-2	T.1S.,R.14E.,sec.9	44	5	74	0.2	<0.1	<1	<1	-	-	11	<10	23	4.10	232	<1	108	Orange-stained dark-gray quartzite
5450	B D-2	T.1S.,R.14E.,sec.9	127	4	27	0.2	0.7	2	<1	-	-	346	30	289	3.44	93	<1	228	Limonitic felsic schist
5451	B D-2	T.1S.,R.14E.,sec.10	53	16	57	0.2	0.2	2	<1	-	-	14	<10	27	3.12	178	<1	73	Limonitic felsic schist and interbedded quartzite

Table 3 (con.)

Sample	Quad-rangle	Location	Cu	Pb	Zn	Au	Ag	Mo	Sb	Sn	W	As	Co	Ni	Fe%	Mn	Cd	Cr	Description
5452	B D-2	T.1S.,R.14E.,sec.11	36	16	48	0.2	0.3	-1	-1	-	-	98	14	28	3.26	155	-1	81	Orange-weathering calc silicate or felsic schist
5453	B D-2	T.1N.,R.14E.,sec.31	46	2	43	-0.1	0.2	3	-1	1	1	-10	-10	15	1.75	133	-1	95	Augen gneiss
5454	B D-2	T.1N.,R.14E.,sec.32	153	10	187	-0.1	0.3	5	-1	-	-	-10	29	100	8.01	151	-1	78	Orange-weathering gossan
5455	B D-2	T.1N.,R.14E.,sec.32	74	33	527	-0.1	1.3	3	-1	-	-	-10	-10	57	2.02	108	1	108	Greissen in siliceous black quartzite
5456	B D-2	T.1S.,R.14E.,sec.11	30	18	51	-0.1	0.1	4	-1	2	1	-10	-10	11	0.676	196	-1	40	Garnet-bearing calc silicate
5458	B D-2	T.1S.,R.14E.,sec.11	60	7	26	0.3	0.7	2	-1	-	-	67	-10	11	5.79	93	-1	44	Black quartzite
18001	C A-2	T.3N.,R.15E.,sec.13	74	6	8	0.1	-0.1	-1	-1	-	-	13	17	46	1.54	82	-1	67	Breccia in contact with gray quartzite
18002	C A-2	T.3N.,R.16E.,sec.19	68	15	9	0.1	-0.1	2	-1	-	-	-10	-10	30	0.65	188	-1	68	Dolomitic tremolite marble
18003	C A-2	T.3N.,R.15E.,sec.13	3	2	5	0.1	-0.1	4	-1	-	-	-10	-10	-10	0.16	13	-1	105	Tourmaline quartz vein
18004	C A-2	T.3N.,R.15E.,sec.14	86	3	90	0.1	-0.1	2	-1	-	-	-10	30	46	8.69	165	-1	83	Pyritic skarn
18005	C A-2	T.3N.,R.15E.,sec.14	98	6	122	0.2	-0.1	-1	-1	-	-	-10	34	51	9.70	193	-1	99	Skarn
18006	C A-2	T.3N.,R.15E.,sec.14	72	3	21	0.1	0.1	4	-1	-	-	-10	-10	-10	2.20	103	-1	132	Garnet-pyroxene calc silicate
18007	C A-2	T.3N.,R.15E.,sec.14	16	9	43	0.1	-0.1	3	-1	-	-	-10	-10	19	2.12	190	-1	131	Pyritic quartz vein
18008	C A-2	T.3N.,R.14E.,sec.31	12	4	10	0.1	-0.1	2	1	-	-	-10	-10	-10	0.82	20	-1	160	Green biotite-muscovite schist and white quartzite
18009	C A-2	T.3N.,R.14E.,sec.6	29	7	21	0.1	-0.1	2	-1	-	-	-10	-10	14	1.81	93	-1	117	Veined tourmaline-mica-quartz schist
18010	C A-2	T.3N.,R.14E.,sec.8	5	3	6	0.1	0.1	2	-1	-	-	-10	-10	-10	0.80	27	-1	41	Yellow clay in tourmaline quartz vein
18011	C A-2	T.3N.,R.14E.,sec.8	16	4	10	0.1	0.1	-1	-1	-	-	-10	-10	-10	1.30	44	-1	171	Veined kyanite(?)-tourmaline-muscovite-quartz schist
18012	C A-2	T.4N.,R.14E.,sec.33	4	60	4	-0.1	2.9	348	3	-	-	-10	-10	-10	0.21	12	-1	188	Tourmaline-quartz-white mica-molybdenite(?) veinlets
18013	C A-2	T.3N.,R.15E.,sec.10	22	4	28	0.2	-0.1	3	-1	-	-	-10	-10	13	1.89	15	-1	129	Hematitic quartzite
18014	C A-2	T.3N.,R.15E.,sec.14	359	5	66	0.2	0.1	2	-1	-	-	-10	-10	25	3.38	272	-1	96	Skarn
18015	C A-2	T.3N.,R.15E.,sec.14	10	5	23	0.1	-0.1	1	-1	-	-	-10	-10	-10	0.41	158	-1	44	Skarn
18016	C A-2	T.3N.,R.15E.,sec.13	2	9	21	0.1	-0.1	-1	-1	-	-	-10	-10	-10	4.09	125	-1	83	Aplite dike in granite
18017	C A-2	T.3N.,R.15E.,sec.13	1	2	6	0.1	-0.1	-1	-1	-	-	-10	-10	-10	1.52	57	-1	85	Pyritic calc silicate
18018	C A-2	T.3N.,R.14E.,sec.24	30	2	2	0.2	-0.1	-1	-1	-	-	-10	-10	-10	0.70	14	-1	157	Altered quartz-feldspar-biotite vein
18019	B D-2	T.1N.,R.14E.,sec.14	146	4	131	0.2	0.1	-1	-1	-	-	-10	17	12	3.09	307	-1	15	Quartz-feldspar-white mica veins in garnet-amphibolite
18020	B D-2	T.1N.,R.14E.,sec.1	82	5	55	0.2	0.2	-1	-1	-	-	-10	36	57	4.62	399	-1	114	Altered paragneiss and marble
18021	C A-2	T.3N.,R.15E.,sec.16	43	3	23	0.3	0.1	-1	-1	-	-	-10	-10	25	2.65	64	-1	94	Rusty tourmaline + sulfide-bearing contact zone
18022	B D-3	T.1N.,R.13E.,sec.23	4	1	14	0.2	-0.1	-1	-1	-	-	21	-10	11	3.67	51	-1	156	Tourmaline-bearing quartzite
18023	B D-2	T.2N.,R.15E.,sec.29	10	14	35	0.2	0.1	-1	-1	-	-	-10	-10	40	1.91	310	-1	158	Tourmalinized quartzite and schist
18024	B D-2	T.1N.,R.14E.,sec.14	84	17	30	0.1	0.1	-1	-1	-	-	-10	-10	41	1.51	218	-1	132	Quartz-tourmaline vein
18025	C A-3	T.3N.,R.13E.,sec.10	42	4	2	0.1	0.1	-1	-1	-	-	-10	-10	11	1.96	19	-1	70	Sulfide-bearing tourmalinized schist
18026	C A-3	T.3N.,R.13E.,sec.11	9	17	32	0.2	-0.1	-1	-1	-	-	-10	-10	-10	7.62	470	-1	46	Tourmaline vein in schist and quartzite
18027	C A-2	T.3N.,R.15E.,sec.25	15	1	49	0.2	-0.1	-1	-1	-	-	-10	-10	11	2.54	248	-1	96	Tourmaline veinlet in granite