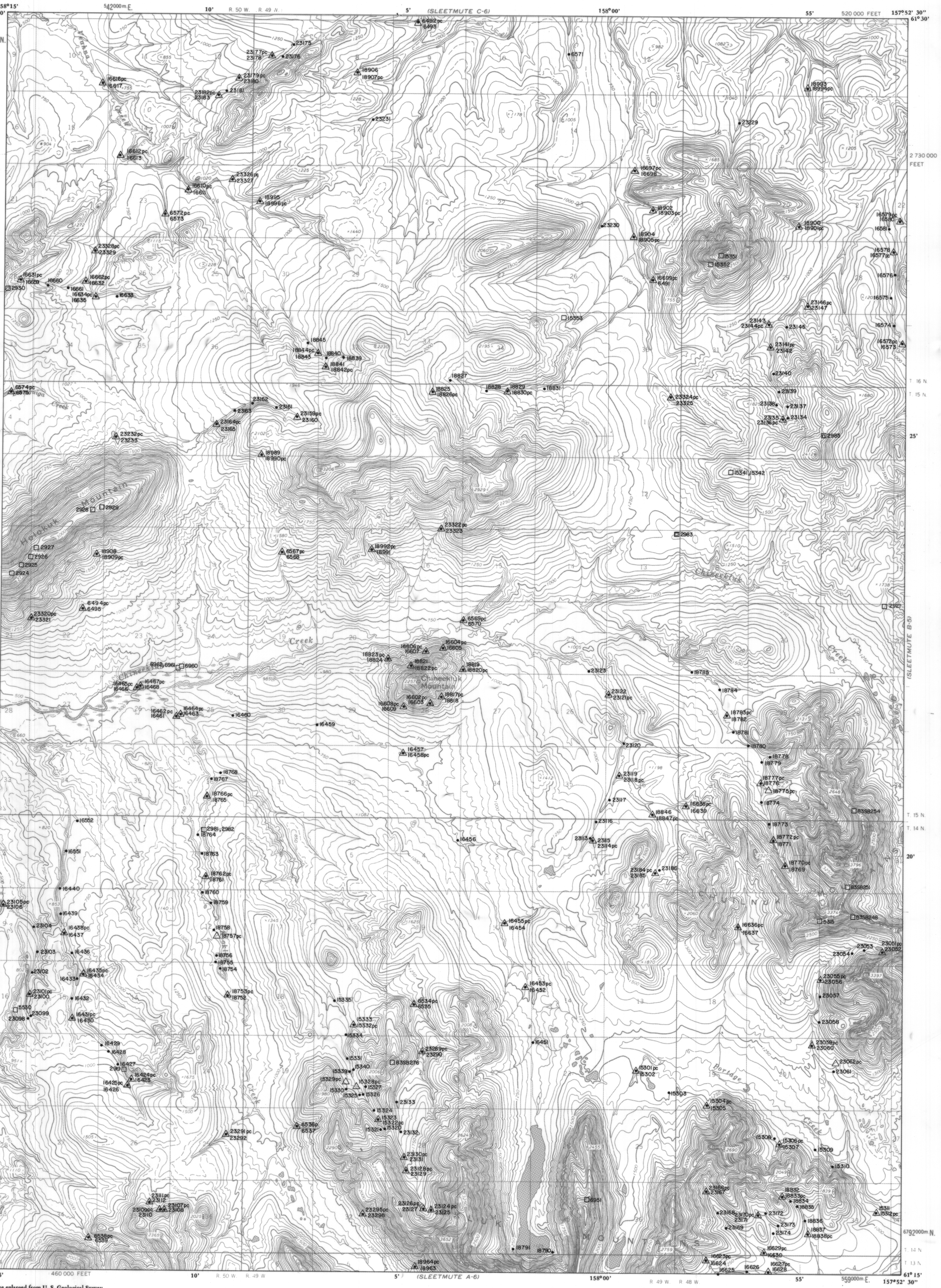
ALASKA DIVISION OF GEOLOGICAL &
GEOPHYSICAL SURVEYS



Base enlarged from U. S. Geological Survey Sleetmute B-6 quadrangle, 1955

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TRUE NORTH — MAGNETIC N — 21½°

APPROXIMATE MEAN DECLINATION, 1955

SCALE 1:40,000

1 0 1 2 3 MILES

1 0 1 2 3 4 KILOMETERS

CONTOUR INTERVAL 50 FEET

DATUM MEAN SEA LEVEL

Samples were collected by Jeff Lindhorst, Becky Stemper, Martin Leonard, G.A. Allegro, M.D. Albanese, T.E. Smith, John Decker, Rocky Reifenstuhl, John Murphy, Steven Box, and M.S. Robinson.
Larry Lueck reviewed this report.

ROCK TRACE-ELEMENT CONCENTRATIONS, SLEETMUTE B-6 QUADRANGLE, ALASKA

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Au	Ag	Mo	Sb	W	Sn	Hg(ppb)	As	Co	Ni	Fe(%)	Mn	Cd	Cr	SAMPLE DESCRIPTION
LIMIT OF DETECTION (ppm)			1	1	1	0.1	0.1	1	1	1	1	20(ppb)	10	10	10	10	10	1	10	
15341	61 24 35 N	157 56 55 W	45	3	55	0.3	<.1	<1	52			110	<10	50	166	6.59	1000	<1	151	Iron-stained basalt
15342	61 24 37 N	157 56 50 W	33	3	52	0.3	<.1	<1	11			400	<10	27	146	8.60	1300	<1	350	Iron-stained basalt
15351	61 27 08 N	157 57 15 W	38	6	71	0.3	0.1	<1	12			300	25	20	40	7.16	700	<1	55	Felsic volcanic with pyrite
15352	61 27 07 N	157 57 23 W	72	5	34	0.3	0.6	<1	11			2900	927	23	16	10.8	200	<1	17	Rhyolite breccia
15353	61 26 28 N	158 01 02 W	12	3	60	<.01	0.1	<1	26	1			<10	7	5	5.57	500	<1	16	Iron-stained intrusive rock
2919	61 17 23 N	158 11 49 W	24	3	32	0.2	<.1	<1	<1				<10	<10	<10	1.24	1120	<1	19	Quartz-carbonate veins in sandstone
2921	61 23 02 N	157 52 58 W	35	4	42	0.2	<.1	<1	<1				<10	27	166	3.58	733	<1	291	Quartz stockwork in altered dacite
2924	61 23 29 N	158 14 35 W	2	5	16	<.1	0.1	1	6	6	12		24	<1	3	0.54	700	<1	48	Rhyolite with quartz-tourmaline veins
2925	61 23 27 N	158 14 30 W	3	6	5	0.1	<.1	<1	9	7	8		48	<1	3	1.06	100	<1	48	Quartz vein stockwork in rhyolite
2926	61 23 32 N	158 14 13 W	2	5	3	<.1	0.2	<1	8	3	7		35	<1	2	0.37	100	<1	29	Silicified rhyolite with hematite
2927	61 23 38 N	158 14 08 W	7	4	6	<.1	<.1	<1	8	2	9		36	<1	3	0.61	100	<1	51	Rhyolite with quartz vein stockwork
2928	61 24 07 N	158 12 44 W	2	2	2	<.1	<.1	2	6	2	5		<10	<1	4	0.33	100	<1	97	Rhyolite with quartz vein stockwork
2929	61 24 09 N	158 12 31 W	1	4	10	<.1	<.1	2	6	6	4		26	<1	2	0.33	300	<1	39	Tourmalinized rhyolite
2930	61 26 45 N	158 14 55 W	15	4	52	0.2	<.1	<1	<1				<10	22	82	3.94	721	<1	279	Felsic dike rock with pyrite
2981	61 20 15 N	158 59 55 W	68	6	86	<.01	0.1	1	4			690	<10	17	26	7.49	1900	<1	11	Hornfelsed siltstone
2982	61 20 15 N	158 59 55 W	34	7	56	<.01	<.1	<1	10			1900	<10	40	185	8.06	1600	<1	68	Rhyolite dike rock
2983	61 23 51 N	157 58 08 W	13	2	18	<.01	<.1	1	14			>10000	<10	5	21	4.66	800	<1	21	Carbonate altered volcanic with HgS
2985	61 25 06 N	157 54 27 W	13	1	37	<.01	<.1	<1	23			4100	<10	15	25	5.63	1500	<1	38	Felsic dike rock
5315	61 19 15 N	157 54 34 W	38	7	58	0.2	<.1	<1	10			90	<10	18	34	7.07	600	<1	41	Hornfelsed shale
5530	61 18 07 N	158 14 32 W	87	10	106	<.1	0.3	5	<1				<10	<10	34	5.46	247	<1	26	Unaltered sandstone and shale
6951	61 15 53 N	158 00 17 W	13	11	64	0.2	<.1	5	4	2	1	170	<10	6	4	6.67	600	<1	18	Felsic dike rock with pyrite
6960	61 22 14 N	158 10 29 W	43	3	36	0.2	<.1	<1	9	1	2	120	<10	8	21	2.10	400	<1	40	Quartz vein in altered sandstone
6961	61 22 13 N	158 10 34 W	68	3	117	0.2	<.1	3	24	1	1	140	<10	18	52	5.75	1600	<1	73	Quartz vein breccia
6962	61 22 13 N	158 10 34 W	77	3	92	0.2	<.1	5	<1	1	1	200	23	32	64	8.56	2400	<1	160	Iron-stained siltstone
83SB248	61 19 18 N	157 53 44 W	24	6	54	0.4	0.1	<1	11	2			<10	17	34	6.57	600	<1	106	Quartz vein in altered sandstone
83SB251	61 19 39 N	157 53 51 W	17	1	28	0.3	<.1	<1	13	2			566	12	17	6.08	800	<1	40	Quartz-tourmaline vein material
83SB254	61 20 34 N	157 53 42 W	25	24	104	0.3	0.4	4	12			120	12	17	9	5.04	600	2	20	Plagioclase-hornblende dike rock
83SB276	61 17 31 N	158 05 10 W	6	19	120	0.4	0.2	<1	5			850	<10	<1	2	1.42	100	<1	20	Altered aplite

PAN-CONCENTRATE TRACE-ELEMENT CONCENTRATIONS, SLEETMUTE B-6 QUADRANGLE, ALASKA

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Au	Ag	Mo	Sb	W	Sn	Hg(ppb)	As	Co	Ni	Fe(%)	Mn	Cd	Cr
LIMIT OF DETECTION (ppm)			1	1	1	0.1	0.1	1	1	1	1	20(ppb)	10	10	10	10	10	1	10
15301	61 17 26 N	157 59 05 W	26	14	86	<.1	0.2	<1	<1	1	1	100	21	<10	45	2.90	440	<1	108
15304	61 17 01 N	157 57 18 W	59	14	154	<.1	0.1	<1	<1	1	1	210	<10	21	73	4.65	847	<1	54
15306	61 16 33 N	157 55 32 W	55	13	131	<.1	<.1	<1	<1	1	1	110	<10	20	68	5.12	673	<1	54
15312	61 15 45 N	157 53 05 W	42	14	125	<.1	0.1	<1	<1	1	1	700	<10	18	51	5.94	780	<1	33
15322	61 16 51 N	158 05 18 W	65	14	146	<.1	0.1	1	<1	1	1	250	<10	20	65	5.34	986	<1	44
15328	61 17 14 N	158 06 01 W	57	14	108	<.1	<.1	2	11	1	2	100	<10	19	72	4.35	787	<1	69
15329	61 17 17 N	158 06 18 W	56	12	114	<.1	0.1	<1	<1	1	1	340	<10	23	122	5.19	593	<1	96
15332	61 17 58 N	158 06 05 W	50	15	172	<.1	0.1	1	<1	1	1	340	<10	25	61	6.04	1030	<1	32
16423	61 17 18 N	158 11 38 W	69	10	114	<.1	0.1	1	<1	1	2	290	12	22	45	5.86	1390	<1	26
16425	61 17 13 N	158 11 43 W	45	9	93	<.1	0.1	1	<1	1	2	710	57	16	39	4.58	1020	<1	35
16431	61 18 01 N	158 13 07 W	57	9	111	<.1	0.1	1	<1	1	5	520	30	21	44	5.49	2490	<1	21
16435	61 18 33 N	158 12 52 W	43	10	123	<.1	0.1	1	<1	1	1	160	21	27	52	6.73	3770	<1	28
16438	61 19 02 N	158 13 20 W	50	9	115	<.1	<.1	1	<1	1	2	470	30	23	46	6.30	2380	<1	32
16453	61 18 27 N	158 01 50 W	10	4	44	<.1	<.1	1	<1	8	2	80	112	<10	22	2.05	182	<1	76
16455	61 19 12 N	158 02 21 W	13	5	51	<.1	0.1	1	<1	1	1	50	34	<10	22	2.22	718	<1	79
16458	61 21 14 N	158 04 56 W	6	4	30	<.1	0.1	<1	<1	1	1	1600	26	<10	15	1.63	292	<1	85
16462	61 21 38 N	158 10 37 W	32	6	73	<.1	0.1	<1	<1	1	2	1800	31	15	46	3.94	895	<1	72
16464	61 21 40 N	158 10 30 W	17	6	49	<.1	<.1	<1	<1	2	3	>10000	73	<10	27	2.76	578	<1	74
16465	61 21 59 N	158 11 36 W	28	7	65	<.1	<.1	1	<1	1	1	480	40	13	42	3.62	757	<1	68
16467	61 22 00 N	158 11 30 W	42	6	82	<.1	<.1	1	<1	1	2	7000	<10	17	43	4.60	840	<1	56
16572	61 26 09 N	157 52 37 W	15	5	57	<.1	<.1	2	<1	2	7	1400	<10	11	32	3.63	694	<1	111
16577	61 27 15 N	157 52 50 W	15	6	58	<.1	<.1	1	<1	1	12	2300	<10	12	32	3.30	704	<1	77
16579	61 27 37 N	157 52 40 W	33	17	101	<.1	<.1	1	<1	1	2	880	26	25	54	6.41	1330	<1	62
16602	61 21 49 N	158 03 69 W	14	2	34	<.1	<.1	<1	<1	1	3	>10000	<10	<10	29	2.29	382	<1	137
16604	61 22 29 N	158 03 57 W	67	28	171	<.1	0.5	2	<1	1	2	>10000	<10	22	52	7.40	736	<1	42
16606	61 22 27 N	158 04 23 W	28	12	66	<.1	<.1	<1	5	1	1	>10000	<10	11	26	3.61	407	<1	66
16608	61 21 47 N	158 04 55 W	24	5	49	<.1	<.1	<1	<1	1	1	>10000	32	<10	23	2.86	513	<1	66
16610	61 27 57 N	158 10 28 W	38	13	112	<.1	<.1	2	<1	1	1	5000	27	23	55	7.6	1120	<1	42
16612	61 28 21 N	158 12 10 W	39	13	105	<.1	<.1	2	<1	1	2	1800	39	21	50	7.54	1120	<1	58
16616	61 29 12 N	158 12 38 W	33	12	94	<.1	<.1	2	<1	1	1	>10000	19	19	46	6.03	923	<1	64
16623	61 15 09 N	157 57 18 W	56	16	130	<.1	<.1	1	<1	1	2	520	11	18	61	4.38	564	<1	60
16627	61 15 02 N	157 55 46 W	47	13	128	<.1	<.1	1	<1	1	2	700	9	16	60	4.44	549	<1	51
16629	61 15 15 N	157 55 53 W	41	12	114	<.1	<.1	1	<1	1	2	650	11	17	56	4.22	796	<1	41
16631	61 26 51 N	158 14 37 W	15	10	67	<.1	0.8	<1	8	1	1	>10000	<10	13	45	4.31	775	<1	43
16634	61 26 39 N	158 12 43 W	25	11	86	<.1	1.0	<1	9	1	1	2000	<10	15	50	5.29	921	<1	47
16636	61 19 09 N	157 56 35 W	43	15	122	<.1	1.2	<1	12	1	1	700	<10	20	64	5.59	1190	<1	35
16638	61 20 36 N	157 57 54 W	49	17	124	<.1	1.2	<1	10	1	2	1000	<10	17	63	5.48	751	<1	29
16662	61 26 51 N	158 12 59 W	27	12	104	<.1	0.9	<1	9	1	2	4000	<10	21	57	7.07	929	<1	38
16697	61 28 12 N	157 59 18 W	29	18	102	<.1	0.9	<1	<1	1	1	5600	46	24	46	5.82	1370	<1	60
16699	61 26 54 N	157 58 50 W	36	21	94	<.1	0.4	<1	<1	1	1	930	18	22	44	5.65	1070	<1	103
18753	61 18 18 N	158 09 14 W	31	9	65	<.1	<.1	1	<1	1	3	150	105	15	50	3.45	914	<1	90
18757	61 19 02 N	158 09 33 W	23	7	51	<.1	<.1	1	<1	1	2	760	70	11	42	3.00	601	<1	104
18762	61 19 44 N	158 09 50 W	27	6	56	<.1	<.1	1	<1	1	2	160	76	13	46	3.35	689	<1	100
18766	61 20 52 N	158 09 49 W	24	7	51	<.1	0.1	2	1	2	17	2200	55	<10	38	3.46	789	<1	101
18770	61 19 54 N	157 55 26 W	52	12	113	<.1	<.1	1	3	1	1	150	35	20	56	5.57	763	<1	45
18772	61 20 12 N	157 55 43 W	58	14	126	<.1	<.1	1	<1	1	1	370	39	23	66	6.31	765	<1	49
18775	61 20 52 N	157 55 52 W	51	10	110	<.1	<.1	2	<1	1	1	120	19	17	62	5.36	636	<1	61
18777	61 20 53 N	157 56 02 W	52	11	112	<.1	<.1	1	<1	1	1	140	20	19	60	5.73	669	<1	49
18783	61 21 42 N	157 56 53 W	49	10	119	<.1	<.1	1	<1	1	1	140	19	19	59	5.63	672	<1	52
18817	61 21 53 N	158 04 00 W	24	14	84	<.1	<.1	1	8	7	2	>10000	19	12	38	3.28	494	<1	84
18820	61 22 14 N	158 03 28 W	22	25	170	<.1	0.1	2	6	3	2	>10000	53	<10	24	3.02	510	<1	85
18822	61 22 17 N	158 04 46 W	36	13	102	<.1	<.1	2	<1	1	1	>10000	<10	13	30	4.15	496	<1	39
18823	61 22 22 N	158 05 20 W	46	68	113	<.1	0.2	3	<1	1	1	>10000	<10	16	33	4.74	607	<1	38
18826	61 26 33 N	158 04 18 W	30	9	61	<.1	<.1	2	<1	1	1	350	<10	16	65	3.31	738	<1	61
18830	61 25 34 N	158 02 25 W	28	8	49	<.1	<.1	2	<1	1	1	2000	<10	16	71	3.29	763	<1	93
18833	61 15 56 N	157 55 27 W	47	15	123	<.1	<.1	2	<1	1	1	1200	<10	17	52	5.09	808	<1	44
18838	61 15 29 N	157 54 48 W	16	8	101	<.1	<.1	<1	<1	1	1	1400	<10	16	42	4.49	1670	<1	53
18842	61 25 51 N	158 06 57 W	52	17	100	<.1	1.2	<1	14	1	1	1600	<10	21	53	5.06	575	<1	41
18844	61 26 00 N	158 07 10 W	45	18	100	<.1	1.3	<1	12	1	1	>10000	<10	24	60	5.55	996	<1	55
18847	61 20 29 N	157 58 44 W	47	14	121	<.1	1.1	<1	10	1	1	2400	<10	20	63	4.75	751	<1	61
18901	61 27 32 N	157 55 11 W	36	20	108	0.1	0.1	3	2	1	1	260	24	16	42	4.95	694	<1	59
18903	61 27 43 N	157 58 50 W	14	11	46	0.1	0.3	1	6	1	1	350	59	10	21	3.35	556	<1	58
18907	61 29 22 N	158 06 15 W	27	14	78	<.1	<.1	1	128	1	1	330	74	22	37	6.15	1050	<1	49
18909	61 23 35 N	158 12 39 W	46	13	103	0.1	<.1	2	1	1	1	190	55	19	44	5.68	900	<1	62
18964	61 15 05 N	158 04 31 W	40	12	83	<.1	0.1	2	2	1	1	260	11	14	56	3.84	392	<1	120
18990	61 24 47 N	158 08 32 W	22	2	41		<.1	1	<1	1	1	70	<10	21	91	3.61	623	<1	130
18992	61 23 39 N	158 05 47 W	69	7	93	<.1	<.1	2	<1	1	1	270	<10	19	40	5.56	613	<1	37
18994	61 29 12 N	157 55 00 W	25	9	85	<.1	<.1	2	<1	1	1	230	<10	18	40	5.30	613	<1	66
18996	61 27 49 N	158 08 40 W	28	12	85	<.1	<.1	2	<1	1	1	260	<10	21	38	6.40	1240	<1	44
23051	61 18 52 N	157 52 59 W	8	5	47	<.1	<.1	2	3	1	1	80	<10	<10	11	2.41	284	<1	39
23055	61 18 32 N	157 54 31 W	61	13	125	<.1	<.1	1	3	1	1	50	<10	20	63	5.65	617	<1	34
23059	61 17 44 N	157 54 44 W	28	9	76	<.1	<.1	1	4	1	1	50	35	11	34	3.49	491	<1	41
23062	61 17 32 N	157 54 08 W	59	12	151	<.1	<.1	1	1	1	1	50	<10	18	69	5.40	839	<1	42
23101	61 18 18 N	158 14 12 W	28	9	86	<.1	0.1	2	<1	1	4	120	27	21	36	6.28	2020	<1	29
23105	61 19 22 N	158 14 52 W	25	6	85	<.1	0.2	3	<1	1	1	140	11	17	32	5.52	1290	<1	24
23107	61 15 44 N	158 10 48 W	63	22	150	<.1	0.2	2	2	1	1	1400	30	30	81	6.55	852	<1	26
23109	61 15 44 N	158 10 53 W	59	17	156	<.1	0.2	3	<1	1	2	540	16	26	74	6.54	588	<1	32
23111	61 15 49 N	158 11 09 W	61	16	161	<.1	0.2	2	<1	1	1	410	<10	24	69	6.42	532	<1	25
23114	61 20 12 N	158 00 10 W	11	5	86	<.1	0.1	1	<1	1	1	100	<10	14	36	5.59	779	<1	60
23118	61 20 58 N	157 59 34 W	35	8	103	<.1	0.2	1	<1	1	2	3800	<10	17	48	4.99	582	<1	35
23121	61 21 56 N	157 59 51 W	40	7	114	<.1	0.2	3	<1	1	2	>10000	<10	24	74	6.72	1200	<1	50
23124	61 15 46 N	158 04 06 W	15	9	35	<.1	<.1	3	3	1	2	610	25	<10	29	1.96	271	<1	102
23126	61 15 47 N	158 04 19 W	20	7	47	<.1	<.1	1	3	1	1	590	<10	15	44	3.4	463	<1	127
23128	61 16 14 N	159 04 45 W	18	9	45	<.1	<.1	1	<1	1	1	480	14	15	49	3.37	416	<1	119
23130	61 16 24 N	158 04 49 W	21	5	38	<.1	<.1	1	<1	1	2	270	<10	15	49	3.37	402	<1	178
23136	61 25 14 N	157 55 35 W	26	8	60	<.1	<.1	1	<1	1	1	580	<10	23	42	4.86	990	<1	66
23141	61 26 07 N	157 55 54 W	22	8	65	<.1	<.1	1	<1	1	1	1800	<10	19	33	5.18	857	<1	62
23144	61 26 22 N	157 55 57 W	12	6	73	<.1	<.1	1	<1	1	2	2300	50	<10	24	3.23	409	<1	45
23146	61 26 37 N	157 54 58 W	34	20	116	<.1	<.1	2	<1	1	1	250	<10	23	49	6.12	1310	<1	31
23159	61 25 14 N	158 07 40 W	27	8	45	<.1	<.1	2	<1	1	1	390	<10	30	115	4.21	1310	<1	142
23164	61 25 09 N	158 09 39 W	31	8	72	<.1	<.1	2	<1	1	1	500	59	14	55	3.51	632	<1	53
23166	61 15 59 N	157 57 18 W	45	14	127	<.1	<.1	2	<1	1	1	460	<10	17	57	4.13	694	<1	37
23170	61 15 43 N	158 56 01 W	33	10		<.1	<.1	2	<1	1	2	280	<10	14	49	4.39	524	<1	39
23177	61 29 33 N	158 08 24 W	25	12	65	<.1	0.8	<1	12	1	3	3200	14	14	39	3.95	877	<1	44
23179	61 29 18 N	158 09 13 W	24	13	63	<.1	1.2	<1	13	1	1	600	11	11	36	3.07	322	<1	37
23182	61 29 05 N	158 09 42 W	58	17	190	<.1	1.1	<1	15	1	2	300	16	20	76	5.56	812	<1	40
23184	61 19 48 N	157 58 39 W	59	16	138	<.1	1.1	<1	14	1	1	2700	<10	23	73	5.43	885	<1	53
23232	61 24 59 N	158 12 11 W	38	19	190	<.1	0.1	4	8	1	1	170	293	12	30	3.97	2210	<1	63
23289	61 17 39 N	158 04 22 W	58	14	141	<.1	0.1	3	<1	1	1	450	<10	20	53	6.45	551	<1	50
23291	61 16 38 N	158 09 14 W	26	12	291	<.1	<.1	2	1	1	3	470	95	13	41	3.62	693	<1	99
23295	61 15 43 N	158 05 50 W	20	3	62	0.1	<.1	<1	<1	1	1	160	<10	22	68	3.90	503	<1	150
23320	61 22 48 N	158 14 14 W	24	14	112	<.1	0.3	<1	3	1	1	110	67	<10	19	2.84	818	<1	<10
23322	61 23 55 N	158 04 01 W	32	7	60	<.1	0.2	1	<1	1	1	140	<10	23	77	4.01	700	<1	59
23324	61 25 29 N	157 58 22 W	15	5	77	<.1	<.1	1	<1	1	1	>10000	<10	20	33	4.51	787	<1	64
23326	61 28 04 N	158 09 21 W	26	11	175	<.1	<.1	3	1	1	1	>10000	<10	19	40	6.67	805	<1	42
23328	61 27 12 N	158 12 48 W	37	15	133	<.1	<.1	4	1	1	1	600	<10	24	45	6.72	812	<1	23
6492	61 29 58 N	158 04 45 W	22	10	59	<.1	<.1	<1	2	1	1	180	<10	16	32	4.79	578	<1	69
6494	61 22 56 N	158 12 58 W	44	10	100	<.1	0.1	<1	<1	1	1	180	51	15	41	5.10	1080	<1	54
6534	61 18 13 N	158 04 36 W	55	14	120	<.1	<.1	<1	<1	1	1	230	<10	21	62	5.46	884	<1	56
6536	61 16 46 N	158 07 30 W	38	11	76	<.1	<.1	<1	<1	1	1	2200	<10	21	104	4.58	657	<1	172
6538	61 15 23 N	158 12 40 W	51	13	108	<.1	<.1	<1	3	1	1	>10000	166	20	64	5.26	519	<1	74
6567	61 23 38 N	158 08 00 W	24	7	63	<.1	0.1	2	<1	1	2	70	<10	15	41	3.84	1160	<1	74
6569	61 22 48 N	158 03 28 W	27	5	53	<.1	0.1	1	<1	1	1	400	<10	16	42	4.08	786	<1	79
6572	61 27 39 N	158 11 01 W	24	14	81	<.1	<.1	2	<1	1	2	330	<10	20	39	5.88	1580	<1	62
6574	61 25 30 N	158 14 49 W	14	7	57	<.1	<.1	2	<1	1	1	310	<10	13	27	3.92	422	<1	65

MAP SYMBOLS

- • Stream-sediment sample
- $\triangle_{pc}$ Pan-concentrate sample
- □ Rock sample

METHODS OF GEOCHEMICAL ANALYSIS

Lead, gold, silver, molybdenum, antimony, and arsenic were analyzed at the DGGS geochemical laboratory by atomic-absorption spectrophotometry on aqua-regia digestions. Aqua regia efficiently liberates copper (Cu), lead (Pb), zinc (Zn), molybdenum (Mo), antimony (Sb), bismuth (Bi), manganese (Mn), nickel (Ni), cobalt (Co), iron (Fe), and cadmium (Cd) from sulfide and simple oxide minerals.

It provides only partial extraction of chromium (Cr) from chromite and only partial extraction of the above elements from common rock-forming silicate minerals.

Aqua regia also dissolves gold (Au) and silver (Ag). Gold is subsequently determined in trace amounts by extraction into an organic phase for determination by atomic-absorption spectrophotometry. Copper, zinc, cobalt, nickel, iron, manganese, cadmium, and chromium were analyzed at the DGGS geochemical laboratory by inductively coupled plasma atomic-emission spectrophotometry on aqua-regia digestions.

DGGS staff involved in these analyses include M.A. Wiltse, T.A. Benjamin, M.K. Polly, and M.R. Ashwell.

Tin (Sn), tungsten (W), and mercury (Hg) were analyzed by Chemex Labs, Ltd., of Vancouver, B.C., Canada. Tungsten was analyzed by colorimetry; mercury was analyzed by cold-vapor atomic-absorption spectrophotometry; and tin was analyzed by ammonium iodide fusion followed by atomic-absorption spectrophotometry.

STREAM-SEDIMENT TRACE-ELEMENT CONCENTRATIONS, SLEETMUTE B-6 QUADRANGLE, ALASKA

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	Co	Ni	Fe(%)	Mn	Cd	Cr
LIMIT OF DETECTION (ppm)			1	1	1	0.1	0.1	1	1	10	10	10	10	10	1	10
15302	61 17 26 N	157 59 05 W	25	15	77	<.1	0.1	1	<1	<10	<10	31	2.15	398	<1	50
15303	61 17 10 N	157 58 15 W	8	6	30	<.1	<.1	<1	<1	<10	<10	<10	1.03	54	<1	13
15305	61 17 01 N	157 57 18 W	41	11	111	<.1	0.2	2	<1	<10	13	44	3.43	390	<1	20
15307	61 16 33 N	157 55 32 W	32	9	81	<.1	0.1	<1	<1	<10	12	38	3.39	455	<1	23
15308	61 13 68 N	157 55 38 W	37	10	104	<.1	0.2	<1	<1	<10	13	43	3.23	583	<1	25
15309	61 16 29 N	157 54 38 W	36	12	86	<.1	0.1	<1	<1	<10	15	33	4.20	641	<1	16
15310	61 16 18 N	157 54 11 W	29	12	98	<.1	<.1	2	<1	<10	14	27	3.41	1250	<1	18
15311	61 15 45 N	157 53 05 W	33	11	85	<.1	0.2	1	<1	<10	13	30	3.60	533	<1	16
15320	61 16 44 N	158 05 18 W	40	15	93	<.1	0.2	<1	<1	<10	17	39	3.13	916	<1	40
15321	61 16 43 N	158 05 25 W	16	17	37	<.1	0.6	<1	<1	<10	<10	14	.856	685	<1	14
15323	61 16 51 N	158 05 18 W	50	13	97	<.1	0.2	3	<1	<10	17	50	3.93	706	<1	39
15324	61 16 57 N	158 05 35 W	46	13	94	<.1	0.3	1	<1	<10	17	47	3.72	907	<1	39
15325	61 17 07 N	158 05 57 W	35	12	97	<.1	<.1	<1	<1	<10	15	52	3.65	467	<1	72
15326	61 17 08 N	158 05 50 W	42	15	99	<.1	<.1	<1	<1	<10	13	47	3.32	263	<1	39
15327	61 17 14 N	158 05 48 W	32	14	102	<.1	0.3	<1	<1	<10	14	45	3.71	550	<1	35
15330	61 17 12 N	158 06 18 W	44	14	91	<.1	<.1	<1	<1	<10	23	121	4.25	793	<1	109
15331	61 17 23 N	158 06 17 W	34	10	92	<.1	<.1	<1	<1	<10	17	69	3.85	478	<1	63
15333	61 17 58 N	158 06 05 W	40	14	95	<.1	<.1	2	<1	<10	16	44	4.21	575	<1	23
15334	61 17 51 N	158 06 19 W	38	12	104	<.1	<.1	<1	<1	<10	20	72	4.66	1020	<1	61
15335	61 18 16 N	158 06 35 W	31	10	86	<.1	<.1	<1	<1	<10	16	60	4.22	721	<1	49
15339	61 17 24 N	158 06 11 W	43	11	106	<.1	<.1	<1	<1	<10	19	73	4.50	891	<1	69
15340	61 17 26 N	158 06 05 W	39	12	84	<.1	<.1	<1	<1	<10	10	37	2.54	353	<1	31
16424	61 17 18 N	158 11 38 W	34	11	65	<.1	<.1	<1	<1	<10	13	21	3.46	890	<1	12
16426	61 17 13 N	158 11 43 W	16	13	49	<.1	<.1	<1	<1	55	<10	22	2.51	707	<1	40
16427	61 17 28 N	158 11 59 W	27	11	62	<.1	<.1	2	<1	23	12	22	3.31	930	<1	23
16428	61 17 37 N	158 12 13 W	22	7	57	<.1	<.1	1	<1	<10	<10	18	2.88	261	<1	14
16429	61 17 42 N	158 12 23 W	29	9	67	<.1	<.1	2	<1	14	12	22	3.50	788	<1	19
16430	61 18 01 N	158 13 07 W	22	9	61	<.1	<.1	1	<1	17	11	22	3.34	1090	<1	20
16432	61 18 16 N	158 13 08 W	39	10	75	<.1	<.1	3	<1	<10	14	29	4.07	1880	<1	21
16433	61 18 29 N	158 13 00 W	29	8	79	<.1	<.1	1	<1	<10	14	28	4.13	1230	<1	27
16434	61 18 33 N	158 12 52 W	24	6	84	<.1	<.1	3	<1	<10	13	26	4.33	914	<1	16
16436	61 18 48 N	158 13 09 W	22	6	77	<.1	<.1	2	<1	<10	12	25	3.87	630	<1	16
16437	61 19 02 N	158 13 20 W	28	6	75	<.1	<.1	2	<1	<10	15	29	4.01	608	<1	67
16439	61 19 16 N	158 13 26 W	29	7	73	<.1	<.1	2	<1	<10	11	23	3.52	374	<1	20
16440	61 19 34 N	158 13 28 W	26	7	78	<.1	<.1	3	<1	<10	13	26	3.93	760	<1	23
16451	61 17 47 N	158 01 38 W	18	13	42	<.1	<.1	3	<1	142	<10	24	3.21	552	<1	55
16452	61 18 27 N	158 01 50 W	14	9	74	<.1	<.1	4	<1	205	<10	27	2.48	136	<1	50
16454	61 19 12 N	158 02 21 W	12	9	57	<.1	<.1	3	<1	35	<10	25	3.24	1050	<1	37
16456	61 20 10 N	158 03 34 W	11	6	20	<.1	<.1	2	<1	61	<10	16	2.67	387	<1	27
16457	61 21 14 N	158 04 56 W	11	9	54	<.1	<.1	2	<1	34	<10	19	2.92	647	<1	27
16459	61 21 33 N	158 07 03 W	16	9	55	1.4	<.1	2	<1	98	<10	23	2.84	629	<1	33
16460	61 21 39 N	158 09 11 W	28	9	46	<.1	<.1	4	<1	59	<10	20	2.46	424	<1	33
16461	61 21 38 N	158 10 37 W	29	8	68	<.1	<.1	2	<1	27	13	33	3.55	675	<1	51
16463	61 21 40 N	158 10 30 W	15	7	52	<.1	<.1	4	<1	114	<10	22	3.16	256	<1	36
16466	61 21 59 N	158 11 36 W	33	9	74	<.1	<.1	3	<1	39	14	36	3.72	870	<1	47
16468	61 22 00 N	158 11 30 W	31	7	74	<.1	<.1	2	<1	<10	13	33	4.15	554	<1	43
16551	61 20 01 N	158 13 19 W	26	6	74	<.1	<.1	3	<1	<10	12	24	3.94	770	<1	17
16552	61 20 22 N	158 13 02 W	17	5	70	<.1	<.1	2	<1	<10	12	23	4.01	594	<1	20
16573	61 26 09 N	157 52 37 W	20	8	80	<.1	<.1	1	<1	<10	15	46	2.99	481	<1	55
16574	61 26 22 N	157 52 49 W	19	8	81	<.1	<.1	2	<1	<10	15	45	3.30	704	<1	53
16575	61 26 42 N	157 52 53 W	53	9	92	<.1	<.1	<1	<1	<10	16	63	3.31	504	<1	70
16576	61 26 59 N	157 52 48 W	22	7	71	<.1	<.1	<1	<1	<10	15	66	3.33	510	<1	78
16578	61 27 15 N	157 52 50 W	21	8	73	<.1	<.1	<1	<1	<10	15	69	3.35	438	<1	76
16580	61 27 37 N	157 52 41 W	26	13	78	<.1	<.1	<1	<1	<10	14	62	3.61	398	<1	58
16581	61 27 31 N	157 52 57 W	22	9	74	<.1	<.1	<1	<1	<10	15	66	3.43	438	<1	70
16603	61 21 49 N	158 03 59 W	33	8	46	<.1	<.1	<1	<1	<10	11	30	2.29	524	<1	48
16605	61 22 29 N	158 03 57 W	54	25	106	<.1	0.3	<1	<1	<10	19	44	4.92	836	<1	32
16607	61 22 27 N	158 04 23 W	46	42	110	<.1	0.3	<1	<1	<10	26	43	5.36	1040	<1	64
16609	61 21 47 N	158 04 55 W	20	7	28	<.1	<.1	<1	<1	<10	<10	15	2.33	265	<1	28
16611	61 27 57 N	158 10 28 W	32	13	86	<.1	<.1	<1	<1	<10	16	43	3.88	241	<1	27
16613	61 28 21 N	158 12 10 W	27	11	80	<.1	<.1	<1	<1	<10	15	40	4.05	542	<1	28
16617	61 29 12 N	158 12 38 W	25	10	74	<.1	<.1	<1	<1	<10	13	38	3.59	467	<1	26
16620	61 15 15 N	157 55 53 W	26	12	47	<.1	<.1	1	<1	<10	<10	42	2.48	215	<1	34
16624	61 15 09 N	157 57 18 W	46	17	104	<.1	0.3	1	<1	<10	16	64	3.31	602	<1	39
16625	61 15 00 N	157 57 00 W	42	15	103	<.1	0.1	<1	<1	<10	14	63	3.47	506	<1	36
16626	61 15 02 N	157 56 18 W	38	15	97	<.1	0.1	2	<1	<10	12	59	3.28	439	<1	51
16628	61 15 02 N	157 55 46 W	34	10	87	<.1	<.1	2	<1	<10	12	55	2.95	399	<1	37
16630	61 15 15 N	157 55 53 W	32	14	83	<.1	0.1	<1	<1	<10	13	57	3.07	430	<1	35
16632	61 26 51 N	158 12 59 W	23	11	70	<.1	0.1	<1	<1	<10	12	32	3.58	446	<1	13
16633	61 26 39 N	158 12 12 W	17	8	61	<.1	<.1	<1	<1	<10	11	27	3.47	354	<1	16
16635	61 26 39 N	158 12 43 W	16	7	61	<.1	<.1	<1	<1	<10	11	27	3.36	396	<1	14
16637	61 19 09 N	157 56 35 W	25	11	78	<.1	0.1	1	<1	<10	11	32	3.26	799	<1	23
16639	61 20 36 N	157 57 54 W	39	14	100	<.1	0.2	1	<1	<10	14	44	3.60	385	<1	18
16659	61 26 51 N	158 14 37 W	23	13	78	<.1	<.1	<1	<1	<10	14	44	4.15	874	<1	38
16660	61 26 47 N	158 13 55 W	28	11	73	<.1	<.1	1	<1	<10	13	34	3.65	456	<1	18
16661	61 26 46 N	158 13 25 W	29	10	83	<.1	0.1	1	<1	<10	14	37	4.21	423	<1	11
16698	61 28 12 N	157 59 19 W	19	17	73	<.1	0.1	2	3	14	11	27	3.04	409	<1	17
18752	61 18 18 N	158 09 14 W	26	11	75	<.1	<.1	2	<1	92	14	46	3.32	1150	<1	<10
18754	61 18 38 N	158 09 27 W	36	13	79	<.1	<.1	3	<1	87	16	45	3.53	843	<1	68
18755	61 18 45 N	158 09 33 W	37	13	81	0.1	<.1	3	<1	103	19	47	4.08	1340	<1	65
18756	61 18 47 N	158 09 32 W	34	10	66	<.1	<.1	4	<1	20	14	36	3.05	730	<1	53
18758	61 19 06 N	158 09 37 W	33	11	73	<.1	<.1	3	<1	42	16	42	3.47	899	<1	58
18759	61 19 25 N	158 09 41 W	32	11	71	<.1	<.1	3	<1	32	14	39	3.24	833	<1	57
18760	61 19 32 N	158 09 54 W	30	8	68	<.1	<.1	3	<1	45	14	39	3.35	825	<1	61
18761	61 19 44 N	158 09 50 W	28	8	58	<.1	<.1	2	<1	31	13	34	2.97	684	<1	47
18763	61 20 00 N	158 09 56 W	36	11	77	<.1	<.1	3	<1	55	17	44	3.95	1010	<1	59
18764	61 20 13 N	158 10 01 W	33	10	73	<.1	<.1	2	<1	53	16	41	3.66	939	<1	53
18765	61 20 32 N	158 09 49 W	34	9	66	<.1	<.1	2	<1	22	14	35	3.20	762	<1	41
18767	61 20 54 N	158 09 42 W	31	9	69	<.1	<.1	1	<1	34	14	36	3.47	705	<1	47
18768	61 20 58 N	158 09 29 W	35	9	90	<.1	<.1	2	<1	<10	14	36	4.01	758	<1	32
18769	61 19 54 N	157 55 26 W	66	24	114	<.1	0.2	<1	<1	64	23	49	3.82	383	<1	37
18771	61 20 12 N	157 55 43 W	52	20	94	<.1	0.1	2	<1	59	23	47	4.06	632	<1	31
18773	61 20 23 N	157 55 50 W	53	19	112	<.1	<.1	<1	<1	23	23	50	4.63	954	<1	24
18774	61 20 39 N	157 56 01 W	42	16	104	<.1	<.1	2	<1	<10	19	45	5.04	835	<1	26
18776	61 20 53 N	157 56 02 W	43	14	94	<.1	<.1	3	<1	17	19	46	4.36	674	<1	42
18778	61 21 12 N	157 55 50 W	36	15	105	<.1	<.1	<1	<1	<10	17	39	4.78	722	<1	18
18779	61 21 08 N	157 56 01 W	41	12	94	<.1	<.1	2	<1	<10	17	45	4.24	583	<1	41
18780	61 21 20 N	157 56 22 W	35	13	87	<.1	<.1	1	<1	<10	16	40	3.87	468	<1	31
18781	61 21 29 N	157 56 44 W	33	11	91	<.1	0.1	2	<1	<10	15	41	4.12	536	<1	26
18782	61 21 42 N	157 56 53 W	33	12	88	<.1	<.1	3	<1	<10	15	39	3.80	445	<1	29
18784	61 22 00 N	157 57 03 W	33	11	88	<.1	<.1	2	<1	<10	16	42	4.14	602	<1	30
18785	61 22 12 N	157 57 48 W	32	11	96	<.1	<.1	2	<1	<10	17	44	4.5	697	<1	28
18790	61 15 16 N	158 01 04 W	81	94	110	<.1	0.7	3	8	432	16	58	3.46	633	<1	113
18791	61 15 18 N	158 02 03 W	110	161	132	<.1	1.2	1	139	1420	18	68	4.16	519	<1	140
18818	61 21 53 N	158 04 00 W	35	18	53	<.1	0.2	<1	<1	31	<10	33	3.19	200	<1	41
18819	61 22 14 N	158 03 28 W	29	28	181	<.1	0.1	<1	<1	56	13	35	3.41	542	<1	43
18821	61 22 17 N	158 04 46 W	48	13	102	<.1	<.1	<1	<1	<10	15	40	4.43	469	<1	29
18824	61 22 22 N	158 05 20 W	61	10	99	<.1	0.3	<1	<1	<10	21	53	8.33	616	<1	31
18825	61 25 33 N	158 04 18 W	40	11	62	<.1	<.1	<1	<1	<10	20	88	3.90	842	<1	53
18827	61 25 42 N	158 03 51 W	35	10	59	<.1	<.1	<1	<1	<10	22	109	4.23	834	<1	83
18828	61 25 35 N	158 02 56 W	33	10	57	<.1	<.1	<1	<1	<10	21	99	3.92	910	<1	74
18829	61 25 34 N	158 02 25 W	29	8	41	<.1	<.1	1	<1	<10	12	81	2.89	295	<1	84
18831	61 25 37 N	158 01 29 W	30	9	50	<.1	<.1	<1	<1	<10	18	87	3.56	862	<1	85
18832	61 15 56 N	157 55 27 W	49	17	112	<.1	<.1	2	<1	<10	16	48	4.43	1050	<1	28
18834	61 15 53 N	157 55 13 W	61	10	99	<.1	0.3	<1	<1	<10	21	53	5.33	616	<1	31
18835	61 15 49 N	157 55 02 W	33	14	96	0.8	<.1	2	<1	<10	15	42	4.31	701	<1	23
18836	61 15 38 N	157 54 52 W	29	11	96	<.1	<.1	1	<1	<10	16	46	5.01	976	<1	27
18837	61 15 29 N	157 54 48 W	21	12	60	<.1	0.1	1	<1	<10	<10	33	2.54	248	<1	22
18839	61 25 58 N	158 06 31 W	29	7	56	<.1	<.1	<1	<1	<10	20	116	4.14	588	<1	149
18840	61 25 57 N	158 06 57 W	25	7	51	<.1	<.1	<1	<1	<10	18	97	3.76	734	<1	126
18841	61 25 51 N	158 06 57 W	22	11	52	<.1	<.1	1	<1	<10	<10	27	3.20	229	<1	23
18843	61 26 00 N	158 07 10 W	33	13	93	<.1	<.1	<1	<1	<10	16	27	4.84	607	<1	44
18845	61 26 08 N	158 07 25 W	30	13	78	<.1	<.1	1	<1	<10	17	52	4.53	1370	<1	46
18846	61 20 29 N	157 58 44 W	36	15	95	<.1	0.2	<1	<1	<10	13	45	3.51	353	<1	26
18900	61 27 32 N	157 55 11 W	35	20	74	<.1	0.7	7	5	27	11	35	3.46	519	<1	36
18902	61 27 43 N	157 58 50 W	22	9	65	<.1	0.2	<1	<1	56	13	32	4.00	649	<1	44
18904	61 27 25 N	157 59 19 W	28	6	65	<.1	0.1	<1	<1	<10	18	69	3.90	1640	<1	100
18906	61 29 22 N	158 06 15 W	28	8	67	<.1	<.1	<1	16	20	14	35	4.06	520	<1	26
18908	61 23 35 N	158 12 39 W	34	8	78	<.1	0.3	<1	<1	39	10	31	3.32	507	<1	23
18963	61 15 03 N	158 04 31 W	60	16	109	<.1	<.1	1	12	21	26	80	5.36	617	<1	97
18989	61 24 47 N	158 08 32 W	31	16	58	<.1	<.1	<1	<1	<10	29	135	4.48	806	<1	177
18991	61 23 39 N	158 05 47 W	65	17	104	<.1	0.1	3	<1	10	27	50	5.25	1740	<1	34
18993	61 29 12 N	157 55 00 W	21	16	81	<.1	0.1	<1	<1	11	13	33	3.71	390	<1	24
18995	61 27 49 N	158 08 40 W	22	16	81	<.1	0.1	<1	1	<10	12	30	3.45	426	<1	19
23052	61 18 52 N	157 52 59 W	9	12	40	<.1	<.1	2	<1	<10	<10	<10	2.00	189	<1	18
23053	61 18 53 N	157 53 27 W	120	29	108	<.1	0.2	3	<1	190	14	49	4.95	293	<1	47
23054	61 18 52 N	157 53 44 W	86	23	102	<.1	0.3	5	<1	62	18	31	3.31	470	<1	25
23056	61 18 32 N	157 54 31 W	21	19	43	<.1	<.1	4	<1	<10	<10	17	4.41	283	<1	21
23057	61 18 19 N	157 54 31 W	35	22	66	<.1	<.1	2	<1	<10	13	28	3.93	368	<1	23
23058	61 18 02 N	157 54 32 W	9	8	15	<.1	<.1	2	<1	<10	<10	<10	1.48	78	<1	<10
23060	61 17 44 N	157 57 44 W	27	17	68	<.1	<.1	4	<1	58	14	22	3.10	531	<1	29
23061	61 17 26 N	157 54 10 W	11	9	15	<.1	<.1	2	<1	<10	<10	10	1.18	77	<1	10
23098	61 18 00 N	158 14 14 W	37	10	78	<.1	0.3	<1	11	<10	12	43	2.74	2610	<1	38
23099	61 18 02 N	158 14 09 W	19	7	68	<.1	0.1	2	12	<10	12	26	3.71	1440	<1	31
23100	61 18 18 N	158 14 12 W	20	8	72	<.1	0.2	1	15	<10	12	28	3.68	1140	<1	31
23102	61 18 23 N	158 14 08 W	26	6	86	<.1	0.2	1	16	<10	12	29	4.18	603	<1	21
23103	61 18 48 N	158 14 00 W	37	7	63	<.1	0.3	1	17	<10	<10	20	2.10	92	<1	10
23104	61 19 07 N	158 14 07 W	42	7	86	<.1	0.3	2	16	<10	12	31	3.87	440	<1	13
23106	61 19 22 N	158 14 52 W	22	6	84	<.1	0.2	2	15	<10	12	27	4.40	707	<1	19
23108	61 15 44 N	158 10 48 W	53	17	122	<.1	0.2	2	15	<10	23	64	5.32	746	<1	29
23110	61 15 44 N	158 10 53 W	33	11	84	<.1	0.2	2	15	<10	12	37	3.18	330	<1	22
23112	61 15 47 N	158 11 09 W	51	16	128	<.1	0.3	2	15	<10	19	53	4.99	547	<1	25
23113	61 20 14 N	158 00 14 W	13	9	25	<.1	0.2	2	15	97	<10	18	6.83	130	<1	27
23115	61 20 12 N	158 00 10 W	13	6	65	<.1	0.2	2	15	<10	11	24	5.25	193	<1	39
23116	61 20 26 N	158 00 06 W	18	7	65	<.1	0.2	1	16	<10	11	27	4.92	881	<1	30
23117	61 20 40 N	157 59 49 W	15	7	74	<.1	0.2	2	15	<10	16	28	8.79	678	<1	31
23119	61 20 58 N	157 59 34 W	29	10	94	<.1	<.1	<1	3	<10	13	37	3.74	269	<1	27
23120	61 21 20 N	157 59 31 W	36	10	94	<.1	<.1	<1	3	<10	13	37	3.74	272	<1	41
23122	61 21 56 N	157 59 51 W	33	9	87	<.1	<.1	<1	<1	<10	21	58	3.94	416	<1	53
23123	61 22 13 N	158 00 19 W	37	10	99	<.1	<.1	<1	<1	<10	17	52	4.63	477	<1	51
23125	61 15 46 N	158 04 06 W	38	19	72	<.1	<.1	1	4	88	19	69	4.09	699	<1	134
23127	61 15 47 N	158 04 19 W	32	14	61	<.1	<.1	<1	<1	23	19	69	4.07	569	<1	140
23129	61 16 14 N	158 04 45 W	31	15	51	<.1	<.1	2	<1	31	13	52	3.48	356	<1	89
23131	61 16 24 N	158 04 49 W	40	13	56	<.1	0.1	<1	<1	12	23	77	4.10	506	<1	146
23132	61 16 42 N	158 04 53 W	52	16	92	<.1	0.1	2	<1	<10	20	60	4.15	643	<1	49
23133	61 17 02 N	158 04 59 W	31	12	61	<.1	<.1	<1	<1	15	18	66	3.75	608	<1	115
23134	61 25 15 N	157 55 28 W	22	7	42	<.1	<.1	<1	<1	<10	14	43	3.45	513	<1	65
23135	61 25 14 N	157 55 35 W	18	6	51	<.1	<.1	<1	<1	<10	<10	33	1.77	317	<1	36
23137	61 25 24 N	157 55 29 W	23	8	63	<.1	<.1	<1	<1	<10	<10	33	2.28	674	<1	53
23138	61 25 25 N	157 55 44 W	23	8	44	<.1	<.1	<1	<1	19	11	42	3.05	523	<1	65
23139	61 25 34 N	157 55 40 W	22	8	60	<.1	<.1	<1	<1	12	<10	29	2.93	435	<1	72
23140	61 25 48 N	157 55 49 W	23	8	197	<.1	<.1	<1	<1	42	13	224	1.16	770	<1	210
23142	61 26 07 N	157 55 54 W	22	8	55	<.1	<.1	<1	<1	<10	15	34	3.81	632	<1	62
23143	61 26 22 N	157 55 57 W	23	11	78	<.1	<.1	<1	<1	158	11	30	4.07	311	<1	30
23145	61 26 21 N	157 55 30 W	25	10	108	<.1	<.1	<1	<1	12	16	40	3.95	508	<1	38
23147	61 26 37 N	157 54 58 W	27	11	70	<.1	<.1	<1	<1	<10	12	36	3.26	411	<1	25
23160	61 25 14 N	158 07 40 W	31	7	53	<.1	<.1	<1	<1	<10	20	127	3.75	532	<1	122
23161	61 25 21 N	158 06 11 W	27	7	56	<.1	<.1	<1	<1	<10	17	106	3.50	412	<1	135
23162	61 25 24 N	158 08 48 W	27	4	55	<.1	0.1	<1	<1	<10	17	91	3.44	494	<1	125
23163	61 25 18 N	158 09 13 W	6	2	14	<.1	<.1	1	<1	<10	<10	<10	1.18	154	<1	<10
23165	61 25 09 N	158 09 29 W	44	9	144	<.1	<.1	2	<1	124	19	60	4.80	1050	<1	42
23167	61 15 59 N	157 57 18 W	40	13	150	<.1	0.3	1	<1	<10	14	48	3.29	506	<1	32
23168	61 15 44 N	157 57 01 W	29	14	108	<.1	<.1	1	<1	12	11	43	3.25	363	<1	30
23169	61 15 33 N	157 56 49 W	26	11	70	<.1	0.2	2	<1	<10	<10	36	2.68	159	<1	26
23171	61 15 43 N	157 56 01 W	29	11	95	<.1	0.1	<1	<1	<10	12	38	3.17	610	<1	24
23172	61 15 44 N	157 55 51 W	24	12	71	<.1	<.1	<1	<1	<10	10	31	3.51	299	<1	22
23173	61 15 36 N	157 55 33 W	5	4	9	<.1	<.1	<1	<1	<10	<10	<10	2.52	70	<1	<10
23174	61 15 29 N	157 55 39 W	26	13	62	<.1	0.1	<1	<1	<10	<10	35	2.87	185	<1	25
23175	61 29 42 N	158 07 52 W	21	17	53	<.1	0.9	<1	12	<10	<10	31	2.84	126	<1	14
23176	61 29 33 N	158 08 08 W	12	11	34	<.1	0.8	<1	18	<10	<10	22	2.12	87	<1	<10
23178	61 29 33 N	158 08 24 W	22	13	73	<.1	0.9	<1	16	<10	11	39	3.79	446	<1	14
23180	61 29 18 N	158 09 13 W	16	11	73	<.1	0.9	<1	12	<10	11	35	4.15	478	<1	17
23181	61 29 08 N	158 09 31 W	21	14	69	<.1	1.0	<1	13	<10	<10	36	2.68	240	<1	<10
23183	61 29 05 N	158 09 42 W	30	16	109	<.1	1.1	<1	14	<10	<10	53	2.64	462	<1	13
23185	61 19 48 N	157 58 39 W	41	18	104	<.1	1.0	<1	15	<10	17	53	4.11	654	<1	16
23186	61 19 50 N	157 58 32 W	32	18	88	<.1	1.0	<1	13	<10	10	43	4.11	218	<1	11
23230	61 27 33 N	158 00 05 W	17	6	73	<.1	<.1	<1	<1	<10	12	35	3.50	585	<1	41
23231	61 28 48 N	158 05 51 W	21	7	72	<.1	0.1	<1	3	19	10	26	4.68	165	<1	32
23233	61 24 59 N	158 12 11 W	18	8	55	<.1	0.3	<1	<1	202	<10	12	2.08	873	<1	17
23290	61 17 39 N	158 04 22 W	38	9	81	<.1	0.1	1	<1	<10	15	47	4.02	476	<1	103
23292	61 16 38 N	158 09 14 W	32	13	109	<.1	0.1	1	<1	<10	18	45	4.31	490	<1	64
23296	61 15 43 N	158 05 50 W	19	5	47	<.1	0.1	<1	1	<10	18	67	3.46	308	<1	202
23321	61 22 48 N	158 14 14 W	65	11	245	<.1	0.1	<1	5	75	23	56	5.20	2480	<1	23
23323	61 23 55 N	158 04 01 W	52	4	77	<.1	<.1	<1	<1	<10	26	155	4.79	780	<1	125
23325	61 25 29 N	157 58 22 W	27	6	90	<.1	<.1	<1	<1	<10	20	53	4.69	935	<1	91
23327	61 28 04 N	158 09 21 W	31	8	107	<.1	0.1	<1	<1	<10	20	51	4.84	857	<1	40
23329	61 27 12 N	158 12 48 W	44	10	105	<.1	0.2	<1	<1	<10	18	56	4.50	591	<1	33
6491	61 26 54 N	157 58 50 W	33	23	72	<.1	0.1	2	1	122	16	28	3.69	565	<1	75
6493	61 29 58 N	158 04 45 W	23	18	71	<.1	0.1	2	<1	<10	11	28	3.22	458	<1	22
6495	61 22 56 N	158 12 58 W	17	17	55	<.1	0.2	2	1	54	5	15	2.11	215	<1	13
6535	61 18 13 N	158 04 36 W	42	18	102	<.1	0.1	7	<1	<10	18	53	3.90	783	<1	80
6537	61 16 46 N	158 07 30 W		16		<.1	<.1	5	<1	<10						
6539	61 15 23 N	158 12 40 W	51	26	117	<.1	0.5	8	10	258	23	64	4.79	606	<1	90
6568	61 23 38 N	158 08 00 W	17	9	40	<.1	<.1	<1	<1	<10	<10	22	2.07	381	<1	53
6570	61 22 48 N	158 03 28 W	27	12	65	<.1	<.1	<1	<1	23	13	46	3.20	365	<1	61
6571	61 29 37 N	158 00 58 W	22	15	81	<.1	<.1	<1	<1	<10	13	32	3.47	537	<1	33
6573	61 27 39 N	158 11 01 W	15	14	69	<.1	<.1	<1	<1	13	10	24	3.06	519	<1	23
6575	61 25 30 N	158 14 49 W	24	17	85	<.1	<.1	<1	<1	<10	15	33	4.23	1170	<1	28

ROCK, PAN-CONCENTRATE, AND STREAM-SEDIMENT GEOCHEMISTRY, SLEETMUTE B-6 QUADRANGLE, ALASKA

by
M.S. Robinson

1984