UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

FINAL RESULTS AND STATISTICAL SUMMARY OF ANALYSES OF GEOCHEMICAL SAMPLES FROM THE MEDFRA QUADRANGLE, ALASKA

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Open-File Report 80-811 F

1980

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Introduction

A geochemical survey was done in the Medfra quadrangle, west-central Alaska during 1978 and 1979 as part of the Alaska Mineral Resource Assessment Program (AMRAP). This report presents analytical data (tables 6-9) and statistical summaries of the analytical data (tables 1-4) from this survey. Analytical results for part of the samples collected during 1978 were previously published (King and others, 1979) and are included in this report.

This report includes analytical and statistical data for 513 <0.177 mm (minus-80 mesh) stream-sediment samples, 370 nonmagnetic heavy-mineral concentrate samples, 422 moderately magnetic heavy-mineral concentrate samples, and 355 samples of ash of aquatic bryophytes (mosses).

Samples were collected from a total of 517 sites. Access to sample sites was gained by use of a helicopter. Sample site locations are shown on plate 1.

Sampling and description of sample media

The quadrangle is, in large part, covered by dense vegetation, particularly along the streams. The availability of helicopter landing sites often determined at what point along the stream the samples would be taken. Most of the samples were taken from channels of active streams with upstream catchment areas averaging about nine km^2. Samples were taken from first or second order streams whenever possible. Larger, or third order, streams were sampled when landing sites along first or second order tributary streams were not available.

Minus-2-mm stream sediment was collected for the stream sediment samples by wet sieving at the sample sites with a stainless-steel screen. Heavy-mineral concentrate samples were collected by panning the minus-2-mm stream sediment to remove most of the light mineral fraction.

Samples of aquatic bryophytes (mosses) were collected from stream channels beneath the water level mainly from the silty sides of the stream channels but also from deadwood and boulders where they were attached. Samples were partially washed in the stream at the sample sites to remove large quantities of silt and sand. No attempt was made to differentiate the various species of bryophytes which were collected.

Lowland areas, including as much as 3,900 km^2, mainly in the south and southeastern parts of the quadrangle were not sampled because they are covered by thick unconsolidated deposits of Quaternary material and geochemical sampling techniques that might be effective in these areas were not within the scope of this survey.

Preparation of samples

All samples were partially dried in the field and later completely dried in an oven at the laboratory. After drying, the stream-sediment samples were sieved with an 80-mesh (0.177 mm) screen and the <80-mesh fraction was pulverized to minus 150 mesh in a vertical grinder using ceramic grinding plates. Panned samples were sieved with a 20-mesh (0.8 mm) screen to remove coarse material which would not pass readily through laboratory equipment used in the bromoform and magnetic separation procedures. The >20 mesh fraction, which in most cases, included only a small volume percent of the total sample, was scanned visually for the presence of heavy minerals, and discarded. The <20-mesh fraction was passed through bromoform (specific gravity, 2.86) to remove light-mineral grains not removed in the panning process. Each heavy-mineral concentrate sample was then divided into three fractions based on the magnetic susceptibilities of the mineral grains. A fraction consisting chiefly of magnetite was removed with the use of a hand magnet and a Frantz[1/]

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[1]The use of this trade name is for descriptive purposes only and does not constitute endorsement of this product by the U.S. Geological Survey.

Isodynamic magnetic separator. In using the separator to remove magnetite, the samples were passed closely beneath the separator with the track removed, the magnetic poles oriented vertically downward and covered, and with the current set at 2 amperes. Two additional fractions were

obtained by passing the remaining sample through the Frantz separator at a setting of 0.6 ampere. The fraction composed of mineral grains having no magnetic susceptibility to 0.6 ampere is referred to in this report as the nonmagnetic or the C-3 fraction. (The nonmagnetic fraction generally contains most of the minerals of interest in geochemical exploration.) Subsequent to this separation the mineralogic composition of the C-3 (nonmagnetic) fraction was determined by visual observation with a binocular microscope. X-ray diffraction was used to verify the identification of some mineral grains. The fraction consisting of mineral grains with magnetic susceptibilities between 0.1 and 0.6 ampere is referred to in this report as moderately magnetic, or the C-2 fraction. Using a microsplitter a split of each sample of the C-2 and C-3 fraction was obtained. One split was then pulverized to <150 mesh by hand grinding in a mortar and pestle. The ground portion was used for spectrographic analysis.

After oven drying the samples of aquatic bryophytes most remaining silt and sand was removed by hand and compressed air followed by several rinses with tap water. The samples were again oven dried, pulverized in a blender, and ashed in a muffel furnace during a 24-hour period with a maximum temperature of 500°C. The ash was passed through a 0.119 mm sieve (145 mesh) to remove most remaining sand grains. The ash of the samples ranged from 8 to 72 percent with a mean weight of 36 percent of the dry material. The ash of aquatic bryophytes that are free of sediment should be approximately 10 percent of the original dry weight (Brooks, 1972, p. 178). Thus, most samples contained various undertermined amounts of sediment.

Methods of analysis

Stream-sediment and the C-2 and C-3 heavy-mineral concentrate samples were analyzed semiquantitatively for 31 elements using a six-step emission spectrographic method outlined by Grimes and Marranzino (1968). The spectrographic results were reported as geometric midpoints, 1.0, 0.7, 0.5, 0.3, 0.2, 0.15, (or appropriate multiples of ten) of geometric brackets having the boundaries 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, (or appropriate multiples). The method was modified slightly for the concentrate samples to eliminate spectral interferences. The modification consisted of using half the amount of sample, 5 mg. For samples 308-517, and 178, a 10-mg standard was used for the 5-mg samples, and concentrations determined by visual comparisons were doubled. Doubled values occurring between geometric midpoints were rounded to the next higher midpoint. For samples 1-306, except 178, half the amount of standard (5 mg) was used for the 5-mg samples and concentrations determined by visual comparisons were reported directly. The difference in the amount of standard used resulted in differences in reported upper limits of determination as indicated in table 5. Stream-sediment samples were also analyzed for gold, mercury, and zinc using atomic-absorption (methods described by Ward and others, 1969).

Ash samples of aquatic bryophytes were analyzed for 33 elements by a semiquantitative emission spectrographic method for plant materials described by Mosier (1972) and modified by Curry and others (1975). These 33 elements include the elements analyzed in the sediment and concentrate samples, with the exception of calcium, scandium, and thorium, and include five additional elements: sodium, gallium, germanium, indium, and thallium.

Stream-sediment and heavy-mineral concentrate samples collected from sites 1-308, except concentrate samples from site 178, and all samples of ash of aquatic bryophytes were analyzed spectrographically by E. F. Cooley. Sediments from sites 309-516 were analyzed spectrographically by D. A. Risoli and J. T. Hurrell. Concentrate samples from sites 309-517, and 178 were analyzed spectrographically by D. A. Risoli. Atomic-absorption analyses were performed by R. M. O'Leary, A. L. Gruzensky, and G. Y. Ito.

Explanation of data

Summarized statistics based on the analytical data for stream sediments, moderately magnetic heavy-mineral concentrates, nonmagnetic heavy-mineral concentrates, and samples of ash of aquatic bryophytes are given in tables 1-4, respectively.

Tables 6-9 contain analytical results for <80-mesh stream-sediment, moderately magnetic heavy-mineral concentrate, nonmagnetic heavy-mineral concentrate, and ash of aquatic bryophytes samples, respectively. Limits of determination are given in table 5. Symbols used in the tables are as follows: <, an undetermined value less than the value shown was detected; N, not detected; >, an undetermined value greater than the value shown was detected. The symbols "S," "AA," and "INST" in the element column headings preceding the element symbols indicate the method of analysis as follows: S, spectrographic analysis; AA, INST, atomic absorption analysis.

Sample numbers, given in the tables, coincide with sample numbers shown on the map (plate 1). The site numbers may be obtained from sample numbers by removing the prefix M, leading zeros, and suffixes S, C2, C3, or M. For example, the site where sample number M001S was collected is indicated by a dot on the map next to the number 1.

All of the analytical data have been entered in the U.S. Geological Survey's computerized analysis storage system (RASS).

The value of ten parts per million gold reported for semiquantitative spectrographic analysis of sample M272S is suspect. Gold was the only element reported in an unusual amount in this sample and gold was not detected by atomic absorption analysis. Two additional splits of this sample weighing 1 g and 10 g were analyzed by atomic absorption (analyses by J. D. Sharkey) with no gold detected.

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Table 1.--*Statistical summary of the analytical results for 513 minus-80-mesh stream sediments, Medfra quadrangle, Alaska*

[Qualified population is one in which the element concentrations are qualified by N, <, or >, wherein N = not detected at lower limit of detection; < = detected, but below lower limit of determination; > = detected, but above upper limit of determination. Unqualified population is one in which the element concentrations fall within the sensitivity limits of the method used. Leaders (--) denote no data or insufficient data. Values for Fe, Mg, Ca, and Ti are in percent; all other values are reported in parts per million. Elements analyzed by atomic absorption are identified by "AA" following the element symbol. All other elements analyzed by semiquantitative emission spectrography]

Element	Data based on the qualified population			Data based on the unqualified population				
	Number of samples			Number of values	Range of values		Geometric mean	Geometric deviation
	N	<	>					
Fe	0	0	0	513	0.7 -	20	7.2	1.5
Mg	0	0	4	509	0.5 -	10	1.6	1.6
Ca	0	0	2	511	0.2 -	20	1.2	2.2
Ti	0	0	85	428	0.1 -	1	.8	1.4
Mn	0	0	2	511	100 -	5000	760	1.7
Ag	490	15	0	8	0.5 -	70	3.4	6.8
As	511	0	0	2	200 -	500	320	1.9
Au	511	0	0	2	10 -	20	1.4	1.6
B	5	0	0	508	20 -	2000	130	1.7
Ba	0	0	0	513	50 -	2000	940	1.5
Be	1	18	0	494	1 -	7	1.3	1.4
Bi	511	1	0	1	700	--	—	—
Cd	513	0	0	0	—	—	—	—
Co	1	13	0	499	5 -	50	15	1.6
Cr	0	1	0	512	10 -	700	150	1.4
Cu	0	1	0	512	5 -	15000	30	2.0
La	8	14	0	491	20 -	300	47	1.4
Mo	506	7	0	0	—	--	—	--

Table 1.—*Statistical summary of the analytical results for 513 minus-80-mesh stream sediments, Medfra quadrangle, Alaska*—continued

Element	Data based on the qualified population			Data based on the unqualified population				
	Number of samples			Number of values	Range of values		Geometric mean	Geometric deviation
	N	<	>					
Nb	86	424	0	3	20	- 20	—	—
Ni	0	0	0	513	5	- 300	80	1.5
Pb	1	13	0	499	10	- 500	19	1.6
Sb	512	0	0	1	300	--	—	—
Sc	0	2	0	511	5	- 50	20	1.3
Sn	503	2	1	7	10	- 200	29	3.2
Sr	1	4	0	508	100	- 1500	210	1.4
V	0	0	0	513	50	- 1000	270	1.4
W	513	0	0	0	—	--	—	—
Y	1	1	0	511	10	- 300	45	1.4
Zn	204	281	0	28	200	- 700	260	1.5
Zr	0	0	1	512	20	- 1000	250	1.7
Th	513	0	0	0	—	--	—	—
Au-AA	503	5	0	5	.05	- 20	0.6	1.2
Hg-AA	2	3	0	508	.02	- 5	0.08	2.2
Zn-AA	0	0	0	513	20	- 500	74	1.4

Table 2.--*Statistical summary of the analytical results for 422 moderately magnetic heavy-mineral concentrates, Medfra quadrangle, Alaska*

[Qualified population is one in which the element concentrations are qualified by N, <, or >, wherein N = not detected at lower limit of detection; < = detected, but below lower limit of determination; > =detected, but above upper limit of determination. Unqualified population is one in which the element concentrations fall within the sensitivity limits of the method used. Leaders (--) denote no data or insufficient data. Values for Fe, Mg, Ca, and Ti are in percent; all other values are reported in parts per million. Analyses by semiquantitative emission spectrography]

Element	Data based on the qualified population			Data based on the unqualified population			
	Number of samples			Number of values	Range of values	Geometric mean	Geometric deviation
	N	<	>				
Fe	0	0	39	383	3 - 50	16	1.5
Mg	0	0	0	422	0.07- 15	3.0	2.3
Ca	0	0	0	422	0.1 - 15	2.3	2.4
Ti	0	0	183	239	0.1 - 2	0.8	2.1
Mn	0	0	70	352	150 - 10000	2600	1.7
Ag	383	11	0	28	1 - 70	4.4	3.9
As	386	11	0	25	500 - 5000	820	1.9
Au	420	0	0	2	20 - 150	55	4.2
B	1	23	27	371	20 - 5000	180	3.3
Ba	0	2	9	411	50 - 10000	340	2.3
Be	125	160	0	137	2 - 20	3.5	1.8
Bi	405	5	0	12	20 - 200	41	2.2
Cd	413	2	0	7	50 - 150	—	—
Co	1	1	0	420	10 - 300	56	1.5
Cr	0	1	37	384	30 - 15000	850	2.9
Cu	0	13	0	409	10 - 10000	73	3.0
La	4	21	13	384	50 - 2000	130	2.6
Mo	374	9	0	39	10 - 100	31	2.0

Table 2.—*Statistical summary of the analytical results for 422 moderately magnetic heavy-mineral concentrates, Medfra quadrangle, Alaska*--continued

Element	Data based on the qualified population			Data based on the unqualified population					
	Number of samples			Number of values	Range of values			Geometric mean	Geometric deviation
	N	<	>						
Nb	72	254	0	96	50	-	200	68	1.5
Ni	1	5	0	416	10	-	1500	110	1.8
Pb	3	26	0	393	20	-	3000	54	2.9
Sb	419	0	0	3	200	-	1000	340	2.5
Sc	0	1	4	417	10	-	150	55	1.7
Sn	360	2	4	56	20	-	1500	130	3.1
Sr	118	128	0	176	200	-	1500	280	1.7
V	0	0	0	422	70	-	1500	350	1.6
W	400	12	0	10	100	-	1000	260	1.9
Y	0	1	0	421	20	-	1000	85	2.3
Zn	172	113	0	137	500	-	7000	690	1.7
Zr	0	0	22	400	20	-	2000	230	2.6
Th	402	5	0	15	200	-	3000	760	2.4

Table 3.--*Statistical summary of the analytical results for 570 nonmagnetic heavy-mineral concentrates, Medfra quadrangle, Alaska*

[Qualified population is one in which the element concentrations are qualified by N, <, or >, wherein N = not detected at lower limit of detection; < = detected, but below lower limit of determination; > =detected, but above upper limit of determination. Unqualified population is one in which the element concentrations fall within the sensitivity limits of the method used. Leaders (--) denote no data or insufficient data. Values for Fe, Mg, Ca, and Ti are in percent; all other values are reported in parts per million. Analyses by semiquantitative emission spectrography]

Element	Data based on the qualified population			Data based on the unqualified population			
	Number of samples			Number of values	Range of values	Geometric mean	Geometric deviation
	N	<	>				
Fe	0	0	2	368	0.2 - 20	2.5	1.9
Mg	0	1	0	369	0.07- 15	1.2	3.4
Ca	0	0	0	370	0.1 - 20	3.8	2.9
Ti	0	0	205	165	0.05- 2	0.5	2.5
Mn	0	0	1	369	20 - 10000	600	2.1
Ag	335	6	0	29	1 - 2000	13	7.6
As	357	3	0	10	500 - 7000	1200	2.7
Au	361	0	2	7	20 - 200	59	2.0
B	2	16	35	317	20 - 5000	210	3.5
Ba	0	0	67	303	50 - 10000	840	3.0
Be	10	305	0	55	2 - 300	3.4	2.2
Bi	329	6	1	34	20 - 1000	90	3.3
Cd	365	2	0	3	50 - 150	91	1.7
Co	9	88	0	273	10 - 200	16	1.8
Cr	0	1	0	369	20 - 5000	300	3.2
Cu	16	69	0	285	10 - 20000	53	3.0
La	3	8	11	348	50 - 2000	170	2.5
Mo	352	3	0	15	10 - 100	32	2.0

Table 3.—*Statistical summary of the analytical results for 370 nonmagnetic heavy-mineral concentrates, Medfra quadrangle, Alaska*—continued

Element	Data based on the qualified population			Data based on the unqualified population					
	Number of samples			Number of values	Range of values			Geometric mean	Geometric deviation
	N	<	>						
Nb	64	141	0	165	50	-	200	74	1.5
Ni	16	85	0	269	10	-	1500	43	2.4
Pb	12	83	0	275	20	-	50000	59	3.2
Sb	360	1	0	9	500	-	15000	1400	2.8
Sc	4	25	2	339	10	-	150	31	1.8
Sn	142	19	29	180	20	-	1500	150	2.9
Sr	4	32	0	334	200	-	5000	470	2.0
V	0	1	0	369	20	-	1000	180	1.9
W	295	27	0	48	100	-	2000	220	2.1
Y	1	16	0	353	20	-	2000	150	2.5
Zn	342	4	0	24	500	-	7000	1800	2.2
Zr	0	0	236	134	20	-	2000	540	2.8
Th	333	17	0	20	200	-	2000	450	2.2

Table 4.—*Statistical summary of the analytical results for 355 samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska*

[Qualified population is one in which the element concentrations are qualified by N, <, or >, wherein N = not detected at lower limit of detection; < = detected, but below lower limit of determination; > = detected, but above upper limit of determination. Unqualified population is one in which the element concentrations fall within the sensitivity limits of the method used. Leaders (—) denote no data or insufficient data. Values for Fe, Mg, Ti, and Na are in percent; all other values are reported in parts per million. Analyses by semiquantitative emission spectrography]

Element	Data based on the qualified population			Data based on the unqualified population					
	Number of samples			Number of values	Range of values			Geometric mean	Geometric deviation
	N	<	>						
Fe	0	0	256	99	3	-	5	4.8	1.1
Mg	0	0	0	355	1		5	2.1	1.3
Ti	0	0	35	320	0.1	-	1	0.8	1.4
Mn	0	0	51	304	500	-	10000	4700	1.8
Ag	21	14	0	320	0.1	-	5	0.4	2.2
As	322	4	0	29	200	-	5000	820	2.5
Au	355	0	0	0		—		—	—
B	0	0	0	355	100	-	500	190	1.3
Ba	0	0	0	355	700	-	7000	2300	1.5
Be	0	0	0	355	2	-	20	3.3	1.4
Bi	352	1	0	2	20	-	20	—	—
Cd	51	58	0	246	1	-	100	2.5	2.2
Co	0	0	0	355	10	-	500	45	1.6
Cr	0	0	0	355	50	-	300	100	1.5
Cu	0	0	0	355	30	-	1000	125	1.6
La	0	0	0	355	30	-	200	62	1.3
Mo	355	0	0	0		--		--	—

Table 4.—*Statistical summary of the analytical results for 355 samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska*--continued

Element	Data based on the qualified population			Data based on the unqualified population					
	Number of samples			Number of values	Range of values			Geometric mean	Geometric deviation
	N	<	>						
Nb	0	40	0	315	20	-	20	—	—
Ni	0	0	1	354	30	-	500	79	1.5
Pb	0	0	0	355	10	-	300	23	1.3
Sb	355	0	0	0		—		—	—
Sn	286	19	0	50	5	-	100	8.3	2.1
Sr	0	0	0	355	200	-	1000	500	1.3
V	0	0	0	355	150	-	1000	410	1.4
W	355	0	0	0		—		—	—
Y	0	0	0	355	20	-	200	56	1.4
Zn	0	0	0	355	100	-	5000	1100	1.4
Zr	0	0	5	350	150	-	1000	540	1.5
Na	0	0	0	355	0.2	-	5	0.42	1.7
Ca	351	1	0	3	2	-	10	3.9	2.3

Table 5.--*Limits of determination used in analyses of geochemical samples, Medfra quadrangle, Alaska*

[Upper limits are given in parentheses. Two upper limits result from differences in techniques used by different analysts. Limits are in parts per million except for those given for Fe, Mg, Ca, Ti, and Na, which are in percent. Lower limits used in atomic-absorbtion analyses: Au, .05; Hg, .02; Zn, 5. Ge, In, and Tl were not detected in ash samples of aquatic bryophytes and are excluded from this table]

Element	>80-mesh stream sediment	Ash of aquatic bryophytes	Heavy-mineral concentrates
Fe	.05	.005 (5)	.1 (20)
Mg	.02 (10)	.01	.05
Ca	.05 (20)	--	.1
Ti	.002 (1)	.001 (1)	.005 (1, 2)
Mn	10 (5000)	10 (10000)	20 (5000, 10000)
Ag	.5	.1	1
As	200	200	500
Au	10	2	20 (500)
B	10	5	20 (2000, 5000)
Ba	20	20	50 (5000, 10000)
Be	1	.5	2
Bi	10	1	20 (1000)
Cd	20	1	50
Co	5	5	10
Cr	10	5	20 (5000, 10000)
Cu	5	1	10
La	20	20	50 (1000, 2000)
Mo	5	5	10
Nb	20	20	50
Ni	5	5 (1000)	10
Pb	10	1	20
Sb	100	50	200
Sc	5	—	10 (100)
Sn	10 (1000)	5	20 (1000, 2000)
Sr	100	100	200
V	10	5	20
W	50	50	100
Y	10	10	20
Zn	200	100	500
Zr	10 (1000)	10 (1000)	20 (1000, 2000)
Th	100	--	200
Na	--	.005	--
Ca	--	2	--

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-U	S-BA	S-BE
MD01S	63 13 54	154 45 49	10.0	1.5	1.0	1.0	1,500	N	N	N	100	700	2.0
MD02S	63 14 0	154 46 40	15.0	.7	1.5	.5	1,500	70.0	500	20	100	500	2.0
MD03S	63 7 9	154 54 46	7.0	1.0	.7	.5	700	N	N	N	100	1,000	2.0
MD04S	63 9 43	154 58 2	7.0	1.0	1.0	.5	1,500	N	N	N	100	1,000	2.0
MD05S	63 12 54	154 55 26	7.0	1.0	1.0	.5	1,000	N	N	N	100	1,000	2.0
MD06S	63 11 0	154 50 5	7.0	1.0	1.0	.5	1,000	N	N	N	100	1,000	2.0
MD07S	63 12 34	154 51 18	5.0	1.0	1.0	.5	700	N	N	N	100	1,000	2.0
MD08S	63 12 36	154 45 48	7.0	1.0	1.0	.5	1,000	N	N	N	100	1,000	2.0
MD09S	63 14 58	154 40 45	7.0	1.0	.7	.5	700	N	N	N	150	1,000	2.0
MD10S	63 15 37	154 38 43	7.0	1.0	.7	.5	700	N	N	N	150	1,000	2.0
MD11S	63 18 13	154 32 49	7.0	2.0	5.0	.5	1,000	N	N	N	100	700	2.0
MD12S	63 17 52	154 31 41	7.0	5.0	7.0	.3	1,000	N	N	N	50	300	1.5
MD13S	63 18 25	154 28 52	7.0	3.0	5.0	.5	1,500	N	N	N	150	1,000	1.5
MD14S	63 17 15	154 28 33	7.0	5.0	7.0	.3	1,000	N	N	N	70	500	1.5
MD15S	63 19 18	154 24 55	7.0	1.0	1.0	.3	700	N	N	N	150	1,500	1.5
MD16S	63 20 23	154 20 30	7.0	1.5	1.0	.5	1,000	N	N	N	150	1,000	1.5
MD17S	63 22 33	154 26 19	7.0	1.5	1.5	.5	700	N	N	N	100	1,000	1.5
MD18S	63 21 5	154 28 40	5.0	7.0	15.0	.3	700	N	N	N	50	300	<1.0
MD19S	63 22 34	154 20 50	5.0	7.0	15.0	.3	1,000	N	N	N	70	300	<1.0
MD20S	63 24 6	154 15 57	5.0	5.0	10.0	.3	1,000	N	N	N	100	1,000	1.0
MD21S	63 26 11	154 53 30	7.0	1.0	.7	.5	500	N	N	N	150	1,500	2.0
MD22S	63 26 49	155 1 23	7.0	1.0	.5	.5	300	N	N	N	200	1,500	2.0
MD23S	63 27 37	155 3 56	5.0	.7	.7	.3	200	N	N	N	50	1,000	3.0
MD24S	63 28 32	155 6 16	2.0	.5	.7	.2	1,500	N	N	N	50	500	3.0
MD25S	63 31 50	155 9 17	10.0	.7	.2	.5	1,000	N	N	N	150	1,000	2.0
MD26S	63 33 53	155 3 27	10.0	1.0	.5	.7	1,500	N	N	N	150	1,000	2.0
MD27S	63 32 43	155 0 30	7.0	.7	.7	.5	1,000	N	N	N	100	1,000	2.0
MD28S	63 32 40	154 56 39	5.0	.5	.7	.5	3,000	N	N	N	70	700	2.0
MD29S	63 30 19	154 56 45	7.0	1.0	.7	.5	3,000	N	N	N	150	1,000	2.0
MD30S	63 28 24	154 52 33	7.0	.7	.7	.5	1,000	N	N	N	100	700	2.0
MD31S	63 25 8	154 52 1	7.0	.7	.7	.5	700	N	N	N	300	700	1.5
MD32S	63 28 39	154 45 45	5.0	.7	.7	.5	700	N	N	N	150	1,000	1.5
MD33S	63 27 46	154 44 35	7.0	.7	.7	.5	500	N	N	N	150	1,000	1.5
MD34S	63 27 29	154 38 16	7.0	.7	.5	.5	700	N	N	N	150	1,000	1.5
MD35S	63 25 13	154 38 2	10.0	.7	.7	.5	700	N	N	N	150	1,000	1.5
MD36S	63 25 13	154 39 6	10.0	1.0	1.0	.7	1,500	N	N	N	100	1,000	1.5
MD37S	63 26 24	154 34 37	10.0	1.0	.7	.5	1,500	N	N	N	200	1,000	1.5
MD38S	63 25 52	154 30 10	10.0	1.0	.7	.5	1,000	N	N	N	150	1,000	1.5
MD39S	63 28 38	154 30 35	10.0	1.0	.3	.5	1,500	N	N	N	200	1,500	2.0
MD40S	63 30 33	154 17 49	20.0	1.5	1.0	.7	1,500	N	N	N	200	1,000	2.0
MD41S	63 27 5	154 33 24	10.0	1.0	.7	.5	1,500	2.0	N	N	200	1,000	2.0
MD42S	63 31 11	154 23 6	15.0	2.0	1.0	.7	2,000	N	N	N	150	1,500	2.0
MD43S	63 29 37	154 38 2	10.0	1.0	.7	.5	1,000	N	N	N	150	1,000	2.0
MD44S	63 30 49	154 30 9	10.0	1.5	.7	.5	2,000	N	N	N	2,000	1,000	2.0
MD45S	63 31 9	154 36 18	10.0	1.5	.7	.5	2,000	N	N	N	500	1,000	2.0

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfia quadrangle, Alaska

—continued

Sample	S-BI	S-CD	S-CO	S-ER	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
M001S	N	N	20	150	100	70	N	<20	50	200	N	30	N
M002S	700	N	50	100	15,000	70	N	<20	20	200	500	20	100
M003S	N	N	30	150	70	50	N	<20	100	30	N	20	N
M004S	N	N	30	200	70	50	N	<20	100	20	N	20	N
M005S	N	N	20	150	50	50	N	<20	70	20	N	20	N
M006S	N	N	20	200	50	50	N	<20	70	20	N	20	N
M007S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M008S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M009S	N	N	30	150	30	50	N	<20	100	20	N	30	N
M010S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M011S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M012S	N	N	20	150	20	50	N	<20	70	20	N	10	N
M013S	N	N	20	150	20	50	N	<20	100	20	N	20	N
M014S	N	N	20	150	20	50	N	<20	70	20	N	15	N
M015S	N	N	20	150	20	50	N	<20	100	20	N	10	N
M016S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M017S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M018S	N	N	<5	150	20	50	N	<20	70	20	N	7	N
M019S	N	N	<5	150	30	50	N	<20	50	20	N	7	N
M020S	N	N	<5	150	20	50	N	<20	50	20	N	7	N
M021S	N	N	20	150	100	50	N	<20	150	30	N	30	N
M022S	N	N	30	200	150	50	N	<20	100	20	N	30	N
M023S	N	N	10	100	70	50	N	<20	50	30	N	7	N
M024S	N	N	<5	50	20	300	N	<20	20	20	N	7	N
M025S	N	N	20	150	70	100	N	<20	100	20	N	30	N
M026S	N	N	50	200	100	50	N	<20	150	50	N	30	N
M027S	N	N	30	150	30	100	N	<20	100	30	N	20	N
M028S	N	N	10	100	150	50	N	<20	100	20	N	20	N
M029S	N	N	20	150	150	50	N	<20	150	30	N	20	N
M030S	N	N	15	100	50	100	N	<20	50	20	N	20	N
M031S	N	N	20	150	100	50	N	<20	150	20	N	20	N
M032S	N	N	10	150	50	50	N	<20	100	20	N	20	N
M033S	N	N	10	150	20	50	N	<20	100	20	N	20	N
M034S	N	N	15	150	50	50	N	<20	100	20	N	20	N
M035S	N	N	15	200	30	50	N	<20	100	20	N	20	N
M036S	N	N	20	200	50	50	N	<20	100	20	N	20	N
M037S	N	N	10	150	100	50	N	<20	100	30	N	20	N
M038S	N	N	20	200	100	50	N	<20	150	20	N	20	N
M039S	N	N	10	200	100	50	N	<20	150	20	N	20	N
M040S	N	N	20	200	100	50	N	<20	150	30	N	30	N
M041S	N	N	10	150	70	50	N	<20	150	150	N	20	N
M042S	N	N	20	150	100	100	N	<20	100	50	N	20	N
M043S	N	N	10	150	70	70	N	<20	100	50	N	20	N
M044S	N	N	20	100	300	70	N	<20	100	50	N	20	N
M045S	N	N	20	150	150	70	N	<20	150	50	N	20	N

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Sudfia quadrangle, Alaska

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Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-ZN-P
M0015	200	200	N	70	<200	1,000	N	.20	1.00	170
M0025	200	200	N	70	500	1,000	N	26.00	4.00	290
M0035	200	200	N	50	<200	300	N	N	.10	70
M0045	200	200	N	50	<200	300	N	N	.10	80
M0055	200	200	N	50	<200	300	N	N	.10	65
M0065	200	200	N	50	<200	300	N	N	.08	65
M0075	200	200	N	50	<200	200	N	N	.08	80
M0085	200	200	N	70	<200	500	N	N	.10	65
M0095	200	300	N	70	<200	300	N	N	.20	100
M0105	200	300	N	50	<200	300	N	N	.20	70
M0115	200	300	N	50	<200	300	N	N	.06	80
M0125	200	200	N	50	<200	200	N	N	.06	80
M0135	200	300	N	50	<200	150	N	N	.10	70
M0145	200	200	N	50	700	200	N	N	.35	550
M0155	200	300	N	30	<200	150	N	N	.20	65
M0165	200	300	N	30	<200	300	N	N	.06	85
M0175	200	300	N	50	<200	300	N	N	.12	75
M0185	200	200	N	20	N	50	N	N	.08	35
M0195	200	200	N	20	300	100	N	N	.04	350
M0205	200	200	N	20	<200	100	N	N	.10	85
M0215	200	300	N	50	<200	300	N	N	.06	130
M0225	200	300	N	70	200	200	N	.05	.06	140
M0235	200	150	N	50	<200	300	N	N	.06	90
M0245	200	50	N	20	<200	300	N	N	.12	50
M0255	200	300	N	50	<200	300	N	N	.06	95
M0265	200	300	N	50	<200	300	N	N	.06	100
M0275	200	300	N	50	<200	300	N	N	.08	60
M0285	200	200	N	50	<200	200	N	N	.20	120
M0295	200	300	N	50	<200	300	N	N	.30	150
M0305	200	200	N	50	<200	300	N	N	.30	55
M0315	200	300	N	50	<200	300	N	N	.16	100
M0325	200	300	N	50	<200	300	N	N	.20	95
M0335	200	300	N	30	<200	300	N	N	.22	55
M0345	200	300	N	50	<200	300	N	N	.10	110
M0355	200	300	N	50	<200	300	N	N	.16	60
M0365	200	300	N	50	<200	500	N	N	.12	55
M0375	200	300	N	50	200	500	N	N	.22	290
M0385	200	300	N	50	<200	300	N	N	.14	90
M0395	200	300	N	50	200	300	N	N	.08	160
M0405	300	300	N	50	<200	500	N	N	.08	95
M0415	200	300	N	50	500	200	N	N	.16	500
M0425	500	300	N	50	200	1,000	N	N	.16	70
M0435	200	300	N	50	<200	300	N	N	.26	90
M0445	200	300	N	50	<200	200	N	2.00	.06	90
M0455	200	300	N	50	<200	300	N	N	.20	120

Table 6.—*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Healy quadrangle, Alaska*

—continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M0465	63 32 9	154 42 6	7.0	1.0	.7	.5	700	N	N	N	100	1,000	2.0
M0475	63 33 37	154 38 11	7.0	1.0	.7	.7	1,000	N	N	N	200	1,000	2.0
M0485	63 33 36	154 38 36	7.0	1.0	.7	.7	500	N	N	N	200	1,000	2.0
M0495	63 33 43	154 39 1	7.0	1.0	.7	.7	700	N	N	N	200	1,000	2.0
M0505	63 31 58	154 26 20	7.0	1.0	.2	.7	1,000	N	N	N	200	1,000	2.0
M0515	63 34 54	154 28 22	15.0	1.5	.7	.7	1,000	N	N	N	200	1,500	2.0
M0525	63 35 10	154 21 13	15.0	1.5	1.0	1.0	2,000	N	N	N	200	1,000	2.0
M0535	63 34 5	154 29 12	7.0	1.0	.7	.5	1,500	N	N	N	200	1,000	2.0
M0545	63 35 16	154 26 18	10.0	2.0	1.5	1.0	2,000	N	N	N	200	1,500	2.0
M0555	63 34 58	154 21 18	10.0	1.5	.7	1.0	3,000	N	N	N	200	1,500	2.0
M0565	63 37 43	154 12 46	7.0	1.5	.7	.7	1,000	N	N	N	300	1,500	2.0
M0575	63 37 2	154 14 32	7.0	1.5	.7	.5	2,000	N	200	N	200	1,500	2.0
M0585	63 39 53	154 9 16	5.0	7.0	15.0	.5	1,000	N	N	N	70	500	1.0
M0595	63 39 54	154 12 28	7.0	1.5	.7	.5	2,000	N	N	N	200	1,500	2.0
M0605	63 40 18	154 20 1	15.0	2.0	.7	.5	2,000	N	N	N	200	1,500	2.0
M0615	63 41 39	154 14 42	15.0	2.0	.7	.5	1,500	N	N	N	200	1,500	2.0
M0625	63 40 32	154 26 34	15.0	2.0	.7	.5	1,500	N	N	N	200	1,500	2.0
M0635	63 39 4	154 25 43	10.0	2.0	1.0	.5	1,500	N	N	N	150	1,500	2.0
M0645	63 43 2	154 33 19	15.0	2.0	1.0	.7	1,000	N	N	N	150	1,500	2.0
M0655	63 37 38	154 29 28	10.0	1.5	.7	.5	1,500	N	N	N	200	1,500	2.0
M0665	63 42 48	154 29 50	15.0	2.0	.7	.7	1,500	N	N	N	200	1,000	2.0
M0675	63 5 28	154 47 28	10.0	1.0	.5	1.0	1,500	N	N	N	150	1,000	1.0
M0685	63 3 48	154 49 38	7.0	1.0	1.0	1.0	1,000	N	N	N	150	1,000	1.0
M0695	63 6 2	154 53 9	7.0	1.0	1.0	1.0	700	N	N	N	150	1,000	1.0
M0705	63 6 0	154 51 24	7.0	1.5	1.0	1.0	700	N	N	N	150	1,000	1.0
M0715	63 2 57	154 55 16	7.0	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M0725	63 5 29	154 56 0	7.0	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M0735	63 3 8	155 3 47	10.0	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M0745	63 1 31	154 58 32	7.0	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M0755	63 0 17	155 15 14	7.0	1.0	1.0	.7	500	N	N	N	150	1,000	1.0
M0765	63 2 29	155 6 20	10.0	1.5	1.0	.7	1,000	N	N	N	150	1,000	1.0
M0775	63 0 8	155 26 0	7.0	1.0	1.0	.7	700	N	N	N	150	1,000	1.5
M0785	63 1 15	155 19 34	7.0	1.5	1.5	.7	700	N	N	N	150	1,000	1.5
M0795	63 2 12	155 28 26	7.0	1.0	1.0	.7	500	N	N	N	200	1,000	1.5
M0805	63 22 16	155 26 26	15.0	2.0	1.5	1.0	2,000	N	N	N	700	1,500	1.5
M0815	63 24 11	155 25 54	10.0	1.5	1.0	1.0	1,000	N	N	N	150	1,500	1.5
M0825	63 24 46	155 23 34	10.0	1.5	1.0	.7	700	N	N	N	200	1,500	1.0
M0835	63 27 42	155 24 9	10.0	1.5	1.0	1.0	700	N	N	N	200	1,500	1.0
M0845	63 28 7	155 28 50	10.0	1.5	1.0	1.0	700	N	N	N	200	1,500	1.0
M0855	63 28 15	155 31 43	10.0	1.0	.7	.7	700	N	N	N	300	1,500	1.5
M0865	63 24 23	155 35 19	10.0	2.0	1.0	1.0	1,000	N	N	N	200	1,500	1.5
M0875	63 28 1	155 35 6	10.0	1.0	.7	.7	1,000	N	N	N	300	1,500	1.0
M0885	63 23 8	155 34 29	10.0	2.0	1.5	.7	1,500	N	N	N	700	1,500	2.0
M0895	63 23 31	155 38 24	10.0	2.0	1.0	.7	1,000	N	N	N	500	1,500	1.5
M0905	63 22 23	155 38 16	7.0	1.5	1.0	1.0	700	N	N	N	150	700	2.0

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Nulato quadrangle, Alaska*

--continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
MO66S	N	N	15	150	20	70	N	<20	100	20	N	20	N
MO67S	N	N	20	150	70	50	N	<20	100	30	N	20	N
MO68S	N	N	15	150	30	50	N	<20	100	20	N	20	N
MO69S	N	N	15	150	50	50	N	<20	100	20	N	20	N
MO70S	N	N	20	150	50	70	N	<20	100	20	N	20	N
MO51S	N	N	50	500	100	70	N	20	100	30	N	30	N
MO52S	N	N	50	300	150	70	N	<20	100	30	N	30	N
MO53S	N	N	20	150	50	50	N	<20	100	20	N	20	N
MO54S	N	N	30	500	100	70	N	<20	100	30	N	20	N
MO55S	N	N	50	200	150	50	N	<20	150	50	N	30	N
MO56S	N	N	20	150	70	50	N	<20	100	20	N	20	N
MO57S	N	N	20	150	70	50	N	<20	100	30	N	20	N
MO58S	N	N	10	150	20	50	N	<20	50	30	N	10	N
MO59S	N	N	15	150	50	50	N	<20	100	20	N	20	N
MO60S	N	N	30	150	50	50	N	<20	100	20	N	20	N
MO61S	N	N	30	200	50	50	N	<20	100	20	N	20	N
MO62S	N	N	50	200	70	50	N	<20	150	20	N	20	N
MO63S	N	N	20	200	50	50	N	<20	100	20	N	20	N
MO64S	N	N	30	150	30	50	N	<20	100	20	N	20	N
MO65S	N	N	20	150	70	50	N	<20	100	20	N	20	N
MO66S	N	N	30	200	70	50	N	<20	150	20	N	20	N
MO67S	N	N	10	500	15	50	N	<20	50	<10	N	20	N
MO68S	N	N	10	150	20	50	N	<20	70	20	N	20	N
MO69S	N	N	10	150	20	50	N	<20	50	10	N	20	N
MO70S	N	N	10	150	50	50	N	<20	70	10	N	20	N
MO71S	N	N	10	150	50	50	N	<20	70	15	N	20	N
MO72S	N	N	15	150	20	50	N	<20	70	10	N	20	N
MO73S	N	N	15	150	50	50	N	<20	100	20	N	20	N
MO74S	N	N	10	150	70	50	N	<20	70	15	N	20	N
MO75S	N	N	10	150	20	50	N	<20	70	15	N	20	N
MO76S	N	N	10	150	50	50	N	<20	100	20	N	20	N
MO77S	N	N	10	150	20	50	N	<20	70	20	N	20	N
MO78S	N	N	15	150	50	50	N	<20	100	20	N	20	N
MO79S	N	N	10	150	20	50	N	<20	70	15	N	20	N
MO80S	N	N	20	700	100	50	N	<20	100	20	N	30	N
MO81S	N	N	20	200	50	50	N	<20	70	20	N	20	N
MO82S	N	N	20	200	70	50	N	<20	100	20	N	20	N
MO83S	N	N	15	200	30	50	N	<20	100	15	N	20	N
MO84S	N	N	20	150	50	50	N	<20	100	20	N	20	N
MO85S	N	N	20	200	50	50	N	<20	100	20	N	20	N
MO86S	N	N	20	200	100	50	N	<20	100	20	N	20	N
MO87S	N	N	20	150	50	50	N	<20	100	10	N	15	N
MO88S	N	N	20	300	100	70	N	<20	100	30	N	20	N
MO89S	N	N	20	300	100	70	N	<20	100	30	N	20	N
MO90S	N	N	20	200	50	70	N	<20	100	50	N	30	N

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska

--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-ZN	AA-AU-P	INST-HG	AA-ZN-P
M0465	200	300	N	50	<200	300	N	N	.22	60
M0475	200	300	N	70	200	200	N	N	.14	100
M0485	200	300	N	70	<200	300	N	N	.22	65
M0495	200	300	N	50	<200	500	N	N	.14	65
M0505	200	300	N	50	<200	300	N	N	.04	110
M0515	200	500	N	70	<200	300	N	N	.10	90
M0525	300	300	N	50	<200	1,000	N	N	.10	90
M0535	200	300	N	50	<200	300	N	N	.12	80
M0545	200	300	N	50	<200	300	N	N	.04	75
M0555	300	500	N	50	<200	200	N	N	.16	110
M0565	200	300	N	50	<200	200	N	N	.14	85
M0575	300	300	N	50	<200	200	N	N	.10	80
M0585	200	200	N	30	<200	50	N	<.05	.04	50
M0595	300	300	N	50	200	200	N	N	.04	95
M0605	200	300	N	50	<200	200	N	N	.22	90
M0615	200	300	N	50	<200	200	N	N	.08	85
M0625	200	500	N	50	<200	300	N	N	.20	80
M0635	300	300	N	50	<200	300	N	N	.10	70
M0645	200	300	N	50	N	300	N	N	.04	50
M0655	200	300	N	50	<200	200	N	N	.12	70
M0665	200	500	N	50	<200	300	N	N	.10	95
M0675	200	300	N	50	N	700	N	N	.04	50
M0685	200	200	N	50	N	500	N	N	.04	55
M0695	200	300	N	70	N	500	N	N	.06	50
M0705	200	300	N	50	N	300	N	N	.04	55
M0715	200	300	N	50	N	300	N	N	.04	65
M0725	200	300	N	50	N	500	N	N	.04	55
M0735	200	300	N	50	N	300	N	N	.06	80
M0745	200	300	N	50	N	300	N	N	.10	60
M0755	200	300	N	30	N	200	N	N	.08	50
M0765	200	500	N	50	N	700	N	N	.06	55
M0775	200	300	N	50	N	300	N	N	.10	65
M0785	200	300	N	50	N	300	N	N	.08	60
M0795	200	300	N	50	N	300	N	N	.06	55
M0805	300	700	N	50	N	500	N	N	.35	70
M0815	300	500	N	50	N	300	N	N	.12	80
M0825	200	500	N	50	N	300	N	N	.16	75
M0835	200	300	N	50	N	500	N	N	.14	65
M0845	200	300	N	50	N	300	N	N	.10	80
M0855	200	500	N	50	N	300	N	N	.18	85
M0865	300	500	N	50	N	200	N	N	.20	75
M0875	200	500	N	30	N	200	N	N	.20	80
M0885	300	500	N	50	N	300	N	N	.20	75
M0895	300	500	N	50	N	300	N	N	.20	95
M0905	300	300	N	70	N	200	N	N	.65	70

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska*

—continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M0915	63 20 12	155 37 55	7.0	1.5	1.0	1.0	1,000	N	N	N	700	700	2.0
M0925	63 19 37	155 33 15	7.0	1.5	1.0	1.0	1,000	N	N	N	1,000	1,000	2.0
M0935	63 18 10	155 30 40	7.0	1.5	1.0	1.0	1,000	N	N	N	300	1,000	2.0
M0945	63 19 35	155 22 26	7.0	.7	1.0	1.0	500	N	N	N	150	700	2.0
M0955	63 17 2	155 37 50	5.0	.7	.5	1.0	300	N	N	N	150	700	2.0
M0965	63 21 41	155 21 13	5.0	.7	.7	1.0	500	N	N	N	200	1,000	2.0
M0975	63 16 56	155 42 15	5.0	1.0	.5	1.0	500	N	N	N	200	1,000	2.0
M0985	63 1 50	155 31 44	7.0	1.0	.7	1.0	300	N	N	N	150	1,000	2.0
M0995	63 0 47	155 40 25	7.0	1.0	.7	1.0	700	N	N	N	150	1,000	2.0
M1005	63 0 40	155 49 28	7.0	1.0	.7	1.0	300	N	N	N	150	1,000	2.0
M1015	63 3 1	155 51 42	7.0	1.0	.7	1.0	700	N	N	N	150	1,000	2.0
M1025	63 2 59	155 54 52	7.0	1.0	1.0	1.0	500	N	N	N	150	1,000	2.0
M1035	63 5 20	155 48 8	5.0	.7	.7	.7	500	N	N	N	150	700	2.0
M1045	63 5 3	155 56 8	7.0	1.0	.7	1.0	1,000	N	N	N	150	1,000	2.0
M1055	63 4 53	155 52 12	7.0	1.0	1.0	1.0	700	N	N	N	150	1,000	2.0
M1065	63 7 24	155 57 52	5.0	1.0	.7	1.0	500	N	N	N	150	1,000	2.0
M1075	63 9 17	155 57 18	7.0	2.0	1.0	1.0	1,000	N	N	N	500	1,000	2.0
M1085	63 11 57	155 49 39	7.0	1.0	1.0	1.0	500	N	N	N	150	1,000	2.0
M1095	63 12 46	155 49 28	7.0	1.0	.7	1.0	500	<.5	N	N	300	1,000	2.0
M1105	63 13 13	155 59 44	10.0	2.0	1.0	1.0	1,000	N	N	N	500	1,000	2.0
M1125	63 13 48	155 45 16	7.0	1.0	.7	1.0	500	N	N	N	200	1,000	2.0
M1135	63 12 56	155 42 29	7.0	1.0	.7	1.0	500	N	N	N	200	700	2.0
M1145	63 20 24	155 55 46	7.0	1.0	.5	1.0	500	N	N	N	200	1,000	1.5
M1155	63 16 49	155 58 22	7.0	1.0	.5	1.0	300	N	N	N	200	1,000	1.5
M1165	63 20 41	155 46 43	10.0	1.0	.7	1.0	700	N	N	N	200	1,000	1.5
M1175	63 21 12	155 50 1	7.0	1.0	.7	1.0	700	N	N	N	150	1,000	1.5
M1185	63 20 25	155 46 33	10.0	1.0	.5	1.0	500	N	N	N	200	1,000	1.5
M1195	63 17 47	155 40 55	7.0	1.0	.7	1.0	500	N	N	N	200	1,000	1.5
M1205	63 23 33	155 46 20	7.0	1.0	.7	1.0	700	N	N	N	200	1,000	1.5
M1215	63 22 36	155 49 39	7.0	1.0	.3	1.0	1,000	N	N	N	200	1,000	1.5
M1225	63 23 48	155 45 45	7.0	1.0	.7	1.0	700	N	N	N	200	1,000	1.5
M1235	63 26 43	155 47 12	7.0	1.0	.7	1.0	500	N	N	N	200	1,000	1.5
M1245	63 26 25	155 42 31	7.0	1.0	.7	1.0	500	N	N	N	200	1,000	1.5
M1255	63 28 13	155 44 59	10.0	1.0	.5	1.0	700	N	N	N	300	1,000	1.5
M1265	63 26 13	155 42 31	7.0	1.0	.7	1.0	1,500	N	N	N	200	1,500	1.5
M1275	63 29 9	155 37 50	15.0	2.0	2.0	1.0	2,000	N	N	N	300	1,500	2.0
M1285	63 26 10	155 59 36	10.0	1.0	.5	1.0	1,000	N	N	N	300	1,000	1.5
M1295	63 29 42	155 46 23	10.0	1.0	.7	1.0	700	N	N	N	300	1,500	1.5
M1305	63 25 52	155 59 37	10.0	1.0	.7	1.0	700	N	N	N	300	1,500	1.5
M1315	63 32 47	155 9 15	10.0	2.0	2.0	1.0	1,000	N	N	N	100	1,500	1.5
M1325	63 29 6	155 53 23	10.0	1.0	1.0	1.0	1,000	N	N	N	300	1,500	1.5
M1335	63 31 50	155 7 54	10.0	1.0	1.0	1.0	700	N	N	N	200	1,500	1.5
M1345	63 29 18	155 53 52	15.0	1.5	1.0	1.0	200	N	N	N	500	1,500	1.5
M1355	63 31 36	155 3 28	10.0	1.0	1.0	1.0	1,000	N	N	N	150	1,500	1.5
M1365	63 29 14	155 37 5	10.0	1.0	.7	1.0	1,500	N	N	N	500	1,500	1.5

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Bedfra quadrangle, Alaska*

—continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
MD91S	N	N	20	200	50	50	N	<20	100	50	N	30	N
MD92S	N	N	20	200	50	70	N	<20	100	30	N	30	N
MD93S	N	N	20	200	50	70	N	<20	100	50	N	30	N
MD94S	N	N	10	150	20	50	N	<20	70	20	N	20	N
MD95S	N	N	10	150	15	50	N	<20	70	10	N	20	N
MD96S	N	N	10	150	20	50	N	<20	70	10	N	20	N
MD97S	N	N	10	200	20	50	N	<20	100	10	N	20	N
MD98S	N	N	10	150	10	50	N	<20	70	20	N	20	N
MD99S	N	N	20	150	10	50	N	<20	70	30	N	20	N
M100S	N	N	10	150	30	50	N	<20	70	20	N	20	N
M101S	N	N	15	150	30	50	N	<20	70	20	N	20	N
M102S	N	N	15	150	20	50	N	<20	70	30	N	20	N
M103S	N	N	10	150	20	50	N	<20	50	20	N	20	N
M104S	N	N	20	200	30	50	N	<20	70	30	N	20	N
M105S	N	N	15	150	30	50	N	<20	70	20	N	20	N
M106S	N	N	10	150	20	50	N	<20	50	20	N	20	N
M107S	N	N	20	500	50	50	N	<20	100	50	N	30	N
M108S	N	N	10	150	50	50	N	<20	50	30	N	20	N
M109S	N	N	10	150	50	50	N	<20	50	50	N	20	20
M111S	N	N	20	300	50	50	N	<20	100	50	N	30	N
M112S	N	N	15	150	30	50	N	<20	70	30	N	20	N
M113S	N	N	10	150	20	50	N	<20	30	20	N	20	N
M114S	N	N	20	150	20	50	N	<20	100	10	N	20	N
M115S	N	N	15	150	20	50	N	<20	70	10	N	20	N
M116S	N	N	20	150	30	50	N	<20	100	15	N	20	N
M117S	N	N	20	150	20	50	N	<20	70	15	N	20	N
M118S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M119S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M120S	N	N	20	150	50	50	N	<20	100	15	N	20	N
M121S	N	N	20	150	50	50	N	<20	100	15	N	20	N
M122S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M123S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M124S	N	N	20	200	50	50	N	<20	100	20	N	20	N
M125S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M126S	N	N	20	150	50	50	N	<20	100	30	N	20	N
M127S	N	N	30	200	100	50	N	<20	100	50	N	30	N
M128S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M129S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M130S	N	N	20	150	30	50	N	<20	100	15	N	20	N
M131S	N	N	20	200	50	50	N	<20	100	30	N	30	N
M132S	N	N	20	200	30	50	N	<20	100	20	N	20	N
M133S	N	N	20	150	20	50	N	<20	50	30	N	20	N
M134S	N	N	30	150	100	50	N	<20	100	30	N	30	N
M135S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M136S	N	N	20	150	30	50	N	<20	100	30	N	20	200

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Sudsin quadrangle, Alaska*

--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-ZN-P
M091S	300	300	N	50	<200	200	N	N	1.40	75
M092S	300	300	N	70	N	200	N	N	.26	70
M093S	200	300	N	70	N	200	N	N	.60	70
M094S	200	300	N	50	N	300	N	N	.06	60
M095S	200	300	N	50	N	300	N	N	.10	65
M096S	200	300	N	50	N	300	N	N	.10	50
M097S	200	300	N	30	<200	200	N	N	.10	90
M098S	200	300	N	50	N	300	N	N	.08	70
M099S	200	300	N	70	N	200	N	N	.06	80
M100S	200	300	N	70	N	200	N	N	.20	65
M101S	200	300	N	50	N	200	N	N	.08	75
M102S	200	300	N	70	N	300	N	N	.16	70
M103S	200	300	N	70	N	200	N	N	.12	95
M104S	200	300	N	50	N	200	N	N	1.30	80
M105S	200	300	N	70	N	300	N	N	.18	65
M106S	200	300	N	50	N	300	N	N	.08	50
M107S	200	300	N	50	N	200	N	N	.12	95
M108S	200	300	N	70	N	200	N	N	.10	65
M109S	200	300	N	70	N	300	N	N	.08	190
M111S	200	300	N	50	N	200	N	N	.12	100
M112S	200	300	N	50	<200	200	N	N	.12	80
M113S	200	300	N	50	N	500	N	N	.14	50
M114S	200	300	N	50	<200	300	N	N	.12	80
M115S	200	300	N	50	<200	300	N	N	.12	70
M116S	200	300	N	50	<200	300	N	N	.24	85
M117S	200	300	N	50	<200	300	N	N	.18	80
M118S	200	300	N	70	<200	200	N	N	.80	100
M119S	200	300	N	50	N	300	N	N	.10	70
M120S	200	300	N	70	N	200	N	N	.30	95
M121S	200	300	N	50	<200	200	N	N	.10	90
M122S	200	300	N	70	N	300	N	N	.26	90
M123S	200	300	N	50	<200	200	N	N	.26	70
M124S	200	300	N	50	N	200	N	N	.12	90
M125S	200	300	N	50	200	200	N	N	.06	130
M126S	200	300	N	70	<200	200	N	N	.12	100
M127S	1,000	500	N	70	N	500	N	N	.06	55
M128S	200	300	N	50	N	200	N	N	.20	95
M129S	200	500	N	50	N	300	N	N	.08	110
M130S	200	500	N	50	N	200	N	N	.16	90
M131S	300	500	N	50	N	300	N	N	.18	60
M132S	200	500	N	50	N	500	N	N	.16	75
M133S	300	300	N	70	N	300	N	N	.12	55
M134S	300	500	N	70	N	300	N	N	.28	100
M135S	300	300	N	70	N	300	N	N	.16	60
M136S	200	300	N	70	200	200	N	N	.08	220

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Nulato quadrangle, Alaska

—continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M137S	63 54 26	155 3 5	7.0	1.0	1.0	.7	700	N	N	N	150	1,000	2.0
M138S	63 29 26	155 37 10	7.0	1.0	.7	.7	500	N	N	N	200	1,000	2.0
M139S	63 54 47	155 3 1	7.0	1.0	1.0	.7	500	N	N	N	150	1,000	2.0
M140S	63 56 17	155 3 32	7.0	1.0	1.5	1.0	1,000	N	N	N	50	1,000	1.5
M141S	63 59 15	155 5 7	7.0	1.0	1.0	1.0	1,000	N	N	N	150	1,000	2.0
M142S	63 52 26	155 16 46	7.0	1.0	1.0	.7	1,000	N	N	N	150	1,500	2.0
M143S	63 54 35	155 18 36	7.0	1.0	1.0	.7	700	N	N	N	150	1,500	2.0
M144S	63 57 8	155 19 31	7.0	1.0	1.0	.7	1,000	N	N	N	150	1,000	2.0
M145S	63 58 27	155 16 37	7.0	1.0	1.0	1.0	500	N	N	N	200	1,500	1.5
M146S	63 56 44	155 12 11	10.0	1.5	1.0	.7	1,000	5.0	N	N	200	1,000	1.5
M147S	63 56 32	155 11 29	7.0	1.0	1.0	.7	1,500	N	N	N	150	1,000	1.5
M148S	63 57 25	155 10 16	10.0	1.0	1.0	1.0	1,500	N	N	N	150	1,000	1.5
M149S	63 55 21	155 6 51	10.0	1.5	1.5	1.0	1,000	N	N	N	150	1,500	1.5
M150S	63 51 30	156 14 56	10.0	1.5	1.0	.7	1,000	N	N	N	200	1,500	2.0
M151S	63 53 15	156 13 27	10.0	1.5	1.5	.7	1,000	N	N	N	200	2,000	2.0
M152S	63 53 22	154 51 46	10.0	1.0	.7	.7	700	N	N	N	300	1,500	2.0
M153S	63 54 28	154 50 0	5.0	.7	.7	.5	1,000	N	N	N	200	700	1.5
M154S	63 53 51	154 2 47	7.0	5.0	5.0	.7	700	N	N	N	200	700	1.5
M155S	63 54 14	154 4 5	7.0	5.0	5.0	.5	1,000	N	N	N	200	700	1.5
M156S	63 53 33	154 2 56	7.0	10.0	20.0	.5	500	N	N	N	70	300	<1.0
M158S	63 50 53	154 11 13	5.0	10.0	20.0	.3	500	N	N	N	50	200	<1.0
M159S	63 53 50	153 57 29	10.0	1.5	2.0	.7	700	N	N	N	200	1,000	1.5
M160S	63 51 26	154 2 6	10.0	2.0	3.0	.5	500	N	N	N	200	1,000	1.5
M161S	63 54 56	153 58 42	7.0	2.0	2.0	.5	1,000	N	N	N	200	1,000	1.5
M162S	63 54 57	153 54 28	10.0	1.0	1.0	1.0	700	N	N	N	150	1,000	2.0
M163S	63 43 21	153 54 38	7.0	1.5	1.0	1.0	1,500	N	N	N	150	1,000	2.0
M164S	63 39 46	153 55 54	10.0	1.0	1.5	1.0	700	N	N	N	150	1,000	2.0
M165S	63 44 51	153 55 24	7.0	1.5	1.0	1.0	700	N	N	N	100	1,000	2.0
M166S	63 39 51	153 50 21	10.0	3.0	3.0	1.0	700	N	N	N	200	1,000	2.0
M167S	63 41 43	153 42 46	7.0	3.0	7.0	1.0	700	N	N	N	150	1,000	2.0
M168S	63 45 50	153 47 48	7.0	1.5	1.5	1.0	1,000	N	N	N	200	1,000	2.0
M169S	63 39 26	153 44 39	7.0	2.0	2.0	1.0	1,000	N	N	N	150	1,000	1.5
M170S	63 41 23	153 43 42	7.0	3.0	5.0	.7	1,000	N	N	N	150	1,000	1.5
M171S	63 7 38	155 8 42	10.0	1.5	1.5	1.0	1,000	N	N	N	150	1,500	2.0
M172S	63 9 13	155 3 22	7.0	1.5	1.0	.7	500	N	N	N	150	1,500	2.0
M175S	63 9 21	155 11 35	10.0	1.5	1.0	1.0	1,000	N	N	N	150	1,000	2.0
M176S	63 6 10	155 13 25	10.0	1.5	1.0	1.0	700	N	N	N	150	1,500	2.0
M177S	63 14 47	154 52 45	7.0	1.5	1.0	.7	500	N	N	N	150	1,500	2.0
M177S	63 17 29	154 46 44	7.0	1.5	1.5	.7	700	N	N	N	200	1,000	2.0
M178S	63 16 7	154 46 38	10.0	1.5	1.5	1.0	700	N	N	N	150	1,000	2.0
M179S	63 20 32	154 41 28	7.0	1.5	1.0	.7	700	N	N	N	150	1,500	2.0
M180S	63 18 15	154 41 35	10.0	1.5	1.0	.7	700	N	N	N	200	1,500	2.0
M181S	63 22 39	154 41 3	7.0	1.5	.7	.7	700	N	N	N	200	1,500	2.0
M182S	63 21 1	154 38 26	10.0	1.5	.7	.7	1,000	N	N	N	200	1,500	2.0
M183S	63 22 35	154 31 35	10.0	5.0	10.0	.5	1,500	N	N	N	150	1,000	2.0

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Mulchatna quadrangle, Alaska

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Sample	S-BI	S-CO	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
M137S	N	N	20	150	20	50	N	<20	50	15	N	20	N
M138S	N	N	20	150	20	50	N	<20	100	15	N	20	N
M139S	N	N	30	150	20	50	N	<20	70	15	N	20	N
M140S	N	N	20	150	20	50	N	<20	70	20	N	20	N
M141S	N	N	20	150	20	50	N	<20	100	15	N	20	N
M142S	N	N	20	150	20	50	N	<20	70	20	N	20	N
M143S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M144S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M145S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M146S	N	N	30	200	30	50	N	<20	100	20	N	20	N
M147S	N	N	20	150	20	50	N	<20	50	15	N	20	N
M148S	N	N	30	200	50	50	N	<20	70	20	N	30	N
M149S	N	N	20	200	30	50	N	<20	100	20	N	20	N
M150S	N	N	20	200	50	50	N	<20	150	20	N	20	N
M151S	N	N	20	150	30	50	N	<20	50	20	N	20	N
M152S	N	N	20	200	50	50	N	<20	100	20	N	20	N
M153S	N	N	<5	100	15	50	N	<20	50	10	N	10	N
M154S	N	N	15	150	30	50	N	<20	70	20	N	20	N
M155S	N	N	15	150	70	50	N	<20	70	500	N	20	N
M156S	N	N	10	150	15	50	N	<20	30	20	N	7	N
M158S	N	N	<5	150	10	50	N	<20	20	10	N	5	N
M159S	N	N	20	200	30	50	N	<20	100	15	N	20	N
M160S	N	N	20	150	20	50	N	<20	70	15	N	20	N
M161S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M162S	N	N	20	200	30	50	N	<20	100	20	N	20	N
M163S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M164S	N	N	20	200	50	50	N	<20	100	20	N	20	N
M165S	N	N	15	150	15	50	N	<20	50	10	N	20	N
M166S	N	N	30	300	50	50	N	<20	100	20	N	30	N
M167S	N	N	20	150	20	50	N	<20	50	15	N	20	N
M168S	N	N	20	150	30	50	N	<20	70	15	N	20	N
M169S	N	N	15	150	20	50	N	<20	50	15	N	20	N
M170S	N	N	15	150	20	50	N	<20	50	15	N	20	N
M171S	N	N	50	200	30	50	N	<20	50	30	N	30	N
M172S	N	N	30	150	30	50	N	<20	50	20	N	20	N
M173S	N	N	30	150	30	50	N	<20	50	30	N	20	N
M174S	N	N	20	200	30	50	N	<20	50	30	N	20	N
M175S	N	N	20	150	50	50	N	<20	70	30	N	20	N
M177S	N	N	20	150	30	50	N	<20	50	20	N	20	N
M178S	N	N	30	150	50	50	N	<20	70	100	N	20	N
M179S	N	N	20	150	30	50	N	<20	70	30	N	20	N
M180S	N	N	30	200	50	50	N	<20	100	30	N	20	N
M181S	N	N	30	150	30	50	N	<20	70	20	N	20	N
M182S	N	N	50	150	50	50	N	<20	100	20	N	20	N
M183S	N	N	30	150	30	50	N	<20	100	50	N	20	N

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Rodfix quadrangle, Alaska*

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Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-ZN-P
M137S	300	300	N	50	N	200	N	N	.12	60
M138S	200	300	N	50	<200	200	N	N	.12	110
M139S	200	300	N	50	N	200	N	N	.20	90
M140S	300	300	N	50	N	200	N	N	.08	55
M141S	300	300	N	50	<200	200	N	N	.06	70
M142S	300	300	N	70	N	300	N	N	.12	55
M143S	200	300	N	70	N	500	N	N	.10	65
M144S	300	300	N	50	N	300	N	N	.12	75
M145S	200	300	N	70	N	300	N	N	.16	70
M146S	300	300	N	70	<200	200	N	N	.10	70
M147S	200	300	N	70	N	300	N	N	.12	70
M148S	300	300	N	70	N	500	N	N	.10	75
M149S	300	300	N	70	N	200	N	N	.08	75
M150S	200	500	N	70	<200	300	N	N	.12	100
M151S	700	300	N	70	<200	300	N	N	.12	70
M152S	200	500	N	70	<200	200	N	N	.10	100
M153S	200	300	N	50	200	70	N	N	.04	110
M154S	200	300	N	70	<200	300	N	N	.10	70
M155S	200	300	N	70	200	150	N	N	.10	320
M156S	200	150	N	50	N	50	N	N	.12	25
M158S	200	150	N	30	N	50	N	N	.04	20
M159S	200	300	N	70	N	500	N	N	.10	60
M160S	200	300	N	50	N	300	N	N	.10	50
M161S	300	300	N	50	<200	200	N	N	.10	70
M162S	300	300	N	50	<200	200	N	N	.06	65
M163S	200	300	N	50	<200	300	N	N	.10	75
M164S	200	300	N	50	N	300	N	N	.12	80
M165S	300	200	N	70	<200	300	N	N	.08	55
M166S	300	300	N	70	N	300	N	N	.08	60
M167S	300	300	N	50	N	300	N	N	.06	60
M168S	300	300	N	50	N	200	N	N	.12	65
M169S	300	300	N	70	N	300	N	N	.26	60
M170S	300	300	N	50	N	200	N	N	.08	60
M171S	500	300	N	70	<200	500	N	N	.04	65
M172S	300	300	N	50	<200	200	N	N	.06	65
M173S	300	300	N	50	N	500	N	N	.04	60
M174S	300	300	N	50	<200	300	N	N	.04	55
M175S	300	300	N	70	<200	300	N	N	.06	75
M177S	300	300	N	70	<200	300	N	N	.08	70
M178S	300	300	N	70	N	300	N	N	.06	75
M179S	300	300	N	50	<200	300	N	N	.02	70
M180S	200	300	N	70	<200	300	N	N	.04	85
M181S	200	300	N	70	<200	300	N	N	.08	85
M182S	200	300	N	70	200	300	N	N	.06	100
M183S	200	300	N	50	<200	300	N	N	.06	75

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska

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Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M1845	63 21 11	154 37 22	10.0	2.0	2.0	.7	1,500	N	N	N	100	1,000	2.0
M1855	63 23 40	154 46 20	7.0	1.0	1.0	.7	500	N	N	N	100	1,500	2.0
M1865	63 23 14	154 44 30	10.0	2.0	1.0	1.0	1,000	N	N	N	150	1,500	2.0
M1875	63 21 2	154 53 6	7.0	1.0	1.0	.7	500	N	N	N	150	1,500	2.0
M1885	63 23 3	154 47 46	7.0	1.0	.7	.7	200	N	N	N	200	1,500	2.0
M1895	63 21 15	154 59 1	7.0	1.0	.7	.7	500	N	N	N	150	1,500	2.0
M1905	63 20 39	154 56 56	10.0	1.0	1.0	.7	700	N	N	N	200	1,500	2.0
M1915	63 20 7	155 3 38	10.0	1.5	1.0	.7	500	N	N	N	200	1,500	2.0
M1925	63 20 42	155 0 27	10.0	1.0	1.0	.7	700	N	N	N	200	1,500	2.0
M1935	63 23 29	155 5 11	10.0	1.5	.7	.7	500	N	N	N	150	1,500	2.0
M1945	63 21 30	155 7 15	10.0	1.0	.7	.7	500	N	N	N	150	1,500	2.0
M1955	63 26 11	155 7 52	7.0	1.0	.5	1.0	700	N	N	N	150	1,500	2.0
M1965	63 24 47	155 3 51	5.0	.5	.5	1.0	500	N	N	N	150	1,500	2.0
M1975	63 26 39	155 16 32	7.0	1.0	.7	1.0	500	N	N	N	200	1,000	2.0
M1985	63 25 47	155 12 40	5.0	.7	.7	1.0	500	N	N	N	100	1,000	2.0
M1995	63 46 21	153 52 50	7.0	1.0	2.0	1.0	700	N	N	N	200	1,000	2.0
M2005	63 28 16	155 21 16	7.0	1.0	.7	1.0	700	N	N	N	150	1,000	2.0
M2015	63 46 40	153 48 48	7.0	1.0	1.0	.7	2,000	N	N	N	150	1,000	2.0
M2025	63 49 19	153 47 37	7.0	3.0	7.0	.5	500	N	N	N	100	700	1.0
M2035	63 52 0	153 37 38	7.0	5.0	10.0	.5	1,000	N	N	N	100	700	1.0
M2045	63 54 48	153 33 33	7.0	3.0	10.0	.5	700	N	N	N	100	700	1.0
M2055	63 56 22	153 33 12	7.0	2.0	2.0	.7	500	N	N	N	200	1,000	1.5
M2065	63 54 46	153 29 54	7.0	2.0	2.0	.7	700	N	N	N	200	1,000	1.0
M2075	63 58 11	153 18 17	7.0	2.0	2.0	.7	700	N	N	N	200	1,000	1.0
M2085	63 56 59	153 12 34	7.0	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M2095	63 57 5	153 5 28	10.0	1.0	1.0	.5	700	N	N	N	150	700	2.0
M2105	63 58 1	153 3 43	7.0	1.0	1.0	.7	700	N	N	N	150	1,000	2.0
M2115	63 56 39	153 7 17	10.0	1.5	1.0	1.0	700	N	N	N	150	1,000	1.0
M2125	61 56 2	153 0 32	7.0	1.0	1.0	1.0	500	N	N	N	150	1,000	1.5
M2135	63 52 44	153 5 29	10.0	1.5	1.0	1.0	1,500	N	N	N	150	1,000	1.0
M2145	63 43 52	154 6 17	7.0	1.5	2.0	.7	1,500	N	N	N	150	1,000	1.0
M2155	63 51 24	153 19 25	7.0	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M2165	63 50 30	153 18 21	10.0	1.5	1.0	.7	1,000	N	N	N	150	1,000	1.0
M2175	63 49 0	153 13 31	7.0	1.0	1.0	1.0	700	N	N	N	150	1,000	1.0
M2185	63 47 44	153 16 53	7.0	1.5	1.5	1.0	1,000	N	N	N	150	1,000	1.0
M2195	63 46 25	153 19 15	7.0	1.5	2.0	1.0	700	N	N	N	100	1,000	1.0
M2205	63 49 38	153 12 14	10.0	1.5	2.0	1.0	1,000	N	N	N	200	1,000	1.0
M2215	63 46 21	153 2 53	10.0	1.5	1.5	1.0	700	N	N	N	200	1,000	1.0
M2225	63 49 36	153 5 59	10.0	1.5	1.5	1.0	700	N	N	N	150	1,000	1.0
M2235	63 51 4	153 9 2	10.0	1.5	1.5	.7	1,000	N	N	N	150	1,500	1.0
M2245	63 51 47	153 8 23	10.0	1.5	1.5	.7	700	N	N	N	150	1,500	1.0
M2255	63 51 50	153 3 30	7.0	1.5	1.5	.7	1,000	N	N	N	200	1,500	1.0
M2265	63 53 13	153 15 1	10.0	1.5	1.5	.7	1,000	N	N	N	100	1,500	1.0
M2275	63 54 46	153 14 2	10.0	1.5	1.0	.7	200	N	N	N	100	1,500	1.0
M2285	63 55 19	153 20 52	7.0	2.0	2.0	.7	700	N	N	N	150	1,000	1.0

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska*

—continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
M184S	N	N	30	150	30	50	N	<20	100	30	N	20	N
M185S	N	N	20	200	30	50	N	<20	100	20	N	20	N
M186S	N	N	50	300	30	50	N	<20	150	20	N	20	N
M187S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M188S	N	N	20	150	15	70	N	<20	100	10	N	20	N
M189S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M190S	N	N	20	200	20	50	N	<20	100	20	N	20	N
M191S	N	N	20	200	50	50	N	<20	100	50	N	20	N
M192S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M193S	N	N	20	150	10	50	N	<20	100	30	N	20	N
M194S	N	N	20	150	15	50	N	<20	70	10	N	20	N
M195S	N	N	30	300	70	50	N	<20	100	20	N	20	N
M196S	N	N	20	150	20	50	N	<20	70	20	N	10	N
M197S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M198S	N	N	<5	150	10	50	N	<20	50	15	N	10	N
M199S	N	N	20	150	20	70	N	<20	100	20	N	20	N
M200S	N	N	20	150	30	50	N	<20	100	15	N	20	N
M201S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M202S	N	N	10	150	20	50	N	<20	100	20	N	10	N
M203S	N	N	10	150	15	50	N	<20	70	20	N	10	N
M204S	N	N	10	150	15	50	N	<20	70	20	N	10	N
M205S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M206S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M207S	N	N	20	200	20	50	N	<20	100	20	N	20	N
M208S	N	N	15	150	15	50	N	<20	30	20	N	20	N
M209S	N	N	15	150	20	70	N	<20	20	100	N	10	N
M210S	N	N	10	150	20	70	N	<20	30	30	N	20	N
M211S	N	N	10	150	20	70	N	<20	30	20	N	20	N
M212S	N	N	20	150	20	50	N	<20	50	20	N	20	N
M213S	N	N	20	200	20	70	N	<20	50	20	N	20	N
M214S	N	N	20	150	50	70	N	<20	100	20	N	20	N
M215S	N	N	20	150	50	70	N	<20	100	20	N	20	N
M216S	N	N	30	200	30	70	N	<20	100	30	N	20	N
M217S	N	N	20	150	20	70	N	<20	50	20	N	20	N
M218S	N	N	20	200	20	70	N	<20	50	20	N	20	N
M219S	N	N	30	200	50	100	N	<20	100	20	N	30	N
M220S	N	N	30	150	30	70	N	<20	100	20	N	20	N
M221S	N	N	20	200	20	70	N	<20	100	15	N	20	N
M222S	N	N	30	200	50	70	N	<20	100	30	N	20	N
M223S	N	N	30	150	30	50	N	<20	70	20	N	20	N
M224S	N	N	30	150	20	50	N	<20	50	20	N	20	N
M225S	N	N	20	150	50	70	N	<20	50	15	N	20	N
M226S	N	N	30	150	20	50	N	<20	30	20	N	20	N
M227S	N	N	50	150	20	50	N	<20	50	20	N	20	N
M228S	N	N	20	150	50	50	N	<20	70	20	N	20	N

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Bettles quadrangle, Alaska

—Continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-TH-P
M1845	200	300	N	50	200	300	N	N	.06	90
M1855	200	300	N	70	<200	500	N	N	.06	80
M1865	300	300	N	50	<200	200	N	N	<.02	75
M1875	200	300	N	50	<200	200	N	N	.08	75
M1885	200	300	N	50	<200	300	N	N	.10	65
M1895	200	300	N	70	<200	500	N	N	.10	75
M1905	200	300	N	70	<200	300	N	N	.06	75
M1915	200	300	N	70	<200	300	N	N	.04	60
M1925	200	300	N	50	200	300	N	N	.06	80
M1935	200	500	N	70	<200	300	N	N	.06	95
M1945	200	300	N	50	<200	500	N	N	.06	60
M1955	200	500	N	50	<200	200	N	N	1.80	110
M1965	200	300	N	50	<200	300	N	N	1.10	70
M1975	200	500	N	50	<200	300	N	N	.08	80
M1985	200	200	N	50	<200	300	N	N	.16	55
M1995	300	300	N	50	<200	300	N	N	.04	90
M2005	200	300	N	50	<200	200	N	N	.08	90
M2015	200	300	N	50	<200	200	N	N	.04	80
M2025	300	300	N	50	<200	150	N	N	.04	55
M2035	200	300	N	50	<200	100	N	N	.02	45
M2045	200	200	N	50	<200	150	N	N	.04	55
M2055	300	300	N	50	<200	200	N	N	.04	75
M2065	300	300	N	50	N	200	N	N	.15	70
M2075	300	300	N	50	N	500	N	N	.04	60
M2085	200	300	N	50	<200	500	N	N	.06	60
M2095	200	200	N	50	N	300	N	N	.06	65
M2105	200	300	N	50	<200	300	N	N	.04	55
M2115	200	300	N	50	<200	500	N	N	.04	45
M2125	300	300	N	50	N	300	N	N	.20	45
M2135	300	300	N	50	N	300	N	N	.02	60
M2145	300	300	N	50	N	300	N	N	.02	75
M2155	300	300	N	50	N	200	N	N	.08	65
M2165	300	300	N	50	N	500	N	N	.10	65
M2175	300	300	N	50	N	300	N	N	.06	55
M2185	300	300	N	50	N	700	N	N	.04	50
M2195	300	300	N	50	N	500	N	N	.04	65
M2205	300	300	N	50	<200	500	N	N	.02	60
M2215	300	300	N	50	<200	700	N	N	.02	45
M2225	300	300	N	50	N	300	N	N	.08	60
M2235	300	300	N	50	N	300	N	N	.06	60
M2245	300	300	N	50	N	500	N	N	.06	55
M2255	300	300	N	50	N	300	N	N	.04	65
M2265	300	300	N	50	N	300	N	N	.02	70
M2275	300	300	N	50	<200	300	N	N	.06	65
M2285	300	300	N	50	N	300	N	N	.04	60

Table 6.—*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska*

—continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M229S	63 53 33	153 23 19	7.0	2.0	1.5	.7	700	N	N	N	150	1,500	1.0
M230S	63 53 47	153 21 41	10.0	1.5	2.0	.7	1,000	N	N	N	150	1,500	1.0
M231S	63 50 44	153 25 25	10.0	1.5	2.0	.7	500	N	N	N	150	1,500	1.0
M232S	63 48 51	153 28 38	10.0	3.0	3.0	.7	500	N	N	N	150	1,500	1.0
M233S	63 28 59	154 15 26	7.0	10.0	20.0	.3	700	N	N	N	100	200	<1.0
M234S	63 29 24	154 25 28	5.0	1.0	1.0	.5	1,500	N	N	N	300	1,500	1.5
M235S	63 30 0	154 4 10	7.0	5.0	15.0	.3	2,000	N	N	N	150	700	1.0
M236S	63 28 41	154 8 14	7.0	5.0	10.0	.5	700	N	N	N	200	700	1.0
M237S	63 29 6	154 7 42	5.0	7.0	20.0	.3	300	N	N	N	100	300	<1.0
M238S	63 25 44	154 3 43	7.0	3.0	5.0	.5	700	N	N	N	200	1,500	1.0
M239S	63 28 41	154 6 28	7.0	3.0	5.0	.5	1,000	N	N	N	100	1,000	1.0
M240S	63 27 34	154 9 27	10.0	5.0	5.0	.5	1,000	N	N	N	200	1,500	1.0
M241S	63 27 9	154 10 23	7.0	5.0	10.0	.3	1,000	N	N	N	200	500	<1.0
M242S	63 25 51	154 10 32	3.0	1.0	2.0	.5	300	N	N	N	100	1,000	1.0
M243S	63 25 9	154 12 8	7.0	3.0	7.0	.5	700	N	N	N	200	1,000	1.0
M244S	63 24 25	154 8 0	7.0	1.5	1.0	1.0	500	N	N	N	200	1,500	1.5
M245S	63 22 14	154 11 13	7.0	1.5	1.0	1.0	500	N	N	N	200	100	1.5
M246S	63 26 58	154 19 29	3.0	10.0	>20.0	.2	200	N	N	N	100	200	1.0
M247S	63 26 34	154 22 37	10.0	3.0	7.0	.5	1,000	N	N	N	200	1,000	2.0
M248S	63 26 20	154 25 3	10.0	3.0	5.0	.7	2,000	N	N	N	300	1,000	2.0
M249S	63 24 52	154 23 31	5.0	5.0	10.0	.3	500	N	N	N	100	700	1.0
M250S	63 43 47	154 20 7	10.0	2.0	1.0	.5	1,000	N	N	N	300	2,000	2.0
M251S	63 44 5	154 20 26	5.0	1.0	1.0	.5	500	N	N	N	200	1,500	1.0
M252S	63 43 42	154 15 29	7.0	2.0	1.0	.7	500	N	N	N	200	1,500	1.0
M253S	63 47 43	154 13 20	7.0	2.0	1.0	.7	700	N	N	N	200	1,000	1.0
M254S	63 48 17	154 18 17	7.0	2.0	2.0	.7	700	N	N	N	200	1,000	1.0
M255S	63 51 14	154 24 3	10.0	2.0	1.5	.7	700	N	N	N	200	1,500	1.0
M256S	63 55 2	154 28 1	10.0	2.0	1.5	1.0	700	N	N	N	200	1,000	1.0
M257S	63 55 17	154 23 23	10.0	2.0	1.5	1.0	1,000	N	N	N	200	1,000	1.0
M258S	63 55 28	154 24 5	10.0	2.0	1.5	1.0	700	N	N	N	200	1,500	1.0
M259S	63 55 42	154 21 36	10.0	2.0	2.0	1.0	1,000	N	N	N	300	1,000	1.0
M260S	63 58 34	154 21 9	10.0	2.0	2.0	1.0	700	N	N	N	200	1,500	1.0
M261S	63 57 57	154 9 51	10.0	2.0	1.5	.7	100	N	N	N	200	1,500	1.0
M262S	63 56 46	154 11 29	10.0	2.0	1.0	.7	500	N	N	N	300	1,500	1.0
M263S	63 56 25	154 11 20	10.0	2.0	1.5	.7	700	N	N	N	300	1,000	1.0
M264S	63 52 36	154 10 33	10.0	2.0	2.0	.7	700	N	N	N	300	1,000	1.0
M265S	63 50 24	154 5 49	10.0	2.0	1.5	.7	1,000	N	N	N	200	1,500	1.0
M266S	63 49 10	154 4 21	10.0	2.0	2.0	.7	1,000	N	N	N	200	1,500	1.0
M267S	63 46 22	154 8 13	10.0	2.0	1.5	.7	1,000	N	N	N	200	1,500	1.0
M268S	63 44 50	154 7 48	10.0	2.0	1.5	.5	1,000	N	N	N	200	1,500	1.0
M269S	63 43 44	154 7 9	10.0	1.0	2.0	.7	700	N	N	N	200	1,500	1.5
M270S	63 42 12	154 6 54	7.0	3.0	10.0	.5	500	N	N	N	150	700	1.0
M271S	63 6 35	154 8 33	7.0	1.5	1.5	1.0	1,000	N	N	N	150	1,500	1.0
M272S	63 7 12	153 56 13	7.0	1.5	2.0	1.0	1,000	N	N	10	150	1,000	1.0
M273S	63 10 13	153 54 27	7.0	1.5	1.0	.7	700	N	N	N	150	1,000	1.0

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska

—continued

Sample	S-BI	S-CA	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
M2295	N	N	20	150	50	50	N	<20	70	20	N	20	N
M2305	N	N	30	200	50	70	N	<20	70	20	N	20	N
M2315	N	N	20	150	30	70	N	<20	70	20	N	20	N
M2325	N	N	20	150	50	70	N	<20	70	20	N	20	N
M2335	N	N	<5	100	10	50	N	<20	20	20	N	5	N
M2345	N	N	20	200	20	50	N	<20	50	20	N	20	N
M2355	N	N	20	150	20	50	N	<20	50	20	N	20	N
M2365	N	N	20	150	50	50	N	<20	100	50	N	20	N
M2375	N	N	<5	150	20	50	N	<20	50	30	N	5	N
M2385	N	N	20	150	30	50	N	<20	100	20	N	20	N
M2395	N	N	20	150	70	50	N	<20	100	50	N	20	N
M2405	N	N	20	150	50	50	N	<20	100	30	N	20	N
M2415	N	N	15	150	30	50	N	<20	100	30	N	15	N
M2425	N	N	10	150	50	50	N	<20	100	30	N	15	N
M2435	N	N	20	150	50	50	N	<20	100	50	N	15	N
M2445	N	N	20	150	50	50	N	<20	100	30	N	20	N
M2455	N	N	20	200	50	70	N	<20	100	30	N	20	N
M2465	N	N	<5	100	10	50	N	<20	100	20	N	<5	N
M2475	N	N	20	200	50	50	N	<20	100	30	N	20	N
M2485	N	N	20	200	20	50	N	<20	70	50	N	20	N
M2495	N	N	<5	150	20	50	N	<20	50	20	N	10	N
M2505	N	N	30	200	50	50	N	<20	100	50	N	20	N
M2515	N	N	20	150	20	50	N	<20	50	20	N	20	N
M2525	N	N	20	200	50	50	N	<20	100	30	N	20	N
M2535	N	N	20	150	30	50	N	<20	100	20	N	20	N
M2545	N	N	20	150	30	50	N	<20	100	20	N	20	N
M2555	N	N	30	200	50	50	N	<20	100	20	N	20	N
M2565	N	N	30	200	50	50	N	<20	100	20	N	20	N
M2575	N	N	30	200	30	50	N	<20	100	20	N	20	N
M2585	N	N	30	200	30	50	N	<20	100	20	N	20	N
M2595	N	N	30	200	30	50	N	<20	100	50	N	20	N
M2605	N	N	30	150	50	50	N	<20	100	20	N	20	N
M2615	N	N	30	150	50	50	N	<20	100	30	N	20	N
M2625	N	N	30	200	50	50	N	<20	100	30	N	20	N
M2635	N	N	30	150	20	50	N	<20	100	20	N	20	N
M2645	N	N	20	150	20	50	N	<20	100	50	N	20	N
M2655	N	N	20	150	50	50	N	<20	100	30	N	20	N
M2665	N	N	20	150	50	50	N	<20	100	20	N	20	N
M2675	N	N	20	200	50	50	N	<20	100	20	N	20	N
M2685	N	N	20	150	50	50	N	<20	100	20	N	20	N
M2695	N	N	20	150	50	50	N	<20	100	30	N	20	N
M2705	N	N	10	150	30	50	N	<20	70	50	N	15	N
M2715	N	N	20	150	30	50	N	<20	70	20	N	20	N
M2725	N	N	20	150	20	50	N	<20	50	20	N	30	N
M2735	N	N	20	150	50	50	N	<20	70	30	N	20	N

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfra quadrangle, Alaska

--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-ZN-P
M2295	300	300	N	50	N	300	N	N	.08	60
M2305	300	300	N	50	N	300	N	N	.02	60
M2315	300	300	N	50	<200	300	N	N	.02	55
M2325	300	300	N	50	<200	300	N	N	.06	55
M2335	200	100	N	10	N	30	N	N	.04	25
M2345	300	300	N	50	<200	150	N	N	.08	80
M2355	200	300	N	50	<200	150	N	N	.04	55
M2365	200	300	N	50	<200	100	N	N	.04	80
M2375	200	200	N	30	<200	50	N	N	.02	80
M2385	200	500	N	50	<200	300	N	N	.04	65
M2395	200	300	N	50	<200	300	N	N	.06	65
M2405	200	500	N	50	<200	200	N	N	.06	80
M2415	200	300	N	30	<200	100	N	N	.10	70
M2425	200	300	N	50	200	100	N	N	.14	200
M2435	300	300	N	50	300	150	N	N	.08	240
M2445	200	300	N	50	<200	200	N	N	.06	75
M2455	200	300	N	70	<200	300	N	N	.12	60
M2465	200	200	N	10	<200	30	N	N	.10	45
M2475	500	300	N	50	<200	200	N	N	.22	95
M2485	500	300	N	50	<200	300	N	N	.26	80
M2495	200	200	N	50	500	50	N	N	.26	180
M2505	500	300	N	50	<200	300	N	N	.18	100
M2515	300	300	N	50	<200	200	N	<.05	.18	80
M2525	300	300	N	50	N	300	N	N	.18	85
M2535	200	300	N	50	<200	300	N	N	.18	65
M2545	200	300	N	50	<200	300	N	N	.18	60
M2555	200	300	N	50	N	300	N	N	.14	75
M2565	200	300	N	50	N	500	N	<.05	.08	60
M2575	200	300	N	50	N	500	N	N	.08	55
M2585	300	300	N	50	N	300	N	N	.08	65
M2595	300	300	N	50	N	300	N	N	.14	65
M2605	300	300	N	50	N	500	N	N	.06	75
M2615	300	300	N	50	N	300	N	N	.20	85
M2625	300	300	N	50	N	300	N	N	.06	65
M2635	300	300	N	50	N	500	N	N	.04	50
M2645	300	300	N	50	N	300	N	N	.04	50
M2655	300	300	N	50	N	300	N	N	.18	55
M2665	300	300	N	50	N	500	N	N	.04	50
M2675	300	300	N	50	N	300	N	N	.06	60
M2685	300	300	N	50	<200	200	N	N	.04	55
M2695	300	300	N	50	N	200	N	N	.10	65
M2705	300	300	N	20	N	200	N	N	.06	55
M2715	300	300	N	50	N	300	N	N	.06	55
M2725	300	300	N	70	N	700	N	N	.06	65
M2735	300	300	N	50	N	300	N	N	.08	60

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska

--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M2745	63 10 21	153 54 0	7.0	1.5	1.5	1.0	1,000	N	N	N	150	1,000	1.0
M2755	63 13 57	153 50 6	7.0	1.5	1.5	1.0	1,000	N	N	N	200	1,000	1.0
M2765	63 14 4	153 50 38	7.0	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M2775	63 17 42	153 53 29	7.0	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M2785	63 11 19	154 2 11	7.0	1.5	1.5	1.0	700	N	N	N	150	1,000	1.0
M2795	63 25 31	154 29 15	7.0	1.5	1.5	.7	1,500	N	N	N	150	1,500	1.0
M2805	63 19 11	154 20 30	7.0	1.5	1.0	.7	1,000	N	N	N	150	1,500	1.0
M2815	63 19 38	154 9 55	7.0	1.5	1.0	.7	1,000	N	N	N	200	1,500	1.0
M2825	63 20 15	154 0 55	7.0	1.5	1.0	.7	1,000	N	N	N	150	1,500	1.0
M2835	63 16 37	154 16 41	7.0	1.5	1.0	.7	700	N	N	N	150	1,500	1.0
M2845	63 1 45	153 4 32	7.0	1.5	1.0	.7	700	N	N	N	150	1,500	1.0
M2855	63 2 36	153 7 58	7.0	1.5	1.0	.7	700	N	N	N	200	2,000	1.0
M2865	63 3 50	153 10 57	7.0	1.5	1.0	.7	1,000	N	N	N	150	2,000	1.0
M2875	63 6 55	153 6 27	7.0	1.5	1.0	.7	1,000	N	N	N	150	2,000	1.0
M2885	63 8 43	153 2 14	7.0	1.5	1.0	.7	1,000	N	N	N	150	2,000	1.0
M2895	63 14 4	153 4 41	7.0	1.5	1.0	.7	1,000	N	N	N	150	1,500	1.0
M2905	63 13 25	153 10 1	10.0	1.5	1.0	.7	1,500	N	N	N	150	2,000	1.0
M2915	63 12 10	153 15 36	7.0	1.5	1.0	.5	700	N	N	N	150	2,000	1.0
M2925	63 37 5	155 21 28	7.0	1.0	1.0	1.0	700	N	N	N	150	1,000	1.5
M2935	63 41 22	155 34 38	5.0	1.0	.3	.5	500	N	N	N	150	1,000	1.0
M2945	63 44 53	155 39 58	7.0	1.0	.7	.7	500	N	N	N	150	1,000	1.0
M2955	63 43 57	155 42 9	7.0	1.0	.7	.7	700	N	N	N	200	1,000	1.0
M2965	63 42 56	155 44 20	7.0	1.0	.7	.7	1,000	N	N	N	150	1,500	1.0
M2975	63 45 16	155 48 48	7.0	1.0	1.0	.5	700	N	N	N	150	1,500	1.0
M2985	63 42 10	155 55 48	5.0	1.0	.7	1.0	500	N	N	N	150	1,000	1.0
M2995	63 41 12	155 56 21	5.0	1.0	1.0	1.0	500	N	N	N	150	1,000	1.0
M3005	63 40 7	155 54 36	7.0	1.0	1.0	.7	700	N	N	N	200	1,000	1.5
M3015	63 38 39	155 47 39	7.0	1.0	1.0	1.0	500	N	N	N	200	1,000	2.0
M3025	63 36 36	155 58 0	10.0	1.5	.7	1.0	1,000	N	N	N	200	1,000	2.0
M3035	63 35 28	155 58 28	5.0	1.0	1.0	.7	700	N	N	N	150	1,000	2.0
M3045	63 36 10	155 57 7	10.0	1.5	.7	1.0	1,000	N	N	N	200	1,000	2.0
M3055	63 33 15	155 59 28	10.0	2.0	2.0	1.0	1,000	N	N	N	200	2,000	2.0
M3065	63 32 52	155 51 23	7.0	1.0	1.0	1.0	1,000	N	N	N	200	1,500	1.5
M3075	63 1 31	153 9 4	10.0	2.0	1.0	.5	1,500	N	N	N	200	2,000	2.0
M3085	63 1 29	153 12 23	10.0	2.0	1.5	.5	2,000	N	N	N	200	2,000	2.0
M3095	63 27 46	154 32 36	3.0	1.5	.7	>1.0	700	2.0	N	N	100	700	1.5
M3105	63 27 32	154 39 5	3.0	2.0	.5	1.0	700	N	N	N	100	700	1.0
M3115	63 30 20	154 36 2	5.0	1.5	1.0	1.0	1,000	.7	N	N	700	700	2.0
M3125	63 37 41	154 6 37	10.0	5.0	10.0	>1.0	1,000	N	N	N	150	500	1.0
M3135	63 41 37	154 3 51	2.0	5.0	7.0	.5	300	N	N	N	70	300	1.0
M3145	63 41 52	154 3 18	5.0	3.0	5.0	1.0	700	N	N	N	100	700	1.0
M3155	63 27 35	154 17 35	3.0	>10.0	>20.0	>1.0	1,000	N	N	N	20	300	<1.0
M3165	63 38 17	155 34 25	10.0	2.0	2.0	>1.0	500	N	N	N	100	1,000	1.0
M3175	63 36 28	155 29 18	10.0	2.0	1.5	>1.0	700	N	N	N	100	1,000	1.0
M3185	63 40 7	155 29 1	7.0	2.0	1.5	>1.0	700	N	N	N	100	1,000	1.5

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Sulfur quadrangle, Alaska*

—continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
M2745	N	N	20	500	20	50	N	<20	30	15	N	30	N
M2755	N	N	20	150	20	50	N	<20	50	15	N	20	N
M2765	N	N	20	150	20	50	N	<20	70	20	N	20	N
M2775	N	N	20	150	20	50	N	<20	50	20	N	20	N
M2785	N	N	20	150	20	50	N	<20	50	15	N	20	N
M2795	N	N	20	300	50	50	N	<20	100	20	N	20	N
M2805	N	N	20	150	50	50	N	<20	100	20	N	20	N
M2815	N	N	15	150	20	50	N	<20	70	15	N	20	N
M2825	N	N	20	150	50	50	N	<20	70	20	N	20	N
M2835	N	N	20	150	30	50	N	<20	100	20	N	20	N
M2845	N	N	20	150	100	50	N	<20	100	50	N	20	N
M2855	N	N	20	150	100	50	N	<20	100	30	N	20	N
M2865	N	N	20	150	100	50	N	<20	100	20	N	20	N
M2875	N	N	20	150	70	50	N	<20	100	20	N	20	N
M2885	N	N	20	150	50	50	N	<20	100	30	N	20	N
M2895	N	N	20	150	50	50	N	<20	100	20	N	20	N
M2905	N	N	30	200	100	50	N	<20	100	50	N	20	N
M2915	N	N	20	150	50	50	N	<20	100	20	N	20	N
M2925	N	N	20	150	30	50	N	<20	100	30	N	30	N
M2935	N	N	15	200	30	50	N	<20	100	15	N	20	N
M2945	N	N	20	200	20	50	N	<20	100	20	N	20	N
M2955	N	N	20	150	30	50	N	<20	100	20	N	20	N
M2965	N	N	20	200	30	50	N	<20	100	20	N	15	N
M2975	N	N	20	150	30	50	N	<20	70	20	N	20	N
M2985	N	N	15	100	20	50	N	<20	50	15	N	20	N
M2995	N	N	15	150	20	50	N	<20	50	20	N	20	N
M3005	N	N	20	150	30	50	N	<20	100	20	N	20	N
M3015	N	N	20	150	30	50	N	<20	70	30	N	20	N
M3025	N	N	50	200	30	50	N	<20	100	20	N	30	N
M3035	N	N	20	150	30	50	N	<20	70	20	N	20	N
M3045	N	N	30	200	30	50	N	<20	100	20	N	20	N
M3055	N	N	30	200	100	50	N	<20	100	50	N	30	N
M3065	N	N	20	150	50	50	N	<20	50	20	N	20	N
M3075	N	N	50	150	150	50	N	<20	150	30	N	20	N
M3085	N	N	50	150	150	50	N	<20	150	30	N	20	N
M3095	N	N	10	150	200	30	N	<20	200	100	N	30	N
M3105	N	N	7	200	15	20	N	<20	100	15	N	20	N
M3115	<10	N	15	150	300	50	<5	N	200	20	N	20	N
M3125	N	N	15	500	70	30	N	N	200	50	N	30	N
M3135	N	N	7	100	20	20	N	N	70	30	N	15	N
M3145	N	N	10	150	30	50	N	N	150	20	N	20	N
M3155	N	N	7	100	7	N	N	N	30	10	N	10	N
M3165	N	N	10	200	50	30	N	<20	100	30	N	30	N
M3175	N	N	10	150	50	50	N	<20	150	20	N	20	N
M3185	N	N	10	150	30	30	N	<20	100	20	N	20	N

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfra quadrangle, Alaska*

—continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-YB	AA-AU-P	INST-HG	AA-ZN-P
M2745	300	300	N	50	N	1,000	N	N	.06	35
M2755	300	300	N	50	N	700	N	N	.02	50
M2765	300	300	N	50	N	300	N	N	.06	50
M2775	300	300	N	50	N	500	N	N	.06	45
M2785	300	300	N	50	N	500	N	N	.36	60
M2795	300	500	N	50	N	300	N	N	.14	95
M2805	300	300	N	50	N	300	N	N	.12	75
M2815	300	300	N	50	N	500	N	N	.06	55
M2825	300	300	N	70	N	500	N	N	.06	60
M2835	300	300	N	50	N	500	N	N	.04	65
M2845	300	300	N	50	N	300	N	N	.22	60
M2855	300	500	N	50	N	300	N	N	.10	60
M2865	300	300	N	50	N	200	N	N	.18	85
M2875	300	300	N	50	N	200	N	N	.12	80
M2885	300	300	N	50	N	300	N	N	.12	70
M2895	500	300	N	50	N	300	N	N	.08	80
M2905	300	300	N	50	N	200	N	N	.16	100
M2915	300	300	N	50	N	200	N	N	.04	75
M2925	300	300	N	70	<200	200	N	N	.20	75
M2935	200	300	N	50	<200	200	N	N	.24	80
M2945	200	300	N	50	N	200	N	N	.12	65
M2955	300	300	N	50	<200	200	N	N	.22	80
M2965	200	300	N	20	<200	300	N	N	.16	80
M2975	300	300	N	70	<200	500	N	N	.10	70
M2985	200	300	N	50	<200	150	N	N	.26	75
M2995	300	300	N	50	<200	200	N	N	.22	60
M3005	300	300	N	50	<200	200	N	N	.14	80
M3015	300	300	N	50	N	300	N	N	.26	60
M3025	200	300	N	50	<200	200	N	N	.35	95
M3035	300	300	N	50	<200	200	N	N	.18	55
M3045	200	300	N	50	<200	300	N	.16	.08	80
M3055	1,500	500	N	50	N	700	N	N	.18	40
M3065	300	300	N	50	<200	200	N	N	.32	75
M3075	200	500	N	50	200	200	N	N	.20	120
M3085	200	500	N	50	<200	200	N	N	.20	140
M3095	150	300	N	50	700	200	N	N	.08	550
M3105	100	500	N	20	<200	150	N	N	.06	100
M3115	150	200	N	50	N	150	N	N	.12	95
M3125	150	700	N	30	<200	200	N	N	.06	90
M3135	150	200	N	20	<200	150	N	N	.06	65
M3145	100	300	N	50	<200	300	N	N	.10	75
M3155	200	150	N	15	N	20	N	N	.02	35
M3165	300	500	N	50	<200	200	N	N	.10	70
M3175	200	300	N	50	<200	200	N	N	.20	75
M3185	200	200	N	50	<200	200	N	N	.10	70

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Bedfra quadrangle, Alaska

--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M319S	63 40 23	155 23 48	10.0	2.0	1.5	>1.0	500	N	N	N	70	1,000	1.0
M320S	63 42 28	155 20 37	7.0	1.5	1.0	1.0	500	N	N	N	70	700	1.5
M321S	63 44 20	155 17 49	7.0	3.0	1.5	>1.0	700	N	N	N	70	1,000	1.0
M322S	63 43 41	155 14 57	7.0	2.0	1.0	>1.0	500	N	N	N	70	700	1.0
M323S	63 46 23	155 12 51	5.0	1.5	1.0	1.0	500	N	N	N	70	700	1.0
M324S	63 47 40	155 6 46	5.0	2.0	1.0	1.0	700	N	N	N	70	700	1.0
M325S	63 48 49	155 11 39	10.0	1.5	1.0	>1.0	1,000	N	N	N	50	1,000	1.0
M326S	63 47 0	155 15 52	10.0	2.0	1.5	>1.0	1,500	N	N	N	50	700	1.0
M327S	63 41 12	155 0 41	10.0	1.5	1.0	1.0	700	N	N	N	100	700	1.0
M328S	63 39 21	155 5 44	5.0	1.5	1.0	1.0	1,000	N	N	N	70	700	1.0
M329S	63 42 23	155 5 37	10.0	2.0	1.0	>1.0	700	N	N	N	150	1,000	1.0
M330S	63 43 20	155 7 56	5.0	1.5	1.0	1.0	500	N	N	N	100	700	1.0
M331S	63 42 33	155 9 42	1.0	1.5	1.0	1.0	500	N	N	N	100	700	1.0
M332S	63 41 4	155 13 8	5.0	2.0	1.0	>1.0	500	N	N	N	100	1,000	1.0
M333S	63 39 15	155 16 47	10.0	2.0	1.5	>1.0	700	N	N	N	100	1,000	1.0
M334S	63 38 58	155 12 47	10.0	2.0	1.5	>1.0	700	N	N	N	100	1,000	1.0
M335S	63 36 35	155 17 21	5.0	1.5	1.0	1.0	500	N	N	N	100	1,000	1.0
M336S	63 34 2	155 15 18	5.0	2.0	1.0	1.0	500	N	N	N	100	1,000	1.0
M337S	63 30 56	155 24 11	10.0	1.5	.7	1.0	500	N	N	N	70	1,000	1.0
M338S	63 32 32	153 16 9	7.0	1.5	1.0	.7	1,000	.7	N	N	300	700	5.0
M339S	63 33 29	153 13 53	5.0	1.5	1.5	>1.0	700	N	N	N	150	700	1.5
M340S	61 34 40	153 12 17	5.0	1.0	1.0	>1.0	1,000	<.5	N	N	150	700	1.5
M341S	63 36 17	153 6 59	3.0	1.5	1.5	>1.0	700	N	N	N	70	700	1.0
M342S	63 36 5	153 7 6	5.0	1.5	1.5	1.0	1,000	N	N	N	70	700	1.0
M343S	63 39 13	153 7 22	5.0	1.5	1.0	1.0	700	<.5	N	N	70	700	1.0
M344S	63 42 25	153 6 30	7.0	2.0	1.0	>1.0	700	N	N	N	100	700	<1.0
M345S	63 31 41	153 2 2	5.0	1.5	1.5	1.0	700	N	N	N	50	700	1.0
M346S	63 31 1	153 3 31	5.0	2.0	1.5	>1.0	700	N	N	N	70	700	1.0
M347S	63 30 8	153 6 47	5.0	1.5	1.0	>1.0	1,000	N	N	N	N	700	1.0
M348S	63 28 20	153 8 11	10.0	1.5	1.0	1.0	1,000	N	N	N	N	700	1.0
M349S	63 29 32	153 13 42	5.0	1.0	.7	.7	700	N	N	N	300	700	1.0
M350S	63 21 34	156 47 16	15.0	2.0	.5	>1.0	700	N	N	N	700	1,000	1.0
M351S	63 23 2	156 51 53	10.0	1.5	.5	1.0	3,000	N	N	N	200	1,000	1.0
M352S	63 23 0	156 52 15	10.0	2.0	.7	1.0	>5,000	N	N	N	150	1,000	1.5
M353S	63 26 39	156 57 42	5.0	1.5	.7	>1.0	500	N	N	N	100	700	1.0
M354S	63 25 13	156 57 50	5.0	1.0	.5	1.0	1,500	N	N	N	150	700	1.0
M355S	63 25 55	155 3 26	7.0	1.5	.5	>1.0	2,000	N	N	N	500	1,000	1.5
M356S	63 25 13	155 8 53	5.0	1.0	.7	1.0	500	<.5	N	N	100	700	1.0
M357S	63 30 12	156 48 15	5.0	1.5	.7	>1.0	1,000	N	N	N	100	700	1.0
M358S	63 32 6	156 49 11	10.0	2.0	1.0	>1.0	700	N	N	N	100	700	1.0
M359S	63 34 36	156 49 57	10.0	1.5	1.0	1.0	700	N	N	N	100	700	1.0
M360S	63 32 51	156 58 31	10.0	1.5	1.5	1.0	>5,000	N	N	N	150	1,000	1.5
M361S	63 46 5	153 35 32	7.0	2.0	1.5	>1.0	1,000	N	N	N	70	700	1.0
M362S	63 46 0	153 41 47	5.0	1.5	1.5	>1.0	500	N	N	N	70	700	1.0
M363S	63 48 49	153 39 45	5.0	1.5	1.5	>1.0	500	N	N	N	100	700	1.0

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska*

—continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM
M3195	N	N	10	150	50	50	N	<20	100	10	N	50	N
M3205	N	N	10	100	20	30	N	<20	70	10	N	20	N
M3215	N	N	10	150	20	30	N	N	100	20	N	20	N
M3225	N	N	10	100	30	50	<5	<20	70	20	N	20	N
M3235	N	N	10	100	30	50	N	N	70	10	N	20	N
M3245	N	N	10	150	30	50	N	N	70	15	N	20	N
M3255	N	N	10	70	15	50	<5	<20	50	30	N	20	N
M3265	N	N	10	100	20	50	N	<20	50	20	N	20	N
M3275	N	N	10	150	30	50	N	<20	100	15	N	20	N
M3285	N	N	10	100	30	50	N	<20	70	20	N	20	N
M3295	N	N	10	200	30	50	N	<20	100	20	N	30	N
M3305	N	N	7	100	20	20	N	<20	70	15	N	20	N
M3315	N	N	7	150	20	50	N	N	50	10	N	20	N
M3325	N	N	10	150	50	50	N	<20	100	20	N	20	N
M3335	N	N	10	150	20	30	N	<20	100	15	N	20	N
M3345	N	N	10	200	30	50	N	<20	100	10	N	20	N
M3355	N	N	7	200	20	30	N	<20	70	10	N	15	N
M3365	N	N	15	100	30	50	N	<20	70	20	N	15	N
M3375	N	N	15	150	30	50	N	<20	100	10	N	20	N
M3385	N	N	10	100	20	70	N	<20	50	15	N	15	N
M3395	N	N	7	100	15	20	N	<20	50	10	N	15	N
M3405	N	N	5	70	10	100	N	20	30	10	N	15	10
M3415	N	N	5	100	7	100	N	<20	30	10	N	20	N
M3425	N	N	7	150	10	20	N	<20	50	<10	N	20	N
M3435	N	N	10	150	15	30	N	<20	70	20	N	20	N
M3445	N	N	10	150	20	30	N	N	50	20	N	20	N
M3455	N	N	10	100	15	20	N	N	70	10	N	20	N
M3465	N	N	10	300	15	30	N	<20	70	15	N	20	N
M3475	N	N	10	200	20	50	N	<20	70	20	N	20	<10
M3485	N	N	10	200	15	70	N	<20	70	15	N	20	N
M3495	N	N	7	100	10	50	N	<20	50	20	N	20	N
M3505	N	N	15	300	100	50	N	<20	200	20	N	30	N
M3515	N	N	15	150	30	50	N	<20	150	15	N	30	N
M3525	N	N	15	150	150	70	N	<20	200	20	N	30	N
M3535	N	N	10	150	10	50	N	<20	70	10	N	20	N
M3545	N	N	10	150	15	200	N	N	100	<30	N	20	N
M3555	N	N	10	100	50	30	N	<20	150	10	N	20	N
M3565	N	N	7	70	20	20	N	N	100	20	N	20	N
M3575	N	N	10	150	30	30	N	N	150	20	N	20	N
M3585	N	N	10	200	30	50	N	<20	100	20	N	20	N
M3595	N	N	7	150	20	100	N	N	100	15	N	20	N
M3605	N	N	10	100	100	50	N	N	150	20	N	20	15
M3615	N	N	10	100	30	30	N	N	100	15	N	20	N
M3625	N	N	7	150	20	50	N	N	70	15	N	20	N
M3635	N	N	7	150	20	30	N	<20	70	10	N	20	N

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Medfra quadrangle, Alaska

--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-ZN-P
M3195	300	200	N	50	N	200	N	N	.12	75
M3205	200	200	N	50	N	200	N	N	.04	70
M3215	300	300	N	30	N	300	N	N	.08	70
M3225	200	300	N	50	N	500	N	N	.08	70
M3235	200	200	N	50	<200	200	N	N	.10	75
M3245	200	200	N	50	<200	200	N	N	.08	75
M3255	300	300	N	30	<200	200	N	N	.16	55
M3265	500	300	N	50	<200	200	N	N	.06	60
M3275	150	300	N	50	<200	300	N	N	.06	80
M3285	150	200	N	50	<200	300	N	N	.06	75
M3295	200	500	N	50	<200	500	N	N	.04	70
M3305	200	200	N	30	<200	200	N	N	.04	70
M3315	200	300	N	50	<200	300	N	N	.02	65
M3325	150	300	N	50	<200	300	N	N	.04	70
M3335	200	300	N	50	<200	300	N	N	.04	65
M3345	150	300	N	50	N	300	N	N	.06	70
M3355	100	200	N	50	N	300	N	N	.04	65
M3365	200	300	N	30	<200	200	N	N	.06	75
M3375	150	300	N	50	N	200	N	N	.03	85
M3385	150	150	N	100	<200	200	N	N	.02	65
M3395	150	150	N	70	<200	500	N	N	.12	60
M3405	200	150	N	100	<200	500	N	N	.02	50
M3415	300	150	N	30	N	>1,000	N	N	.02	40
M3425	300	200	N	30	<200	500	N	N	.04	40
M3435	200	200	N	50	N	300	N	N	.04	60
M3445	150	200	N	30	<200	500	N	N	.06	60
M3455	300	200	N	30	<200	300	N	N	.02	55
M3465	300	200	N	50	N	500	N	N	.04	40
M3475	200	150	N	50	N	300	N	N	.10	75
M3485	300	200	N	30	N	1,000	N	N	.02	45
M3495	150	150	N	50	<200	1,000	N	N	.08	40
M3505	100	1,000	N	30	<200	500	N	N	.04	85
M3515	100	300	N	300	200	200	N	N	.02	95
M3525	150	300	N	50	300	150	N	N	.02	140
M3535	100	200	N	30	<200	300	N	N	.08	65
M3545	100	200	N	50	<200	200	N	N	.08	75
M3555	100	300	N	30	<200	150	N	N	.50	90
M3565	100	200	N	30	N	300	N	N	.30	100
M3575	150	300	N	50	<200	300	N	N	.04	110
M3585	150	300	N	30	<200	300	N	N	.04	70
M3595	100	300	N	30	<200	200	N	N	.04	70
M3605	150	300	N	50	<200	200	N	N	.04	110
M3615	200	200	N	50	<200	300	N	N	.02	75
M3625	200	200	N	50	<200	200	N	N	.02	70
M3635	200	200	N	50	<200	300	N	N	.04	70

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfra quadrangle, Alaska

—continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M3645	63 47 49	153 35 42	3.0	5.0	7.0	1.0	700	N	N	N	70	500	<1.0
M3655	63 47 26	153 33 33	5.0	2.0	2.0	>1.0	1,000	N	N	N	100	700	1.0
M3665	63 47 11	153 31 23	10.0	5.0	7.0	1.0	1,000	N	N	N	70	700	<1.0
M3675	63 50 29	153 34 31	5.0	3.0	5.0	>1.0	700	N	N	N	100	500	1.0
M3685	63 50 26	153 33 59	3.0	5.0	10.0	1.0	700	N	N	N	70	500	1.0
M3695	63 52 27	153 38 0	5.0	5.0	7.0	>1.0	1,500	N	N	N	100	700	<1.0
M3705	63 56 36	153 40 1	3.0	5.0	7.0	1.0	1,000	N	N	N	100	500	1.0
M3715	63 56 52	153 39 42	1.0	>10.0	20.0	.3	200	N	N	N	N	100	N
M3725	63 58 20	153 31 25	10.0	3.0	2.0	1.0	1,000	N	N	N	150	500	1.0
M3735	63 59 18	153 36 7	5.0	2.0	3.0	>1.0	700	N	N	N	100	700	1.0
M3745	63 59 46	153 40 6	5.0	1.5	1.0	.7	1,000	N	N	N	150	500	1.5
M3755	63 55 57	153 55 12	2.0	>10.0	20.0	.2	2,000	N	N	N	N	150	<1.0
M3765	63 51 34	153 48 5	5.0	1.5	5.0	>1.0	1,000	N	N	N	100	700	1.0
M3775	63 51 40	153 47 23	3.0	1.0	1.5	1.0	500	N	N	N	100	700	1.0
M3785	63 52 43	153 45 44	.7	>10.0	20.0	.1	200	N	N	N	N	50	<1.0
M3795	63 54 42	153 47 50	5.0	1.5	1.0	1.0	1,000	N	N	N	100	700	1.0
M3805	63 55 19	153 47 16	5.0	1.5	.5	1.0	700	N	N	N	100	500	1.5
M3815	63 56 24	153 50 53	5.0	2.0	2.0	>1.0	500	N	N	N	100	500	1.5
M3825	63 59 26	153 50 1	7.0	1.5	1.5	>1.0	1,000	N	N	N	100	1,000	1.0
M3835	63 51 52	153 52 15	3.0	5.0	10.0	>1.0	700	N	N	N	70	700	1.0
M3845	63 50 59	153 53 12	5.0	5.0	7.0	1.0	1,000	N	N	N	50	500	1.0
M3855	63 47 52	153 58 9	5.0	3.0	5.0	>1.0	1,000	N	N	N	70	700	1.0
M3865	63 45 50	154 30 17	15.0	2.0	2.0	>1.0	700	N	N	N	200	500	1.0
M3875	63 47 12	154 36 22	10.0	2.0	2.0	>1.0	1,000	N	N	N	100	500	1.0
M3885	63 47 37	154 35 40	10.0	2.0	1.5	>1.0	1,500	N	N	N	150	500	1.0
M3895	63 48 44	154 31 7	10.0	3.0	2.0	>1.0	700	<.5	N	N	150	500	1.0
M3905	63 50 23	154 33 35	3.0	1.5	1.5	>1.0	500	N	N	N	100	500	1.0
M3915	63 49 26	154 38 8	15.0	3.0	1.5	>1.0	1,500	N	N	N	50	1,000	1.0
M3925	63 49 20	154 42 56	15.0	3.0	3.0	>1.0	2,000	N	N	N	50	700	1.0
M3935	63 51 21	154 45 24	10.0	2.0	1.5	>1.0	1,500	N	N	N	70	700	<1.0
M3945	63 54 8	154 42 42	7.0	1.5	1.0	.7	700	N	N	N	70	700	1.0
M3955	63 54 49	154 35 20	10.0	3.0	5.0	>1.0	5,000	N	N	N	150	500	1.0
M3965	63 55 53	154 36 2	10.0	2.0	2.0	>1.0	1,000	N	N	N	100	500	1.0
M3975	63 56 23	154 28 31	10.0	2.0	1.5	>1.0	700	<.5	N	N	100	700	1.0
M3985	63 58 44	154 32 41	5.0	1.5	1.0	1.0	700	N	N	N	70	1,000	1.0
M3995	63 48 47	154 51 2	7.0	2.0	1.0	1.0	700	N	N	N	70	700	1.0
M4005	63 45 18	155 49 44	5.0	2.0	1.0	1.0	700	N	N	N	100	1,500	1.5
M4015	63 47 7	155 53 36	10.0	2.0	1.0	1.0	700	N	N	N	100	1,000	1.0
M4025	63 48 26	155 56 12	5.0	1.5	1.0	1.0	500	N	N	N	70	700	1.0
M4035	63 50 21	155 55 30	10.0	2.0	1.0	1.0	300	N	N	N	100	1,000	1.0
M4045	63 49 41	155 48 45	5.0	2.0	1.0	>1.0	300	N	N	N	100	700	1.0
M4055	63 51 35	155 48 31	15.0	2.0	.7	.7	5,000	N	N	N	70	1,500	1.5
M4065	63 54 53	155 58 30	5.0	1.5	1.0	1.0	500	N	N	N	100	1,000	1.0
M4075	63 56 8	155 48 19	3.0	1.5	.7	.7	300	N	N	N	70	700	1.0
M4085	63 56 33	155 42 17	10.0	2.0	1.0	>1.0	500	N	N	N	70	1,000	1.0

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Nabesna quadrangle, Alaska

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Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
M3645	N	N	7	100	15	<20	N	N	70	70	N	15	N
M3655	N	N	7	100	15	50	N	<20	70	10	N	20	N
M3665	N	N	10	150	30	30	N	N	70	20	N	20	N
M3675	N	N	7	150	15	30	N	<20	70	15	N	20	N
M3685	N	N	7	100	10	20	N	N	50	10	N	20	N
M3695	N	N	7	100	20	50	N	N	100	15	N	20	N
M3705	N	N	7	100	15	30	N	N	70	15	N	15	N
M3715	N	N	<5	50	5	N	N	N	20	10	N	5	N
M3725	N	N	10	150	15	30	N	<20	100	15	N	20	N
M3735	N	N	10	150	15	<20	N	<20	100	<10	N	20	N
M3745	N	N	10	150	15	20	N	<20	70	15	N	20	N
M3755	N	N	<5	10	5	N	N	N	20	<10	N	5	N
M3765	N	N	7	150	15	30	N	N	70	10	N	20	N
M3775	N	N	7	150	20	20	N	N	70	<10	N	20	N
M3785	N	N	N	<10	<5	N	N	N	5	10	N	<5	N
M3795	N	N	10	150	10	50	N	<20	100	<10	N	20	N
M3805	N	N	10	100	7	50	N	<20	70	10	N	20	N
M3815	N	N	7	150	10	50	N	<20	70	15	N	20	N
M3825	N	N	7	150	20	50	N	<20	100	15	N	30	N
M3835	N	N	5	150	7	30	N	N	100	10	N	20	N
M3845	N	N	7	150	10	<20	N	N	70	10	N	20	N
M3855	N	N	7	150	10	50	N	<20	70	10	N	30	N
M3865	N	N	15	150	20	20	N	<20	100	15	N	30	N
M3875	N	N	15	150	20	30	N	<20	70	15	N	30	N
M3885	N	N	15	150	15	N	N	<20	70	15	N	50	N
M3895	N	N	10	150	20	20	N	<20	70	15	N	20	N
M3905	N	N	7	100	15	<20	N	N	30	10	N	20	N
M3915	N	N	20	150	15	20	N	<20	100	20	N	50	N
M3925	N	N	10	100	15	20	N	<20	100	10	N	50	N
M3935	N	N	10	100	20	20	N	<20	70	15	N	30	N
M3945	N	N	15	100	30	50	N	N	100	15	N	30	N
M3955	N	N	15	100	20	20	N	<20	100	15	N	30	N
M3965	N	N	7	150	15	50	N	<20	70	10	N	20	N
M3975	N	N	10	150	30	50	N	<20	100	10	N	30	N
M3985	N	N	10	100	50	50	N	<20	70	15	N	50	N
M3995	N	N	10	200	30	20	N	N	100	10	N	20	N
M4005	N	N	7	100	70	30	N	<20	100	10	N	20	N
M4015	N	N	10	150	50	30	N	<20	100	15	N	30	N
M4025	N	N	5	150	15	50	N	N	50	10	N	20	N
M4035	N	N	10	150	20	50	N	<20	100	10	N	30	N
M4045	N	N	7	100	30	30	N	<20	70	20	N	20	N
M4055	N	N	30	70	50	50	N	N	100	20	N	20	N
M4065	N	N	7	150	30	50	N	N	70	10	N	30	N
M4075	N	N	7	100	10	<20	N	N	50	10	N	20	N
M4085	N	N	7	200	30	50	N	<20	100	20	N	30	N

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hulfin quadrangle, Alaska

—continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	THSI-HG	AA-ZN-P
M364S	150	300	N	30	<200	200	N	N	.02	60
M365S	300	200	N	30	<200	300	N	N	.02	65
M366S	200	200	N	30	<200	150	N	N	.02	160
M367S	200	200	N	30	<200	300	N	N	.04	55
M368S	150	150	N	30	<200	150	N	N	.04	65
M369S	200	300	N	30	<200	300	N	N	<.02	70
M370S	150	200	N	30	<200	100	N	N	.04	70
M371S	150	70	N	10	N	30	N	N	.02	30
M372S	200	300	N	50	<200	200	N	N	.02	70
M373S	150	300	N	30	<200	300	N	N	.04	60
M374S	100	200	N	50	<200	200	N	N	.02	60
M375S	150	100	N	N	N	50	N	N	.04	25
M376S	300	200	N	30	<200	300	N	N	.06	60
M377S	200	150	N	30	<200	300	N	N	.04	70
M378S	150	50	N	<10	N	30	N	N	.02	20
M379S	100	200	N	50	<200	150	N	N	.04	80
M380S	N	200	N	50	<200	150	N	N	.02	55
M381S	150	200	N	50	N	300	N	N	.04	50
M382S	100	200	N	30	<200	100	N	N	.02	60
M383S	200	300	N	30	N	300	N	N	.04	40
M384S	150	300	N	20	N	200	N	N	.04	40
M385S	200	200	N	50	N	300	N	N	<.02	50
M386S	150	500	N	30	<200	200	N	N	.26	50
M387S	150	200	N	30	<200	150	N	N	.06	65
M388S	150	300	N	30	<200	150	N	N	.06	50
M389S	150	200	N	30	<200	200	N	N	.06	65
M390S	100	150	N	20	<200	100	N	N	.06	60
M391S	200	500	N	50	<200	200	N	N	.04	55
M392S	200	500	N	30	<200	150	N	N	.02	50
M393S	150	300	N	50	<200	300	N	N	.02	60
M394S	200	200	N	50	N	200	N	N	.04	75
M395S	100	200	N	50	N	200	N	N	.02	50
M396S	100	200	N	20	N	150	N	N	.02	40
M397S	200	300	N	50	N	500	N	N	.04	60
M398S	200	200	N	50	N	200	N	N	.06	65
M399S	150	200	N	30	N	300	N	N	.04	60
M400S	150	200	N	30	N	200	N	N	.10	75
M401S	150	300	N	50	N	500	N	N	.08	70
M402S	100	150	N	50	N	500	N	<.05	.08	60
M403S	150	500	N	50	<200	200	N	N	.20	80
M404S	150	200	N	30	<200	300	N	N	.20	65
M405S	100	200	N	50	<200	200	N	N	.12	95
M406S	200	300	N	50	<200	150	N	N	.10	75
M407S	100	200	N	30	N	200	N	N	.18	75
M408S	150	300	N	30	N	200	N	N	.10	70

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfra quadrangle, Alaska

—continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MC09S	63 54 1	155 43 7	7.0	1.5	1.0	1.0	500	N	N	N	100	1,000	1.5
MC10S	63 54 22	155 42 40	5.0	1.5	1.0	1.0	700	N	N	N	70	1,000	1.0
MC11S	63 56 32	155 39 1	10.0	2.0	1.0	>1.0	500	N	N	N	100	1,000	1.0
MC12S	63 58 57	155 39 34	5.0	1.5	1.0	1.0	300	N	N	N	70	1,000	1.0
MC13S	63 58 5	155 34 58	20.0	1.5	.7	.7	200	N	N	N	30	2,000	1.0
MC14S	63 59 41	155 32 3	7.0	2.0	1.0	1.0	500	N	N	N	100	1,500	1.0
MC15S	63 59 42	155 32 31	7.0	1.5	1.0	1.0	1,000	N	N	N	100	1,000	1.0
MC16S	63 49 49	155 18 38	15.0	3.0	1.5	>1.0	1,500	N	N	N	30	1,000	1.0
MC17S	63 50 5	155 18 15	10.0	2.0	1.5	>1.0	700	N	N	N	50	700	1.0
MC18S	63 49 56	155 15 14	7.0	3.0	2.0	>1.0	1,000	N	N	N	30	1,000	1.0
MC19S	63 52 29	155 25 6	5.0	.7	.7	.7	500	N	N	N	70	1,000	1.0
MC20S	63 52 29	155 24 34	5.0	1.0	.7	.7	1,000	N	N	N	50	700	1.0
MC21S	63 56 34	155 22 18	5.0	1.5	1.0	1.0	500	N	N	N	70	700	1.0
MC22S	63 56 10	155 24 58	15.0	2.0	.7	.7	2,000	N	N	N	70	1,500	1.0
MC23S	63 46 5	155 21 47	15.0	2.0	2.0	>1.0	1,000	N	N	N	50	1,000	1.0
MC24S	63 57 43	155 10 11	10.0	2.0	1.5	>1.0	5,000	N	N	N	50	1,000	1.0
MC25S	63 58 48	155 22 19	5.0	1.5	1.0	1.0	500	N	N	N	70	1,000	1.0
MC26S	63 58 44	155 21 56	10.0	2.0	.5	1.0	1,000	N	N	N	100	1,500	1.0
MC27S	63 56 52	155 33 17	7.0	1.0	.5	.7	1,000	N	N	N	100	2,000	1.0
MC28S	63 56 43	155 31 39	10.0	2.0	1.0	1.0	700	N	N	N	100	1,500	1.0
MC29S	63 54 12	155 36 37	7.0	1.5	.7	1.0	700	N	N	N	100	1,000	1.0
MC30S	63 54 0	155 35 46	5.0	2.0	1.0	1.0	700	N	N	N	100	2,000	1.0
MC31S	63 52 33	155 31 41	3.0	1.5	1.0	1.0	700	N	N	N	70	1,000	1.0
MC32S	63 51 46	155 31 12	10.0	2.0	1.0	>1.0	1,000	N	N	N	100	1,000	1.0
MC33S	63 51 5	155 30 38	5.0	1.5	1.0	1.0	1,000	N	N	N	100	700	1.0
MC34S	63 50 24	155 33 10	10.0	2.0	1.0	1.0	700	N	N	N	100	1,000	1.0
MC35S	63 45 23	155 47 58	15.0	2.0	.7	>1.0	1,500	N	N	N	100	1,500	1.0
MC36S	63 48 31	155 45 19	5.0	1.5	1.0	1.0	500	N	N	N	100	1,000	1.0
MC37S	63 48 25	155 37 45	5.0	2.0	1.0	1.0	700	N	N	N	100	1,500	1.0
MC38S	63 49 28	155 28 30	10.0	2.0	.2	.7	500	N	N	N	100	1,000	1.0
MC39S	63 12 18	155 45 17	10.0	1.5	.7	1.0	1,500	N	N	N	150	1,500	1.0
MC40S	63 13 52	155 50 47	7.0	2.0	.5	1.0	500	N	N	N	150	1,000	1.0
MC41S	63 15 42	155 51 1	7.0	1.5	.2	1.0	300	N	N	N	150	700	1.0
MC42S	63 14 47	155 55 22	5.0	2.0	.5	1.0	500	N	N	N	150	1,000	1.0
MC43S	63 16 59	155 52 51	5.0	1.5	.3	.7	1,000	N	N	N	100	1,000	1.0
MC44S	63 10 21	155 51 33	5.0	2.0	.7	1.0	300	N	N	N	100	700	1.0
MC45S	63 46 24	155 24 54	7.0	2.0	1.0	>1.0	1,000	N	N	N	70	700	1.0
MC46S	63 45 17	155 27 5	10.0	1.5	1.0	1.0	500	<.5	N	N	70	1,000	1.5
MC47S	63 48 15	155 31 20	5.0	1.5	.3	.7	700	N	N	N	100	1,000	1.0
MC48S	63 49 36	155 35 23	3.0	1.0	.7	1.0	500	N	N	N	70	700	1.0
MC49S	63 49 11	155 40 56	5.0	1.5	1.0	1.0	500	N	N	N	100	700	1.0
MC50S	63 46 49	155 38 32	10.0	2.0	1.5	>1.0	2,000	N	N	N	70	1,000	1.0
MC51S	63 46 13	155 35 21	10.0	2.0	.5	1.0	700	<.5	N	N	150	2,000	1.0
MC52S	63 44 56	155 28 51	5.0	1.0	.5	1.0	500	N	N	N	70	1,000	1.0
MC53S	63 43 27	155 31 44	3.0	1.0	.3	1.0	300	N	N	N	100	1,000	1.0

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfra quadrangle, Alaska

—continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
MC09S	N	N	7	100	30	50	N	<20	150	15	N	30	N
MC10S	N	N	10	150	50	50	N	<20	70	20	N	20	N
MC11S	N	N	10	200	30	70	N	<20	100	20	N	30	N
MC12S	N	N	7	150	30	50	N	<20	70	15	N	20	N
MC13S	N	N	20	100	100	30	<5	N	300	20	N	20	N
MC14S	N	N	15	150	30	50	N	<20	100	20	N	30	N
MC15S	N	N	15	150	20	50	<5	<20	70	15	N	20	N
MC16S	N	N	20	200	30	20	N	<20	150	30	N	30	N
MC17S	N	N	15	200	15	30	N	<20	150	20	N	30	N
MC18S	N	N	15	200	10	20	N	<20	100	20	N	30	N
MC19S	N	N	10	100	15	20	N	<20	30	15	N	20	N
MC20S	N	N	10	100	15	50	N	N	50	15	N	20	N
MC21S	N	N	10	150	15	50	N	<20	50	20	N	20	N
MC22S	N	N	15	100	100	30	N	N	50	15	N	30	N
MC23S	N	N	15	150	30	50	N	<20	100	15	N	50	N
MC24S	N	N	30	150	50	30	N	<20	100	15	N	30	N
MC25S	N	N	10	100	30	50	N	<20	70	15	N	30	N
MC26S	N	N	15	100	30	<20	N	N	70	15	N	30	N
MC27S	N	N	15	70	50	N	N	<20	100	10	N	20	N
MC28S	N	N	15	150	50	50	N	<20	100	20	N	30	N
MC29S	N	N	10	100	30	30	N	N	70	15	N	30	N
MC30S	N	N	10	100	20	30	N	N	70	15	N	20	N
MC31S	N	N	10	100	20	30	N	N	50	10	N	20	N
MC32S	N	N	15	150	20	30	N	<20	70	15	N	30	N
MC33S	N	N	10	100	20	20	N	N	50	10	N	20	N
MC34S	N	N	10	100	30	50	N	<20	100	20	N	20	N
MC35S	N	N	15	100	30	50	N	20	100	20	N	30	N
MC36S	N	N	10	100	30	30	N	<20	70	15	N	20	N
MC37S	N	N	10	100	30	30	N	N	70	10	N	30	N
MC38S	N	N	15	500	20	N	<5	<20	150	10	N	20	N
MC39S	N	N	10	100	20	30	N	<20	100	15	N	20	N
MC40S	N	N	10	200	20	30	N	<20	100	20	N	20	N
MC41S	N	N	10	200	15	50	N	<20	100	10	N	20	N
MC42S	N	N	10	200	20	<20	N	N	150	15	N	20	N
MC43S	N	N	10	100	15	20	N	<20	100	10	N	20	N
MC44S	N	N	7	700	15	70	N	<20	70	20	N	30	N
MC45S	N	N	15	100	20	50	N	N	70	10	N	30	N
MC46S	N	N	15	100	20	50	N	N	100	10	N	30	N
MC47S	N	N	10	200	30	<20	N	N	100	15	N	20	N
MC48S	N	N	7	150	15	50	N	N	70	10	N	30	N
MC49S	N	N	7	100	20	20	N	N	70	10	N	30	N
MC50S	N	N	20	100	50	30	N	N	100	15	N	30	N
MC51S	N	N	15	150	70	20	N	<20	150	20	N	30	N
MC52S	N	N	10	100	20	20	N	<20	100	20	N	20	<10
MC53S	N	N	10	200	15	70	N	N	150	10	N	20	N

Table 6.—*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Selfin quadrangle, Alaska*

—continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MC545	63 41 26	155 30 8	10.0	2.0	1.0	>1.0	1,000	N	N	N	100	1,000	1.0
MC555	63 40 42	155 35 34	5.0	2.0	.5	>1.0	500	<.5	N	N	100	700	1.0
MC565	63 40 30	155 46 5	7.0	2.0	1.0	>1.0	700	N	N	N	100	1,000	1.0
MC575	63 40 15	155 47 0	10.0	2.0	.7	1.0	2,000	N	N	N	100	1,000	1.0
MC585	63 44 10	155 52 5	5.0	1.5	1.0	1.0	700	N	N	N	70	700	1.0
MC595	63 42 18	155 51 33	5.0	2.0	1.0	1.0	700	N	N	N	100	1,000	1.0
MC605	63 40 38	155 50 1	10.0	2.0	1.0	1.0	1,000	N	N	N	100	1,000	1.0
MC615	63 35 36	155 56 34	15.0	2.0	.5	>1.0	1,000	N	N	N	200	700	1.0
MC625	63 36 36	155 52 0	5.0	1.5	1.0	1.0	700	N	N	N	100	1,000	1.0
MC635	63 35 40	155 47 30	3.0	1.5	1.0	1.0	200	N	N	N	100	700	1.5
MC645	63 33 18	155 46 3	7.0	1.5	.7	.7	1,000	N	N	N	100	700	1.5
MC655	63 33 30	155 46 31	15.0	2.0	.7	>1.0	1,500	N	N	N	150	1,000	1.0
MC665	63 31 19	155 45 17	15.0	2.0	.3	>1.0	1,500	<.5	N	N	500	1,000	1.0
MC675	63 31 50	155 39 36	10.0	2.0	.5	1.0	700	.5	N	N	200	700	1.0
MC685	63 55 38	154 39 50	3.0	1.5	1.0	1.0	500	N	N	N	100	700	1.5
MC695	63 57 58	154 41 28	10.0	2.0	1.0	>1.0	700	N	N	N	100	700	1.0
MC705	63 57 58	154 48 46	10.0	1.5	1.5	>1.0	700	N	N	N	20	700	1.0
MC715	63 57 16	154 53 39	7.0	1.5	2.0	1.0	500	N	N	N	30	700	1.0
MC725	63 57 35	154 53 20	10.0	2.0	1.5	>1.0	1,000	N	N	N	20	700	1.0
MC735	63 56 36	154 52 1	5.0	1.5	1.0	1.0	500	N	N	N	70	700	1.0
MC745	63 53 33	154 56 29	15.0	2.0	2.0	>1.0	1,500	<.5	N	N	50	700	1.0
MC755	63 41 0	154 18 26	10.0	2.0	.7	.7	1,500	<.5	N	N	150	1,000	1.0
MC765	63 40 56	154 18 1	10.0	2.0	.7	1.0	700	N	N	N	100	1,000	1.0
MC775	63 44 33	154 16 44	10.0	1.5	1.0	1.0	700	N	N	N	100	700	1.0
MC785	63 47 11	154 19 24	10.0	2.0	1.0	>1.0	700	<.5	N	N	100	700	1.0
MC795	63 46 54	154 17 28	3.0	1.0	1.5	>1.0	500	N	N	N	100	700	1.0
MC805	63 40 20	153 52 35	5.0	5.0	10.0	1.0	1,000	N	N	N	70	700	<1.0
MC815	63 40 34	153 50 44	15.0	3.0	3.0	>1.0	1,000	N	N	N	100	700	1.0
MC825	63 35 1	153 53 48	7.0	2.0	1.5	>1.0	700	N	N	N	100	700	1.0
MC835	63 33 40	153 45 20	5.0	1.5	1.0	1.0	500	N	N	N	70	700	1.0
MC845	63 7 41	154 53 40	5.0	2.0	1.0	1.0	500	N	N	N	100	700	1.0
MC855	63 22 23	155 10 3	5.0	1.5	.7	1.0	500	N	N	N	100	700	1.0
MC865	63 20 45	155 11 42	5.0	1.5	.5	1.0	500	N	N	N	100	700	1.0
MC875	63 24 13	155 16 51	3.0	1.0	1.0	.7	1,000	N	N	N	150	700	1.5
MC885	63 25 32	155 32 3	10.0	2.0	1.0	>1.0	1,000	N	N	N	150	1,000	1.0
MC895	63 31 51	155 30 47	15.0	2.0	.5	1.0	700	N	N	N	150	700	1.0
MC905	63 31 40	155 27 15	10.0	1.5	.5	1.0	1,000	N	N	N	150	700	1.0
MC915	63 34 38	155 28 6	5.0	1.5	1.5	>1.0	500	N	N	N	70	700	1.0
MC925	63 36 21	155 2 32	10.0	2.0	.7	1.0	2,000	N	N	N	100	700	1.0
MC935	63 34 53	154 51 28	3.0	1.5	1.0	>1.0	300	N	N	N	70	700	1.0
MC945	63 32 36	154 53 37	10.0	1.5	1.0	>1.0	700	N	N	N	30	1,000	1.0
MC955	63 31 45	154 55 51	10.0	1.5	1.0	1.0	1,500	N	N	N	50	700	1.0
MC965	63 48 12	154 57 12	5.0	1.5	1.0	1.0	300	N	N	N	70	700	1.0
MC975	63 46 38	154 58 12	10.0	2.0	1.0	>1.0	700	<.5	N	N	100	700	1.0
MC985	63 47 19	154 52 6	5.0	2.0	1.0	>1.0	500	N	N	N	100	700	1.0

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Rodfia quadrangle, Alaska*

--continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
MC56S	N	N	10	150	30	50	N	N	100	15	N	50	N
MC55S	N	N	10	200	30	20	N	<20	150	10	N	30	N
MC56S	N	N	10	150	30	50	N	<20	100	20	N	30	N
MC57S	N	N	20	200	50	20	N	<20	150	20	N	30	N
MC58S	N	N	7	100	15	<20	N	N	50	10	N	20	N
MC59S	N	N	15	100	20	<20	N	<20	100	15	N	30	N
MC60S	N	N	15	150	50	20	N	N	100	20	N	30	N
MC61S	N	N	15	200	100	50	N	<20	200	20	N	30	N
MC62S	N	N	10	150	20	20	N	<20	70	20	N	20	N
MC63S	N	N	7	100	20	50	N	N	70	15	N	20	N
MC64S	N	N	10	100	20	30	N	N	100	10	N	20	N
MC65S	N	N	15	150	20	20	N	<20	150	15	N	30	N
MC66S	N	N	30	300	100	50	N	<20	200	20	N	50	>1,000
MC67S	N	N	15	150	150	30	N	N	150	20	N	30	10
MC68S	N	N	7	100	20	50	N	<20	70	10	N	20	N
MC69S	N	N	10	150	20	30	N	<20	70	15	N	20	N
MC70S	N	N	15	150	15	20	N	<20	150	10	N	20	N
MC71S	N	N	10	150	7	50	N	N	70	10	N	15	N
MC72S	N	N	15	150	10	20	N	N	150	15	N	20	N
MC73S	N	N	7	100	15	50	N	N	50	<10	N	20	N
MC74S	N	N	15	150	20	50	N	<20	100	15	N	20	N
MC75S	N	N	15	150	30	50	N	<20	150	15	N	20	N
MC76S	N	N	15	150	30	50	N	N	100	20	N	20	N
MC77S	N	N	10	100	20	50	N	<20	70	15	N	20	N
MC78S	N	N	15	150	50	50	N	<20	100	15	N	20	N
MC79S	N	N	10	70	15	50	N	<20	70	10	N	20	N
MC80S	N	N	7	100	15	N	N	N	70	10	N	15	N
MC81S	N	N	20	200	15	<20	<5	<20	150	20	N	20	N
MC82S	N	N	10	150	10	50	N	<20	100	15	N	20	N
MC83S	N	N	7	100	20	30	N	N	70	10	N	15	N
MC84S	N	N	10	100	20	50	N	N	70	15	N	20	N
MC85S	N	N	7	100	20	50	N	N	70	10	N	20	N
MC86S	N	N	10	100	20	70	N	N	100	10	N	20	N
MC87S	N	N	5	50	10	<20	N	N	50	10	N	10	N
MC88S	N	N	10	100	15	20	N	<20	100	10	N	20	N
MC89S	N	N	20	200	30	50	N	<20	150	15	N	20	N
MC90S	N	N	20	200	20	50	N	<20	100	15	N	20	N
MC91S	N	N	10	150	15	50	N	N	70	10	N	20	N
MC92S	N	N	15	150	20	30	N	<20	100	15	N	20	N
MC93S	N	N	7	100	10	30	N	N	50	10	N	15	N
MC94S	N	N	10	100	15	20	N	<20	50	10	N	15	N
MC95S	N	N	15	100	15	30	N	N	50	10	N	15	N
MC96S	N	N	7	100	10	20	N	N	50	10	N	15	N
MC97S	N	N	10	150	20	50	N	<20	70	20	N	20	N
MC98S	N	N	7	150	15	50	N	<20	50	10	N	15	N

Table 6.--*Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Valdez quadrangle, Alaska*

--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-YB	AA-AU-P	INST-HG	AA-ZN-P
MC54S	200	300	N	50	<200	200	N	N	.14	90
MC55S	150	300	N	30	<200	500	N	N	.14	80
MC56S	200	300	N	50	<200	300	N	N	.16	80
MC57S	200	300	N	50	<200	300	N	N	.10	110
MC58S	200	150	N	30	N	300	N	N	.12	70
MC59S	300	200	N	20	N	200	N	N	.10	90
MC60S	300	500	N	30	200	200	N	N	.18	100
MC61S	150	700	N	50	200	200	N	N	.12	110
MC62S	300	200	N	50	<200	300	N	N	.16	85
MC63S	300	150	N	50	N	200	N	N	.18	90
MC64S	200	200	N	30	<200	150	N	N	.12	100
MC65S	200	500	N	50	<200	500	N	N	.12	110
MC66S	100	700	N	50	<200	200	N	N	.12	140
MC67S	100	300	N	30	300	150	N	N	.10	200
MC68S	150	200	N	50	N	200	N	N	.06	75
MC69S	200	300	N	50	N	200	N	N	.08	75
MC70S	500	300	N	50	<200	200	N	N	.06	65
MC71S	300	200	N	50	N	150	N	N	.04	65
MC72S	300	200	N	30	<200	150	N	N	.04	85
MC73S	200	200	N	30	<200	200	N	N	.06	75
MC74S	500	300	N	50	<200	300	N	N	.08	65
MC75S	300	500	N	30	<200	300	N	N	.10	100
MC76S	200	200	N	30	<200	200	N	N	.06	95
MC77S	300	200	N	50	<200	150	N	N	.08	80
MC78S	200	300	N	50	<200	150	N	N	.08	85
MC79S	200	150	N	30	<200	300	N	N	.10	65
MC80S	150	300	N	20	N	70	N	N	.08	50
MC81S	200	500	N	20	<200	200	N	N	.06	60
MC82S	200	200	N	50	N	300	N	N	.02	55
MC83S	200	150	N	30	<200	150	N	N	.04	65
MC84S	200	200	N	30	N	200	N	N	.04	60
MC85S	100	150	N	30	N	300	N	N	.04	65
MC86S	100	300	N	50	<200	300	N	N	.10	70
MC87S	100	150	N	30	N	500	N	N	.06	55
MC88S	100	300	N	20	<200	300	N	N	.18	75
MC89S	<100	500	N	50	<200	200	N	N	.02	100
MC90S	100	300	N	50	<200	300	N	N	.04	100
MC91S	200	200	N	30	N	200	N	N	.10	75
MC92S	150	300	N	30	<200	150	N	N	.06	100
MC93S	150	150	N	30	<200	200	N	N	.10	65
MC94S	300	300	N	50	<200	300	N	N	N	65
MC95S	200	200	N	30	N	200	N	N	.04	70
MC96S	200	200	N	30	<200	150	N	N	.10	60
MC97S	150	300	N	30	<200	300	N	N	.10	70
MC98S	200	300	N	30	<200	300	N	N	.10	70

Table 6.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfirst quadrangle, Alaska

--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MS99S	63 44 31	154 56 24	5.0	2.0	1.5	>1.0	500	N	N	N	100	700	1.0
MS00S	63 43 7	154 57 33	7.0	1.5	.7	1.0	700	N	N	N	150	700	1.0
MS01S	63 41 54	154 59 37	7.0	1.5	1.5	>1.0	300	N	N	N	70	700	1.0
MS02S	63 42 45	154 46 6	2.0	1.0	1.0	.7	200	N	N	N	70	700	1.0
MS03S	63 34 58	154 43 36	3.0	1.5	.7	1.0	500	N	N	N	150	700	1.0
MS04S	63 37 52	154 35 56	3.0	1.0	1.0	1.0	300	N	N	N	100	700	1.0
MS05S	63 40 3	154 35 39	5.0	2.0	1.0	1.0	500	N	N	N	150	300	1.0
MS06S	63 39 55	154 46 41	3.0	.7	1.0	.7	300	N	N	N	70	500	1.5
MS07S	63 43 12	153 29 43	5.0	1.5	1.5	1.0	500	N	N	N	70	700	1.0
MS08S	63 44 0	153 27 59	5.0	2.0	2.0	>1.0	700	N	N	N	70	700	1.0
MS09S	63 41 3	153 33 57	5.0	1.5	1.5	1.0	500	N	N	N	70	700	1.0
MS10S	63 41 25	153 37 38	5.0	1.0	1.0	.7	700	N	N	N	70	700	1.0
MS11S	63 41 26	153 39 10	7.0	1.5	1.0	1.0	700	N	N	N	70	700	1.0
MS12S	63 31 28	153 59 6	5.0	3.0	5.0	>1.0	500	N	N	N	100	700	<1.0
MS13S	63 30 38	153 56 40	3.0	1.0	1.0	1.0	300	N	N	N	100	1,500	1.0
MS14S	63 27 15	153 51 2	3.0	2.0	3.0	1.0	1,000	50.0	N	N	50	500	1.0
MS15S	63 28 56	153 58 26	3.0	7.0	15.0	.7	300	N	N	N	70	700	<1.0
MS16S	63 26 10	153 59 46	5.0	1.5	1.0	1.0	500	<.5	N	N	100	500	1.0

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Hadfru quadrangle, Alaska

—continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
MS49S	N	N	7	100	15	50	N	N	50	15	N	15	N
MS00S	N	N	10	150	15	50	N	<20	70	15	N	20	N
MS01S	N	N	7	100	15	50	N	N	50	10	N	20	N
MS02S	N	N	5	50	10	<20	N	N	30	10	N	20	N
MS03S	N	N	7	150	20	50	N	<20	70	10	N	20	N
MS04S	N	N	7	100	15	50	N	N	70	10	N	20	N
MS05S	N	N	10	100	15	<20	N	<20	100	10	N	15	N
MS06S	N	N	7	100	20	30	N	N	50	<10	N	15	N
MS07S	N	N	10	150	10	50	N	<20	70	<10	N	20	N
MS08S	N	N	10	100	20	70	N	<20	70	15	N	20	N
MS09S	N	N	10	150	15	50	N	N	70	<10	N	20	N
MS10S	N	N	10	70	30	20	N	N	100	10	N	15	N
MS11S	N	N	10	100	20	50	N	<20	50	20	N	20	N
MS12S	N	N	7	100	10	30	N	N	70	<10	N	15	N
MS13S	N	N	7	70	15	50	N	N	70	<10	N	15	N
MS14S	N	N	7	70	50	20	N	N	30	N	N	15	N
MS15S	N	N	7	100	10	20	N	N	50	10	N	15	N
MS16S	N	N	10	150	20	50	N	N	100	10	N	20	30

Table 6.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80-mesh stream-sediment samples, Nulato quadrangle, Alaska

—continued

Sample	S-SR	S-V	S-U	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	INST-HG	AA-ZN-P
M4995	300	200	N	50	N	300	N	N	.06	60
M5003	100	300	N	50	<200	150	N	N	.12	80
M5013	150	200	N	50	N	150	N	N	.10	70
M5023	100	150	N	50	<200	200	N	N	.14	70
M5033	150	200	N	30	<200	150	N	N	.12	85
M5043	150	150	N	30	N	200	N	N	.14	60
M5053	100	200	N	15	<200	150	N	N	.02	60
M5063	150	150	N	30	N	150	N	N	.02	60
M5073	200	200	N	30	<200	500	N	N	.10	50
M5083	300	300	N	30	N	200	N	<.05	.04	55
M5093	200	200	N	50	N	300	N	N	.02	55
M5103	150	150	N	30	<200	150	N	N	.08	65
M5113	200	300	N	30	<200	300	N	N	.06	55
M5123	150	300	N	30	<200	300	N	N	.08	50
M5133	150	200	N	30	<200	200	N	N	.04	55
M5143	150	150	N	50	N	500	N	N	.04	55
M5153	100	300	N	30	<200	200	N	N	.04	65
M5163	200	200	N	50	<200	300	N	N	.06	60

Table 1.—Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hulfix quadrangle, Alaska

Sample	LATITUDE	LONGITUD	%-FEX	%-MGX	%-CAX	%-TIX	%-MN	%-AG	%-AS	%-AU	%-B	%-BA
MOD1C2	63 13 54	154 45 49	20	1.50	.7	>1.00	5,000	50.0	N	N	300	100
MOD2C2	63 14 0	154 46 40	20	.70	1.0	>1.00	5,000	30.0	500	20	200	100
MOD3C2	63 7 9	154 54 46	20	3.00	1.5	>1.00	5,000	5.0	N	N	200	200
MOD4C2	63 9 43	154 56 2	20	5.00	1.5	>1.00	5,000	N	N	N	100	200
MOD5C2	63 12 54	154 55 26	20	5.00	2.0	>1.00	5,000	N	N	N	200	200
MOD6C2	63 11 0	154 50 5	20	5.00	2.0	>1.00	5,000	N	N	N	150	200
MOD7C2	63 12 34	154 51 16	10	3.00	1.0	1.00	1,500	N	N	N	100	<50
MOD8C2	63 12 36	154 45 48	15	3.00	2.0	>1.00	5,000	N	N	N	300	100
MOD9C2	63 14 58	154 40 45	20	5.00	2.0	1.00	5,000	N	N	N	500	300
MOD10C2	63 15 37	154 38 43	20	5.00	3.0	>1.00	5,000	N	N	N	200	300
MOD11C2	63 18 13	154 32 49	20	5.00	2.0	1.00	5,000	N	N	N	100	200
MOD12C2	63 17 52	154 31 41	>20	5.00	2.0	1.00	5,000	N	1,000	N	100	200
MOD13C2	63 18 25	154 28 52	15	5.00	7.0	>1.00	3,000	N	N	N	20	200
MOD14C2	63 17 13	154 28 33	>20	1.00	1.5	.70	2,000	N	500	N	50	300
MOD15C2	63 19 18	154 24 55	15	3.00	3.0	>1.00	3,000	N	N	N	1,000	200
MOD16C2	63 20 23	154 20 30	20	2.00	3.0	>1.00	3,000	N	N	N	1,000	200
MOD17C2	63 22 35	154 26 19	20	5.00	2.0	1.00	3,000	N	N	N	100	200
MOD18C2	63 21 5	154 28 40	>20	1.00	1.0	.70	>5,000	N	N	N	50	300
MOD19C2	63 22 34	154 20 50	20	1.00	.7	.70	1,500	N	N	N	50	200
MOD20C2	63 24 6	154 15 57	>20	1.00	1.0	>1.00	3,000	N	N	N	70	700
MOD21C2	63 26 11	154 53 30	10	.70	2.0	1.00	>5,000	N	N	N	100	300
MOD22C2	63 26 49	155 1 23	20	.70	2.0	.50	>5,000	N	500	N	70	500
MOD23C2	63 27 37	155 3 56	20	1.50	2.0	.50	>5,000	N	N	N	70	500
MOD24C2	63 28 32	155 6 16	20	1.50	2.0	1.00	>5,000	N	N	N	70	500
MOD25C2	63 31 50	155 9 17	20	1.50	.7	1.00	>5,000	N	<500	N	100	500
MOD26C2	63 33 51	155 3 27	20	1.00	.7	1.00	>5,000	N	N	N	200	500
MOD27C2	63 32 43	155 0 30	20	2.00	1.0	>1.00	>5,000	N	N	N	300	300
MOD28C2	63 32 40	154 56 39	20	1.00	1.5	.50	>5,000	N	<500	N	300	500
MOD29C2	63 30 19	154 56 45	20	1.50	3.0	1.00	>5,000	N	N	N	200	300
MOD30C2	63 28 24	154 52 33	20	.70	2.0	.50	>5,000	N	<500	N	200	700
MOD31C2	63 25 8	154 52 1	>20	1.00	1.0	1.00	3,000	<1.0	2,000	N	1,500	700
MOD32C2	63 28 39	154 45 45	20	3.00	1.0	1.00	5,000	N	N	N	200	300
MOD33C2	63 27 46	154 44 35	20	3.00	2.0	>1.00	3,000	N	N	N	500	300
MOD34C2	63 27 29	154 38 14	20	3.00	2.0	>1.00	2,000	2.0	N	N	200	300
MOD35C2	63 25 13	154 38 2	15	3.00	3.0	1.00	2,000	N	N	N	>2,000	200
MOD36C2	63 25 13	154 39 6	20	5.00	3.0	>1.00	3,000	N	N	N	200	200
MOD37C2	63 26 24	154 34 37	20	1.50	1.0	1.00	2,000	10.0	700	N	500	500
MOD38C2	63 25 52	154 30 10	20	1.50	1.5	>1.00	2,000	5.0	N	N	200	500
MOD39C2	63 28 38	154 30 35	20	1.50	1.5	7.00	3,000	7.0	N	N	2,000	500
MOD40C2	63 30 33	154 17 49	20	5.00	3.0	>1.00	5,000	N	N	N	300	300
MOD41C2	63 27 5	154 33 26	20	5.00	2.0	>1.00	5,000	7.0	500	N	300	500
MOD42C2	63 31 11	154 23 6	20	3.00	2.0	>1.00	3,000	N	N	N	100	200
MOD43C2	63 29 37	154 38 2	20	3.00	2.0	>1.00	3,000	N	<500	N	>2,000	200
MOD44C2	63 30 49	154 30 9	20	2.00	.5	1.00	1,500	7.0	1,000	N	>2,000	300
MOD45C2	63 31 9	154 36 18	20	1.50	2.0	>1.00	>5,000	N	1,000	N	>2,000	300

Table 1.—Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NO	S-NI	S-PB
MD01C2	N	20	50	70	300	500	<50	N	200	50	50
MD02C2	N	200	N	70	150	10,000	300	N	100	30	300
MD03C2	<2	20	N	70	500	700	300	N	<50	100	20
MD04C2	N	N	N	70	500	300	200	N	<50	70	20
MD05C2	N	N	N	70	500	200	300	N	<50	70	20
MD06C2	N	N	N	70	700	100	200	N	<50	70	20
MD07C2	N	N	N	50	100	50	150	N	<50	70	<20
MD08C2	<2	N	N	50	200	300	500	N	150	100	50
MD09C2	<2	N	N	70	500	100	100	N	<50	100	20
MD10C2	<2	N	N	70	700	100	200	N	<50	70	20
MD11C2	N	N	N	70	300	100	100	50	<50	150	30
MD12C2	2	N	N	70	200	200	150	<10	<50	150	500
MD13C2	<2	N	N	50	200	100	50	<10	<50	150	30
MD14C2	2	N	50	70	100	300	50	50	<50	200	500
MD15C2	N	N	N	70	200	200	50	N	<50	150	20
MD16C2	N	N	N	70	150	200	50	<10	<50	150	50
MD17C2	N	N	N	70	300	100	200	20	<50	100	20
MD18C2	2	N	N	70	150	300	50	N	<50	150	500
MD19C2	<2	N	N	50	150	300	50	20	<50	150	500
MD20C2	<2	N	N	70	500	200	70	N	<50	200	200
MD21C2	<2	N	N	<10	150	150	100	N	<50	100	20
MD22C2	2	N	N	70	150	500	100	<10	<50	200	150
MD23C2	N	N	50	50	150	200	>1,000	N	150	100	150
MD24C2	10	N	N	50	200	150	>1,000	N	100	50	200
MD25C2	5	N	N	100	1,000	200	500	N	<50	200	100
MD26C2	5	N	N	100	1,000	300	>1,000	N	<50	500	100
MD27C2	3	N	N	70	700	200	>1,000	N	<50	100	100
MD28C2	5	N	N	50	200	500	1,000	N	<50	200	200
MD29C2	N	N	50	50	200	300	>1,000	N	<50	50	200
MD30C2	2	N	N	50	2,000	200	150	N	<50	300	100
MD31C2	3	<20	N	70	2,000	500	100	N	<50	300	100
MD32C2	N	N	N	70	>5,000	70	200	N	<50	150	700
MD33C2	N	N	N	70	>5,000	70	200	N	<50	150	20
MD34C2	N	N	N	50	>5,000	100	150	N	<50	150	700
MD35C2	N	N	N	50	>5,000	70	150	N	<50	100	50
MD36C2	N	N	N	100	2,000	50	50	N	<50	200	20
MD37C2	5	N	N	50	2,000	200	50	N	<50	150	1,000
MD38C2	2	N	N	70	>5,000	300	70	N	<50	200	500
MD39C2	5	N	N	50	>5,000	200	50	N	<50	150	700
MD40C2	<2	N	N	70	700	150	100	N	<50	100	30
MD41C2	<2	N	N	70	5,000	150	100	N	<50	700	2,000
MD42C2	N	N	N	70	500	50	50	N	<50	100	<20
MD43C2	5	N	N	50	2,000	150	200	N	<50	100	150
MD44C2	5	100	N	70	500	700	300	N	<50	100	500
MD45C2	5	20	N	70	1,000	300	300	N	<50	150	500

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfire quadrangle, Alaska --continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TN
M001C2	N	50	50	N	300	N	70	700	1,000	N
M002C2	N	20	100	N	300	N	100	500	700	N
M003C2	N	70	20	<200	200	N	100	<500	700	N
M004C2	N	70	N	<200	300	N	100	<500	700	N
M005C2	N	70	N	<200	300	N	150	<500	1,000	N
M006C2	N	70	N	<200	300	N	150	<500	1,000	N
M007C2	N	30	N	N	200	N	100	N	200	N
M008C2	N	50	50	N	300	N	150	500	500	N
M009C2	N	70	N	<200	300	N	100	<500	300	N
M010C2	N	70	N	<200	300	N	100	<500	>1,000	N
M011C2	N	50	N	<200	300	N	70	500	300	N
M012C2	N	50	N	N	500	N	50	2,000	300	N
M013C2	N	70	N	N	500	N	70	500	200	N
M014C2	N	70	N	N	300	N	50	1,000	150	N
M015C2	N	30	N	<200	700	N	70	500	200	N
M016C2	N	50	N	<200	700	N	70	500	200	N
M017C2	N	50	N	<200	300	N	70	500	500	N
M018C2	N	50	N	<200	500	N	50	500	200	N
M019C2	N	20	N	N	300	N	20	1,000	100	N
M020C2	N	10	N	<200	500	N	300	1,000	200	N
M021C2	N	30	N	N	500	N	300	500	500	N
M022C2	N	50	N	N	300	N	200	700	200	N
M023C2	N	50	N	N	500	N	1,000	N	700	2,000
M024C2	N	50	50	N	500	N	1,000	N	1,000	2,000
M025C2	N	50	N	N	300	N	100	700	200	<200
M026C2	N	50	N	<200	300	N	500	1,000	300	500
M027C2	N	100	70	N	300	N	500	<500	500	1,000
M028C2	N	50	<20	N	300	N	300	500	300	200
M029C2	N	100	50	N	300	N	1,000	N	500	2,000
M030C2	N	100	N	N	500	N	200	500	500	N
M031C2	N	50	N	<200	500	N	50	700	200	N
M032C2	N	50	N	<200	300	N	50	500	300	N
M033C2	N	50	N	<200	500	N	200	500	>1,000	N
M034C2	N	50	200	N	500	N	50	500	300	N
M035C2	N	50	20	N	500	N	50	500	300	N
M036C2	N	>100	N	N	500	N	50	500	500	N
M037C2	N	20	<20	N	200	N	50	2,000	200	N
M038C2	N	30	N	<200	500	N	50	700	700	N
M039C2	N	30	N	N	500	N	100	500	200	N
M040C2	N	70	N	200	500	N	70	500	300	N
M041C2	N	70	150	200	500	N	70	1,000	500	N
M042C2	N	50	N	N	500	N	50	<500	200	N
M043C2	N	50	150	200	300	N	70	<500	300	N
M044C2	N	50	150	200	300	N	70	<500	300	N
M045C2	N	50	150	200	300	N	100	500	300	N

Table 7.—Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hulfix quadrangle, Alaska—Continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
MD46C2	63 32 9	154 42 4	20	5.00	2.0	>1.00	>5,000	N	N	N	2,000	200
MD47C2	63 33 37	154 38 11	>20	1.00	1.5	.30	>5,000	2.0	<500	N	>2,000	500
MD48C2	63 35 34	154 38 36	>20	1.50	1.5	.70	1,500	N	N	N	>2,000	700
MD49C2	63 33 43	154 39 1	>20	3.00	2.0	1.00	3,000	N	N	N	1,500	500
MD50C2	63 31 58	154 26 20	>20	3.00	2.0	>1.00	5,000	N	N	N	1,000	1,000
MD51C2	63 34 54	154 28 22	15	5.00	3.0	1.00	2,000	N	N	N	100	300
MD52C2	63 35 10	154 21 13	>20	2.00	1.0	>1.00	3,000	N	N	N	100	50
MD53C2	63 34 5	154 29 12	>20	5.00	3.0	>1.00	5,000	N	N	N	2,000	300
MD54C2	63 35 14	154 16 18	>20	5.00	3.0	1.00	2,000	N	N	N	200	300
MD55C2	63 34 58	154 21 18	20	5.00	7.0	>1.00	3,000	N	N	N	200	500
MD56C2	63 37 43	154 12 46	>20	.50	.5	.20	1,500	2.0	500	N	100	500
MD57C2	63 37 2	154 14 32	20	5.00	2.0	>1.00	5,000	N	<500	N	500	300
MD58C2	63 39 55	154 9 14	>20	.70	.7	.30	3,000	N	5,000	N	200	1,000
MD59C2	63 39 56	154 12 28	20	3.00	2.0	1.00	5,000	N	500	N	1,000	500
MD60C2	63 40 18	154 20 1	20	3.00	3.0	.50	>5,000	N	N	N	500	500
MD61C2	63 41 39	154 14 42	20	5.00	3.0	>1.00	>5,000	N	N	N	1,500	500
MD62C2	63 40 32	154 24 34	10	3.00	2.0	.70	1,500	N	N	N	50	500
MD63C2	63 39 4	154 25 43	20	5.00	5.0	1.00	3,000	N	N	N	50	700
MD64C2	63 43 2	154 33 19	20	1.00	1.0	>1.00	1,500	N	N	N	100	300
MD65C2	63 37 38	154 29 28	20	3.00	2.0	.70	5,000	N	N	N	500	700
MD66C2	63 42 48	154 29 50	20	3.00	3.0	>1.00	3,000	N	N	N	200	500
MD67C2	63 5 28	154 47 28	20	1.50	2.0	>1.00	5,000	N	N	N	300	300
MD68C2	63 3 48	154 49 38	20	3.00	3.0	>1.00	2,000	N	N	N	200	500
MD69C2	63 6 2	154 53 9	20	5.00	2.0	>1.00	5,000	N	N	N	200	500
MD70C2	63 6 0	154 51 24	20	3.00	2.0	1.00	5,000	N	N	N	300	500
MD71C2	63 2 57	154 55 16	20	5.00	3.0	>1.00	5,000	N	N	N	200	500
MD72C2	63 5 29	154 56 0	20	5.00	2.0	>1.00	>5,000	N	N	N	150	300
MD74C2	63 1 31	154 58 32	20	5.00	3.0	>1.00	5,000	N	N	N	300	500
MD75C2	63 0 17	155 15 16	20	5.00	3.0	>1.00	3,000	N	N	N	300	500
MD76C2	63 2 29	155 6 20	20	5.00	5.0	>1.00	3,000	N	N	N	500	700
MD77C2	63 0 8	155 26 0	20	5.00	3.0	>1.00	>5,000	N	N	N	300	500
MD78C2	63 1 15	155 19 34	20	5.00	2.0	>1.00	>5,000	N	N	N	70	300
MD80C2	63 22 16	155 26 26	20	5.00	2.0	>1.00	>5,000	N	N	N	1,000	200
MD81C2	63 24 11	155 25 54	20	5.00	2.0	>1.00	>5,000	N	N	N	500	300
MD82C2	63 24 46	155 23 34	20	5.00	2.0	>1.00	>5,000	N	N	N	200	500
MD83C2	63 27 42	155 24 9	20	5.00	2.0	>1.00	>5,000	N	N	N	300	1,000
MD84C2	63 28 7	155 28 50	20	5.00	2.0	>1.00	5,000	N	N	N	300	500
MD85C2	63 28 15	155 31 43	20	5.00	2.0	>1.00	>5,000	N	N	N	200	700
MD86C2	63 26 23	155 35 19	20	5.00	5.0	>1.00	5,000	N	N	N	50	500
MD87C2	63 28 1	155 35 6	20	3.00	1.0	1.00	2,000	N	N	N	200	500
MD88C2	63 23 8	155 34 29	20	3.00	7.0	>1.00	3,000	N	N	N	1,500	200
MD89C2	63 23 31	155 38 24	20	7.00	7.0	>1.00	5,000	N	N	N	1,500	500
MD90C2	63 22 23	155 38 16	15	5.00	5.0	1.00	3,000	N	N	N	2,000	300
MD91C2	63 20 12	155 37 55	20	5.00	5.0	1.00	3,000	N	N	N	>2,000	300
MD92C2	63 19 37	155 33 15	20	5.00	5.0	>1.00	3,000	N	N	N	>2,000	200

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Wolfe quadrangle, Alaska--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MO46C2	5	N	N	70	3,000	50	500	N	<50	70	100
MO47C2	7	N	N	70	700	200	150	N	<50	150	200
MO48C2	3	N	N	70	1,000	100	200	N	<50	150	70
MO49C2	3	N	N	70	5,000	100	200	N	<50	150	50
MO50C2	<2	N	N	70	>5,000	300	300	10	50	200	200
MO51C2	<2	N	N	50	1,500	20	100	N	<50	100	20
MO52C2	N	N	N	70	700	100	50	<10	200	100	20
MO53C2	N	N	N	70	3,000	100	200	N	100	100	20
MO54C2	2	N	N	70	500	70	150	N	<50	100	20
MO55C2	N	N	N	70	2,000	100	100	N	50	150	20
MO56C2	5	N	N	100	500	700	50	30	<50	200	500
MO57C2	<2	N	N	100	700	500	700	N	50	200	2,000
MO58C2	5	N	N	100	200	500	50	20	<50	200	700
MO59C2	3	N	N	70	700	200	500	<10	50	150	150
MO60C2	<2	N	N	50	500	100	1,000	N	<50	100	100
MO61C2	<2	N	N	70	2,000	70	700	10	<50	100	100
MO62C2	<2	N	N	50	700	10	500	N	<50	50	50
MO63C2	<2	N	N	70	700	20	300	N	<50	70	50
MO64C2	N	N	N	15	500	20	50	N	<50	30	30
MO65C2	2	N	N	70	700	300	1,000	N	<50	150	100
MO66C2	N	N	N	50	500	100	50	N	<50	50	50
MO67C2	N	N	N	50	1,000	100	700	N	50	100	20
MO68C2	N	N	N	70	700	100	700	N	<50	150	20
MO69C2	N	N	N	70	700	100	200	N	50	100	20
MO70C2	N	N	N	70	500	50	150	N	<50	100	<20
MO71C2	2	N	N	50	700	100	200	N	50	70	20
MO72C2	N	N	N	70	1,000	100	300	N	50	100	100
MO74C2	N	N	N	70	700	100	200	N	50	100	30
MO75C2	<2	N	N	70	700	100	100	N	<50	100	20
MO76C2	N	N	N	70	700	100	200	N	<50	100	20
MO77C2	N	N	N	70	700	100	300	N	<50	70	20
MO78C2	N	N	N	70	700	150	200	N	<50	50	20
MO80C2	N	N	N	70	3,000	200	200	N	100	150	100
MO81C2	N	N	N	70	2,000	100	50	N	100	100	20
MO82C2	N	N	N	70	>5,000	100	200	N	<50	150	20
MO83C2	N	N	N	70	>5,000	150	200	N	<50	150	20
MO84C2	N	N	N	70	>5,000	50	150	N	<50	100	20
MO85C2	N	N	N	70	3,000	100	50	N	<50	100	20
MO86C2	<2	N	N	70	1,500	100	50	N	50	100	20
MO87C2	<2	N	N	70	5,000	70	50	N	<50	200	20
MO88C2	7	N	N	50	1,500	100	100	N	<50	100	30
MO89C2	5	N	N	70	3,000	100	50	N	<50	150	20
MO90C2	5	N	N	50	2,000	50	50	N	<50	150	20
MO91C2	2	N	N	70	2,000	100	50	N	<50	150	30
MO92C2	2	N	N	50	2,000	100	50	N	<50	100	20

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska --continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TM
MD46C2	N	50	N	N	300	N	100	<500	300	N
MD47C2	N	30	N	N	200	N	100	700	100	N
MD48C2	N	50	150	500	300	N	100	500	300	N
MD49C2	N	50	N	200	300	N	100	500	200	N
MD50C2	N	50	N	200	300	N	70	700	700	N
MD51C2	N	50	N	<200	300	N	70	<500	70	N
MD52C2	N	50	N	N	300	N	70	<500	>1,000	N
MD53C2	N	100	N	200	500	N	150	<500	>1,000	N
MD54C2	N	100	N	<200	300	N	70	500	700	N
MD55C2	N	100	N	<200	500	N	50	<500	700	N
MD56C2	N	20	N	<200	150	N	70	1,500	100	N
MD57C2	N	100	N	<200	300	N	200	<500	300	N
MD58C2	N	20	N	N	300	N	50	700	100	N
MD59C2	N	70	N	<200	300	N	100	500	100	N
MD60C2	N	100	N	<200	300	N	100	<500	500	200
MD61C2	N	100	N	200	500	N	100	<500	500	N
MD62C2	N	50	N	N	300	N	70	N	700	N
MD63C2	N	100	N	200	500	N	100	N	500	N
MD64C2	N	50	N	200	500	N	50	N	200	N
MD65C2	N	30	N	<200	300	N	100	<500	>1,000	N
MD66C2	N	30	N	300	500	N	200	<500	300	N
MD67C2	N	30	N	200	500	N	100	N	300	N
MD68C2	N	50	N	500	500	N	70	N	200	N
MD69C2	N	50	N	200	300	N	150	<500	500	N
MD70C2	N	30	N	200	300	N	50	N	200	N
MD71C2	N	50	N	500	300	N	200	<500	>1,000	N
MD72C2	N	50	N	200	300	N	200	<500	1,000	N
MD74C2	N	70	N	200	500	N	150	<500	>1,000	N
MD75C2	N	50	N	200	300	N	70	<500	500	N
MD76C2	N	50	N	500	500	N	70	N	200	N
MD77C2	N	70	N	200	300	N	150	<500	700	N
MD78C2	N	50	N	<200	300	N	150	<500	1,000	N
MD80C2	N	70	N	N	700	N	50	<500	300	N
MD81C2	N	70	N	<200	700	N	50	<500	500	N
MD82C2	N	100	N	N	500	N	70	500	500	N
MD83C2	N	70	N	N	500	N	150	<500	700	N
MD84C2	N	50	N	N	500	N	100	<500	500	N
MD85C2	N	50	N	N	500	N	50	<500	300	N
MD86C2	N	100	N	<200	700	N	30	<500	100	N
MD87C2	N	50	N	N	500	N	50	<500	700	N
MD88C2	N	100	N	1,000	700	N	50	<500	200	N
MD89C2	N	100	N	500	700	N	70	500	200	N
MD90C2	N	100	N	200	700	N	50	<500	200	N
MD91C2	N	100	N	300	700	N	50	<500	150	N
MD92C2	N	100	N	300	700	N	50	<500	200	N

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska --continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M093C2	63 18 10	155 30 40	20	5.00	5.0	>1.00	5,000	N	N	N	1,500	200
M094C2	63 19 35	155 22 26	20	3.00	1.0	>1.00	3,000	N	N	N	500	200
M095C2	63 17 2	155 37 50	20	5.00	5.0	>1.00	3,000	N	N	N	700	500
M096C2	63 21 41	155 21 13	20	5.00	2.0	>1.00	>5,000	N	N	N	1,000	300
M097C2	63 16 56	155 42 15	20	5.00	1.0	1.00	2,000	N	N	N	1,000	500
M098C2	63 1 50	155 31 44	20	5.00	3.0	1.00	5,000	N	N	N	100	500
M099C2	63 0 47	155 40 25	20	3.00	2.0	.50	5,000	N	N	N	100	700
M100C2	63 0 40	155 49 28	5	1.00	.7	>1.00	1,000	N	N	N	50	300
M101C2	63 3 1	155 51 42	15	5.00	2.0	>1.00	5,000	N	N	N	100	300
M102C2	63 2 59	155 54 52	20	5.00	3.0	>1.00	>5,000	N	N	N	100	300
M103C2	63 5 20	155 48 8	20	5.00	2.0	>1.00	>5,000	N	N	N	100	500
M104C2	63 5 3	155 56 8	20	5.00	5.0	>1.00	>5,000	N	N	N	70	300
M105C2	63 4 55	155 52 12	20	7.00	7.0	>1.00	>5,000	N	N	N	70	300
M106C2	63 7 24	155 57 52	20	7.00	7.0	1.00	5,000	N	N	N	100	200
M107C2	63 9 17	155 57 18	20	5.00	7.0	>1.00	>5,000	N	N	N	2,000	200
M109C2	63 12 44	155 49 28	20	5.00	5.0	1.00	>5,000	5.0	N	N	>2,000	500
M111C2	63 13 31	155 59 44	20	5.00	7.0	>1.00	5,000	N	N	N	1,000	200
M112C2	63 13 48	155 45 16	20	3.00	2.0	1.00	5,000	N	N	N	700	300
M113C2	63 12 56	155 42 29	20	7.00	5.0	1.00	5,000	N	N	N	200	200
M114C2	63 20 24	155 55 46	20	3.00	.7	>1.00	5,000	N	N	N	1,000	1,000
M115C2	63 16 49	155 58 22	20	5.00	5.0	>1.00	3,000	N	N	N	500	200
M116C2	63 20 41	155 46 43	20	1.50	.1	.70	1,500	N	N	N	500	500
M118C2	63 20 23	155 46 33	20	3.00	2.0	.50	1,500	N	N	N	300	700
M119C2	63 17 47	155 40 55	20	3.00	1.5	>1.00	5,000	N	N	N	500	300
M121C2	63 22 36	155 49 39	20	5.00	.2	>1.00	1,500	N	N	N	500	500
M122C2	63 23 48	155 45 45	15	5.00	3.0	>1.00	5,000	N	N	N	1,000	200
M123C2	63 26 43	155 47 12	20	3.00	2.0	>1.00	>5,000	N	N	N	500	700
M124C2	63 26 23	155 42 31	15	5.00	.2	.70	5,000	N	N	N	200	300
M125C2	63 28 13	155 44 59	20	2.00	3.0	>1.00	5,000	N	N	N	300	300
M126C2	63 26 13	155 42 31	20	5.00	2.0	.50	3,000	1.0	N	N	200	500
M127C2	63 29 9	155 57 50	15	2.00	2.0	1.00	3,000	N	N	N	200	200
M128C2	63 26 10	155 59 34	20	7.00	2.0	.20	1,500	N	N	N	200	500
M129C2	63 29 42	155 46 23	20	5.00	1.0	.70	>5,000	N	N	N	500	300
M130C2	63 25 32	155 59 37	20	5.00	10.0	>1.00	3,000	N	N	N	300	700
M131C2	63 32 47	155 9 15	15	7.00	.5	1.00	2,000	N	N	N	<20	100
M132C2	63 29 6	155 53 23	15	3.00	2.0	>1.00	>5,000	N	N	N	1,000	300
M133C2	63 31 50	155 7 54	20	5.00	.5	>1.00	3,000	N	N	N	50	200
M134C2	63 29 18	155 53 52	20	7.00	5.0	>1.00	5,000	N	N	N	500	200
M135C2	63 31 36	155 3 28	20	3.00	2.0	>1.00	>5,000	N	N	N	50	500
M136C2	63 29 16	155 37 5	20	1.50	.2	.30	1,500	30.0	N	N	>2,000	200
M137C2	63 54 26	155 3 5	20	5.00	2.0	>1.00	5,000	N	N	N	200	200
M138C2	63 29 26	155 37 10	20	2.00	1.5	.50	5,000	1.0	N	N	500	300
M140C2	63 56 17	155 3 32	20	5.00	5.0	>1.00	5,000	N	N	N	50	300
M141C2	63 59 15	155 5 7	15	5.00	5.0	>1.00	2,000	N	N	N	20	100
M142C2	63 52 26	155 16 46	20	5.00	2.0	>1.00	2,000	N	N	N	20	300

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska --continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MD95C2	<2	N	N	70	1,500	100	100	N	<50	100	20
MD96C2	N	N	N	70	1,000	50	200	N	<50	70	20
MD97C2	N	N	N	70	5,000	150	200	N	<50	100	20
MD98C2	N	N	N	70	1,500	150	150	N	50	70	20
MD97C2	N	N	N	100	>5,000	150	500	N	<50	200	20
MD98C2	20	N	N	50	500	10	500	N	<50	20	20
MD99C2	2	N	N	70	700	100	200	N	<50	100	20
M100C2	<2	N	N	20	100	20	50	N	<50	30	<20
M101C2	N	N	N	70	700	50	100	N	<50	100	20
M102C2	N	N	N	70	3,000	50	200	N	<50	100	20
M103C2	N	N	N	70	1,000	100	200	N	<50	70	20
M104C2	N	N	N	50	>5,000	100	50	N	<50	100	20
M105C2	N	N	N	70	5,000	30	150	N	<50	150	20
M106C2	N	N	N	70	>5,000	30	50	N	<50	200	20
M107C2	N	N	N	70	>5,000	150	50	N	50	200	100
M109C2	3	100	N	50	1,500	150	200	N	<50	100	1,000
M111C2	N	N	N	70	>5,000	100	50	N	50	200	150
M112C2	N	N	N	70	2,000	100	300	N	<50	150	200
M113C2	<2	N	N	70	2,000	100	300	N	<50	100	20
M114C2	N	N	N	70	5,000	150	300	N	<50	150	50
M115C2	<2	N	N	70	>5,000	70	500	N	<50	100	20
M116C2	2	N	N	50	>5,000	150	50	N	<50	200	50
M118C2	3	N	N	70	5,000	150	100	N	<50	150	50
M119C2	<2	N	N	70	>5,000	50	1,000	N	<50	100	<20
M121C2	<2	N	N	70	>5,000	100	>1,000	N	<50	200	30
M122C2	2	N	N	50	3,000	100	50	N	<50	150	20
M123C2	<2	N	N	50	5,000	30	300	N	<50	70	20
M124C2	N	N	N	70	5,000	30	70	N	<50	70	<20
M125C2	<2	N	N	70	>5,000	200	200	N	<50	150	200
M126C2	<2	N	N	70	3,000	100	70	N	<50	100	50
M127C2	3	N	N	50	700	50	200	N	<50	50	20
M128C2	<2	N	N	50	1,000	50	50	N	<50	200	30
M129C2	N	N	N	70	5,000	50	150	N	<50	70	50
M130C2	2	N	N	70	2,000	70	70	N	<50	200	50
M131C2	N	N	N	100	1,500	20	50	N	<50	200	20
M132C2	<2	N	N	70	700	50	150	N	<50	50	20
M133C2	N	N	N	70	500	50	50	N	<50	50	20
M134C2	2	N	N	70	500	50	100	N	<50	70	20
M135C2	N	N	N	70	500	70	100	N	<50	70	50
M136C2	2	N	N	20	500	200	100	N	<50	100	200
M137C2	N	N	N	70	1,000	50	100	N	<50	100	20
M138C2	2	N	N	50	5,000	150	50	N	<50	100	100
M140C2	N	N	N	70	700	100	50	N	<50	150	20
M141C2	N	N	N	70	700	20	50	N	<50	100	20
M142C2	N	N	N	70	700	100	50	N	<50	200	50

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hulfra quadrangle, Alaska--continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M093C2	N	70	N	<200	500	N	70	500	200	N
M094C2	N	50	N	N	200	N	70	<500	1,000	N
M095C2	N	100	N	<200	700	N	150	<500	300	N
M096C2	N	100	N	<200	500	N	100	500	700	N
M097C2	N	70	N	N	500	N	300	500	700	N
M098C2	N	70	N	200	200	N	500	500	500	N
M099C2	N	50	N	200	300	N	100	<500	1,000	N
M100C2	N	<10	N	N	100	N	20	N	200	N
M101C2	N	50	N	<200	300	N	100	500	>1,000	N
M102C2	N	100	N	<200	500	N	100	<500	300	N
M103C2	N	100	N	<200	500	N	100	<500	1,000	N
M104C2	N	100	N	<200	700	N	100	500	300	N
M105C2	N	>100	N	<200	700	N	150	500	500	N
M106C2	N	>100	N	<200	700	N	50	500	200	N
M107C2	N	100	N	<200	1,000	N	30	500	200	N
M109C2	N	100	500	<200	500	N	100	700	300	N
M111C2	N	>100	N	<200	700	N	50	500	200	N
M112C2	N	70	N	N	300	N	100	500	200	N
M113C2	N	100	N	N	300	N	200	500	1,000	N
M114C2	N	70	N	N	300	N	200	500	300	N
M115C2	N	70	N	N	300	N	200	N	500	N
M116C2	N	30	N	N	200	N	70	N	150	N
M118C2	N	30	N	N	300	N	150	<500	70	N
M119C2	N	100	N	N	300	N	300	N	>1,000	N
M121C2	N	50	N	N	200	N	500	N	700	N
M122C2	N	70	N	<200	500	N	50	N	70	N
M123C2	N	50	N	<200	300	N	100	<500	300	N
M124C2	N	50	N	N	200	N	70	<500	500	N
M125C2	N	50	>1,000	N	300	N	100	2,000	500	N
M126C2	N	50	N	N	200	N	50	N	200	N
M127C2	N	100	N	200	500	N	100	N	>1,000	N
M128C2	N	30	N	N	200	N	20	N	70	N
M129C2	N	70	500	N	200	N	200	500	300	N
M130C2	N	50	N	<200	300	N	50	<500	200	N
M131C2	N	70	N	N	300	N	20	N	70	N
M132C2	N	100	N	200	500	N	100	N	1,000	N
M133C2	N	100	N	N	700	N	20	N	300	N
M134C2	N	100	N	200	500	N	100	N	1,000	N
M135C2	N	70	N	<200	500	N	100	N	500	N
M136C2	N	20	700	200	300	150	100	700	100	N
M137C2	N	100	N	N	500	N	150	N	700	N
M138C2	N	30	1,000	N	200	N	100	1,000	200	N
M140C2	N	100	N	200	500	N	50	N	200	N
M141C2	N	100	N	N	500	N	70	N	200	N
M142C2	N	100	N	<200	500	N	100	500	500	N

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska --continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M163C2	63 54 35	155 18 34	10	2.00	5.0	>1.00	2,000	N	N	N	50	300
M164C2	63 57 8	155 19 31	20	2.00	5.0	>1.00	2,000	N	N	N	50	300
M165C2	63 58 27	155 16 37	15	5.00	1.0	>1.00	2,000	N	N	N	200	300
M166C2	63 56 44	155 12 11	15	5.00	5.0	>1.00	2,000	N	N	N	20	200
M167C2	63 56 32	155 11 29	10	5.00	7.0	>1.00	2,000	N	N	N	20	200
M168C2	63 57 23	155 10 16	20	5.00	5.0	>1.00	5,000	N	N	N	20	500
M169C2	63 55 29	155 6 51	20	5.00	5.0	>1.00	2,000	N	N	N	20	300
M150C2	63 31 30	156 14 56	15	5.00	5.0	1.00	2,000	N	N	N	50	200
M151C2	63 33 15	156 13 27	20	5.00	2.0	>1.00	5,000	N	N	N	70	100
M152C2	63 33 22	156 11 46	20	3.00	2.0	1.00	1,500	N	N	N	100	500
M153C2	63 34 28	156 10 0	20	2.00	2.0	1.00	>5,000	N	N	N	150	500
M154C2	63 33 51	156 2 47	10	5.00	5.0	.50	1,500	N	N	N	20	200
M155C2	63 34 14	156 6 5	15	3.00	3.0	.50	1,500	N	N	N	20	100
M156C2	63 33 33	156 2 56	20	3.00	5.0	.30	1,000	N	500	N	50	200
M158C2	63 30 55	156 11 13	>20	5.00	2.0	.20	1,000	N	N	N	100	200
M159C2	63 33 50	155 57 29	20	3.00	2.0	>1.00	3,000	N	N	N	70	200
M160C2	63 31 26	156 2 6	20	5.00	3.0	1.00	3,000	N	N	N	70	200
M161C2	63 34 56	155 58 42	20	5.00	7.0	>1.00	5,000	N	N	N	100	200
M162C2	63 34 57	155 54 28	15	5.00	5.0	>1.00	5,000	N	N	N	100	200
M163C2	63 43 21	155 54 38	20	7.00	3.0	>1.00	5,000	N	N	N	200	100
M165C2	63 44 51	155 55 24	20	5.00	5.0	>1.00	3,000	N	N	N	70	500
M166C2	63 39 51	155 50 21	20	5.00	3.0	>1.00	3,000	N	N	N	100	100
M167C2	63 41 43	155 42 46	20	5.00	7.0	>1.00	>5,000	N	N	N	100	200
M169C2	63 39 26	155 44 39	20	5.00	3.0	>1.00	>5,000	N	N	N	100	200
M170C2	63 41 23	155 43 42	20	2.00	1.5	>1.00	3,000	N	N	N	50	150
M171C2	63 7 38	155 8 42	20	3.00	2.0	>1.00	5,000	N	N	N	500	200
M173C2	63 9 21	155 11 33	20	5.00	3.0	>1.00	>5,000	N	N	N	300	200
M177C2	63 17 29	156 46 44	20	2.00	1.5	>1.00	5,000	N	N	N	1,500	100
M178C2	63 16 7	156 46 38	10	5.00	5.0	2.00	1,500	N	N	N	5,000	200
M179C2	63 20 32	156 41 28	20	5.00	3.0	>1.00	5,000	N	N	N	500	100
M180C2	63 18 15	156 41 35	>20	2.00	1.0	>1.00	3,000	N	N	N	150	500
M181C2	63 22 39	156 41 3	20	5.00	5.0	>1.00	3,000	N	N	N	1,500	200
M182C2	63 21 1	156 38 26	20	1.00	5.0	1.00	2,000	N	N	N	700	300
M183C2	63 22 35	156 33 35	20	2.00	1.0	>1.00	2,000	N	N	N	50	<50
M184C2	63 21 11	156 37 22	20	1.50	1.5	1.00	2,000	N	N	N	100	300
M185C2	63 23 40	156 46 20	20	3.00	2.0	>1.00	5,000	N	N	N	500	300
M186C2	63 21 14	156 46 30	20	5.00	5.0	>1.00	3,000	N	N	N	20	200
M188C2	63 23 3	156 47 46	>20	1.00	.5	>1.00	2,000	N	N	N	700	700
M190C2	63 20 39	156 56 56	20	1.50	.5	>1.00	>5,000	N	N	N	1,000	500
M191C2	63 20 7	155 3 38	20	5.00	2.0	>1.00	>5,000	N	N	N	500	200
M192C2	63 20 42	155 0 27	>20	1.00	.1	.50	5,000	N	N	N	200	1,000
M193C2	63 23 29	155 5 11	20	7.00	2.0	>1.00	>5,000	N	N	N	500	300
M194C2	63 21 30	155 7 15	>20	1.00	.7	>1.00	>5,000	N	N	N	700	500
M195C2	63 26 11	155 7 52	>20	1.50	1.0	.50	>5,000	N	N	N	100	500
M196C2	63 24 47	155 3 51	20	.50	2.0	1.00	>5,000	N	N	N	300	300

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Wolfe quadrangle, Alaska--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M143C2	N	N	N	50	500	70	100	N	<50	50	30
M144C2	N	N	N	70	5,000	70	100	N	<50	100	30
M145C2	N	N	N	70	5,000	70	1,000	N	<50	70	20
M146C2	N	N	N	70	1,000	30	50	N	<50	150	20
M147C2	N	N	N	70	1,000	30	50	N	<50	150	20
M148C2	N	N	N	70	700	100	50	N	<50	70	20
M149C2	N	N	N	70	1,000	150	50	N	<50	150	30
M150C2	N	N	N	70	2,000	30	50	N	<50	200	20
M151C2	N	N	N	70	500	50	50	N	100	100	20
M152C2	<2	N	N	70	>5,000	100	50	N	<50	150	70
M153C2	2	N	N	70	>5,000	300	300	N	<50	200	100
M154C2	<2	N	N	70	1,500	50	50	N	<50	200	30
M155C2	N	N	N	70	1,500	150	50	N	<50	200	500
M156C2	<2	N	N	70	1,500	300	50	50	<50	200	700
M158C2	5	N	N	70	500	500	50	50	<50	200	500
M159C2	N	N	N	70	700	100	200	N	<50	100	20
M160C2	N	N	N	70	1,500	100	200	N	<50	100	70
M161C2	N	N	N	70	1,500	100	100	N	<50	100	20
M162C2	N	N	N	70	700	150	100	N	<50	100	20
M163C2	N	N	N	70	500	50	70	N	<50	150	20
M165C2	N	N	N	70	700	50	100	N	<50	200	20
M166C2	N	N	N	100	700	50	50	N	<50	200	<20
M167C2	N	N	N	50	1,000	200	50	N	<50	100	50
M169C2	N	N	N	50	>5,000	50	200	N	<50	70	20
M170C2	3	N	N	70	300	300	50	N	<50	100	100
M171C2	<2	N	N	70	700	150	200	N	50	70	20
M173C2	<2	N	N	70	700	200	200	N	100	70	30
M177C2	<2	N	N	50	700	150	100	N	100	70	50
M178C2	7	N	N	50	300	50	1,000	N	70	70	300
M179C2	<2	N	N	70	3,000	100	200	N	50	70	50
M180C2	2	N	N	70	2,000	200	100	50	50	200	150
M181C2	<2	N	N	70	>5,000	50	300	N	50	100	20
M182C2	<2	N	N	50	700	70	200	N	<50	100	50
M183C2	<2	N	N	70	700	200	100	50	<50	100	30
M184C2	2	N	N	70	700	150	50	10	<50	150	150
M185C2	<2	N	N	70	>5,000	100	500	N	<50	200	20
M186C2	<2	N	N	70	2,000	30	50	N	<50	150	20
M188C2	<2	N	N	70	>5,000	150	200	N	<50	150	200
M190C2	<2	N	N	70	>5,000	100	700	N	<50	150	20
M191C2	<2	N	N	70	5,000	100	300	N	<50	100	20
M192C2	5	N	N	70	3,000	200	50	N	<50	200	150
M193C2	N	N	N	70	5,000	70	500	N	<50	70	20
M194C2	2	N	N	70	>5,000	70	700	N	<50	150	50
M195C2	<2	N	N	70	>5,000	200	500	N	<50	150	50
M196C2	2	N	N	70	5,000	70	1,000	N	<50	150	30

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfox quadrangle, Alaska--continued

Sample	S-Sb	S-Sc	S-Sn	S-Sr	S-V	S-W	S-Y	S-Yb	S-Zr	S-Th
M143C2	N	70	N	1,000	500	N	50	<500	300	N
M144C2	N	50	N	1,000	500	N	50	<500	200	N
M145C2	N	50	N	N	200	N	300	N	200	N
M146C2	N	70	N	N	300	N	50	<500	200	N
M147C2	N	100	N	N	500	N	70	<500	200	N
M148C2	N	70	N	200	500	N	50	N	200	N
M149C2	N	100	N	<200	500	N	70	<500	700	N
M150C2	N	70	N	<200	500	N	50	N	70	N
M151C2	N	70	N	N	300	N	50	N	300	N
M152C2	N	50	N	200	500	N	50	<500	100	N
M153C2	N	50	N	200	300	N	100	1,000	100	N
M154C2	N	100	N	200	300	N	30	N	70	N
M155C2	N	50	N	N	300	N	20	<500	70	N
M156C2	N	50	N	N	300	N	20	<500	70	N
M158C2	N	30	N	<200	200	N	20	<500	70	N
M159C2	N	50	N	<200	500	N	20	N	500	N
M160C2	N	50	N	<200	300	N	100	N	100	N
M161C2	N	100	N	200	500	N	70	N	500	N
M162C2	N	70	N	200	500	N	50	N	300	N
M163C2	N	70	N	N	300	N	50	N	300	N
M165C2	N	100	100	200	500	N	50	N	300	N
M166C2	N	100	N	N	500	N	200	N	200	N
M167C2	N	70	N	200	700	N	200	N	300	N
M169C2	N	70	N	<200	300	N	200	N	700	N
M170C2	N	50	N	N	500	N	70	700	100	N
M171C2	N	100	N	<200	500	N	70	500	200	N
M173C2	N	100	N	<200	500	N	100	700	300	N
M177C2	N	70	N	N	300	N	50	500	500	N
M178C2	N	50	50	N	200	N	150	N	1,000	<200
M179C2	N	100	N	200	300	N	100	500	700	N
M180C2	N	70	N	N	500	N	70	1,000	300	N
M181C2	N	100	N	200	500	N	100	<500	1,000	N
M182C2	N	50	N	1,000	500	N	70	500	100	N
M183C2	N	70	N	N	500	N	50	700	300	N
M184C2	N	30	N	<200	500	N	70	700	100	N
M185C2	N	70	N	<200	500	N	300	500	500	N
M186C2	N	100	N	<200	500	N	50	500	300	N
M188C2	N	50	N	N	300	N	150	500	300	N
M190C2	N	30	N	N	300	N	300	500	200	N
M191C2	N	100	N	<200	300	N	200	500	500	N
M192C2	N	70	N	<200	300	N	500	1,500	200	N
M193C2	N	100	N	N	300	N	300	500	700	N
M194C2	N	100	N	<200	300	N	300	500	500	N
M195C2	N	50	N	200	300	N	200	500	200	N
M196C2	N	50	N	<200	300	N	500	500	200	N

Table 7.—Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M197C2	63 26 39	155 16 32	20	5.00	2.0	1.00	>5,000	N	N	N	50	300
M198C2	63 25 47	155 12 40	20	2.00	.5	1.00	>5,000	N	N	N	>2,000	500
M199C2	63 46 21	153 52 50	10	5.00	7.0	.30	2,000	N	N	N	50	300
M200C2	63 28 16	155 21 16	20	2.00	1.5	1.00	>5,000	N	N	N	100	500
M201C2	63 46 40	153 48 48	20	2.00	2.0	1.00	>5,000	N	N	N	100	300
M202C2	63 49 19	153 47 37	>20	.50	.7	.10	1,500	N	500	N	150	200
M203C2	63 52 0	153 37 38	>20	5.00	5.0	>1.00	5,000	N	N	N	100	100
M204C2	63 54 48	153 33 33	20	5.00	5.0	>1.00	5,000	N	N	N	100	100
M205C2	63 56 22	153 33 12	20	2.00	5.0	>1.00	3,000	N	N	N	200	300
M206C2	63 54 46	153 29 56	20	5.00	3.0	1.00	3,000	N	N	N	150	150
M207C2	63 58 11	153 18 17	20	2.00	2.0	>1.00	5,000	N	N	N	150	150
M208C2	63 56 59	153 12 34	20	3.00	1.0	>1.00	2,000	N	N	N	150	1,500
M209C2	63 57 5	153 5 28	20	1.00	1.5	>1.00	5,000	N	N	N	70	1,000
M210C2	63 58 1	153 3 43	20	1.00	1.0	>1.00	3,000	N	N	N	70	200
M211C2	63 56 39	153 7 17	20	1.50	1.0	>1.00	3,000	N	N	N	70	500
M212C2	63 56 2	153 0 32	20	.30	.7	>1.00	1,500	N	N	N	50	500
M213C2	63 52 44	153 5 29	20	1.50	1.0	>1.00	5,000	N	N	N	50	200
M214C2	63 43 52	154 4 17	>20	1.50	3.0	1.00	2,000	3.0	N	N	100	500
M215C2	63 51 24	153 19 25	20	3.00	3.0	>1.00	>5,000	N	N	N	200	700
M216C2	63 50 30	153 18 21	20	5.00	3.0	>1.00	>5,000	N	N	N	200	700
M217C2	63 49 0	153 13 31	20	.50	.5	>1.00	1,000	N	N	N	70	1,500
M218C2	63 47 44	153 16 53	20	2.00	2.0	>1.00	>5,000	N	N	N	100	1,000
M219C2	63 46 25	153 19 15	20	1.50	2.0	>1.00	5,000	N	N	N	70	200
M221C2	63 46 21	153 2 33	20	5.00	2.0	1.00	3,000	N	N	N	2,000	200
M222C2	63 51 47	153 8 23	20	2.00	1.0	>1.00	2,000	N	N	N	20	700
M225C2	63 51 50	153 3 30	20	2.00	1.0	>1.00	5,000	N	N	N	50	300
M226C2	63 53 13	153 15 1	20	2.00	2.0	>1.00	3,000	N	N	N	50	1,500
M227C2	63 54 46	153 14 2	20	.70	.7	1.00	1,000	N	N	N	50	1,000
M228C2	63 55 19	153 20 52	>20	1.50	1.0	1.00	5,000	N	N	N	100	300
M229C2	63 53 33	153 23 19	>20	3.00	2.0	>1.00	3,000	N	N	N	100	300
M230C2	63 53 47	153 21 41	20	2.00	2.0	>1.00	5,000	N	N	N	500	700
M231C2	63 50 44	153 25 25	20	2.00	2.0	>1.00	5,000	N	N	N	50	200
M233C2	63 28 59	154 15 26	>20	.70	1.0	1.00	1,000	N	500	N	50	200
M234C2	63 29 24	154 25 28	>20	1.00	.1	1.00	2,000	N	500	N	1,000	700
M236C2	63 28 41	154 8 14	>20	1.00	1.5	.20	1,500	N	N	N	50	200
M237C2	63 29 6	154 7 42	>20	1.00	1.0	.30	700	N	<500	N	50	200
M238C2	63 25 44	154 3 43	20	3.00	2.0	>1.00	5,000	N	N	N	700	1,000
M240C2	63 27 34	154 9 27	>20	.70	.5	>1.00	5,000	N	<500	N	50	1,000
M241C2	63 27 9	154 10 23	>20	1.00	.7	.20	1,500	N	<500	N	50	200
M242C2	63 25 31	154 10 32	>20	.50	.5	1.00	2,000	N	N	N	50	>5,000
M243C2	63 25 9	154 12 8	20	2.00	3.0	>1.00	1,500	N	N	N	70	1,000
M244C2	63 24 25	154 8 0	20	2.00	3.0	>1.00	3,000	N	N	N	500	1,000
M245C2	63 22 14	154 11 13	10	5.00	5.0	.50	2,000	N	N	N	50	200
M247C2	63 26 34	154 22 37	20	5.00	5.0	>1.00	5,000	N	N	N	150	200
M248C2	63 26 20	154 25 3	20	5.00	3.0	>1.00	>5,000	N	N	N	150	100

Table 7.—Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Wulfila quadrangle, Alaska—continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M197C2	<2	N	N	70	1,000	30	100	N	<50	50	20
M198C2	<2	N	N	70	>5,000	70	500	N	<50	150	20
M199C2	N	N	N	70	1,000	20	50	N	<50	200	20
M200C2	<2	N	N	70	5,000	200	200	N	<50	100	50
M201C2	<2	N	N	50	500	100	50	N	<50	70	50
M202C2	5	N	N	70	100	300	50	100	<50	200	150
M203C2	N	N	N	70	700	200	100	N	<50	100	50
M204C2	N	N	N	70	700	150	200	N	<50	100	50
M205C2	N	N	N	70	300	100	50	N	<50	150	70
M206C2	N	N	N	70	700	100	100	N	<50	150	100
M207C2	N	N	N	70	500	200	50	N	50	150	100
M208C2	<2	N	N	70	3,000	150	150	N	50	100	100
M209C2	<2	N	N	50	100	150	150	N	100	N	200
M210C2	<2	N	N	50	700	100	200	N	100	50	100
M211C2	N	N	N	70	200	200	50	N	100	<10	200
M212C2	N	N	N	50	<20	200	50	N	100	<10	50
M213C2	N	N	N	70	700	200	50	N	100	<10	30
M214C2	<2	N	N	200	700	700	50	N	50	500	500
M215C2	<2	N	N	70	500	100	150	N	50	70	100
M216C2	N	N	N	70	700	100	200	N	50	100	50
M217C2	N	N	N	100	700	100	50	N	70	70	150
M218C2	N	N	N	70	700	50	200	N	<50	70	100
M219C2	N	N	N	70	700	100	100	N	100	50	20
M221C2	<2	N	N	70	2,000	50	500	N	50	100	50
M224C2	N	N	N	70	700	150	50	N	50	50	50
M225C2	N	N	N	70	500	200	500	N	50	100	70
M226C2	<2	N	N	70	500	100	200	<10	<50	30	50
M227C2	7	N	N	50	100	50	100	N	<50	30	100
M228C2	3	N	N	70	100	200	50	20	<50	150	150
M229C2	<2	N	N	70	500	200	50	N	<50	100	100
M230C2	<2	N	N	70	500	150	50	N	50	100	100
M231C2	<2	N	N	70	500	100	50	<10	<50	100	100
M235C2	5	N	N	70	100	500	50	70	<50	200	500
M236C2	5	N	N	100	>5,000	200	50	N	<50	200	500
M238C2	3	N	N	100	100	500	100	50	<50	200	700
M237C2	5	N	N	70	100	500	50	30	<50	200	200
M238C2	N	N	N	50	500	300	50	N	<50	100	70
M240C2	2	N	N	50	700	500	50	N	<50	200	500
M241C2	5	N	N	100	700	500	50	20	<50	300	300
M242C2	2	N	N	50	150	300	50	70	<50	200	200
M243C2	<2	N	N	70	150	500	50	10	<50	150	500
M244C2	N	N	N	70	200	300	70	N	<50	100	30
M245C2	<2	N	N	50	700	50	50	N	<50	200	20
M247C2	<2	N	N	70	1,000	150	150	<10	50	150	30
M248C2	N	N	N	50	1,000	150	150	N	100	70	20

Table 7.—Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska--continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M197C2	N	50	N	200	300	N	70	500	200	N
M198C2	N	50	N	N	200	200	200	500	700	N
M199C2	N	70	N	200	300	N	20	<500	50	N
M200C2	N	30	N	200	200	N	70	500	500	N
M201C2	N	30	N	<200	200	N	70	<500	100	N
M202C2	N	20	N	<200	300	N	50	700	70	N
M203C2	N	70	N	<200	500	N	100	<500	1,000	N
M204C2	N	100	N	200	500	N	150	<500	200	N
M205C2	N	50	N	300	500	N	30	<500	150	N
M206C2	N	50	N	200	300	N	100	<500	200	N
M207C2	N	50	N	<200	500	N	50	<500	300	N
M208C2	N	70	100	200	300	N	200	<500	700	N
M209C2	N	70	50	200	300	N	200	<500	1,000	N
M210C2	N	50	100	N	150	N	200	<500	700	N
M211C2	N	70	N	N	500	N	100	<500	700	N
M212C2	N	70	N	<200	100	N	100	<500	700	N
M213C2	N	100	50	N	200	N	200	<500	700	N
M214C2	N	50	N	300	300	N	50	<500	100	N
M215C2	N	70	N	200	200	N	100	<500	500	N
M216C2	N	100	N	200	200	N	100	N	700	N
M217C2	N	100	N	N	500	N	50	<500	700	N
M218C2	N	50	N	200	300	N	100	<500	200	N
M219C2	N	50	50	N	300	N	50	<500	300	N
M221C2	N	70	N	200	300	N	500	<500	500	N
M224C2	N	50	30	N	200	N	70	N	300	N
M225C2	N	50	N	N	200	N	1,000	500	300	N
M226C2	N	70	N	200	300	N	100	500	300	N
M227C2	N	30	150	200	100	N	150	700	200	N
M228C2	N	30	N	<200	300	N	70	500	100	N
M229C2	N	50	N	<200	300	N	100	500	150	N
M230C2	N	50	N	200	300	N	100	500	300	N
M231C2	N	50	N	N	300	N	70	500	300	N
M233C2	N	15	N	N	300	N	20	700	70	N
M234C2	N	50	N	<200	300	N	50	700	300	N
M236C2	N	20	N	<200	300	<100	50	1,000	70	N
M237C2	N	20	N	<200	200	N	<20	500	50	N
M238C2	N	100	20	200	1,000	N	100	500	500	N
M240C2	N	30	N	<200	700	N	50	1,500	500	N
M241C2	N	20	N	N	500	N	50	1,000	70	N
M242C2	N	20	N	200	700	N	50	2,000	200	N
M243C2	N	30	N	200	500	N	50	1,500	150	N
M244C2	N	50	N	<200	700	N	70	<500	300	N
M245C2	N	50	N	300	300	N	20	N	300	N
M247C2	N	100	N	200	500	N	70	<500	500	N
M248C2	N	100	N	<200	500	N	50	<500	300	N

Table 7.—*Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska*--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M249C2	63 24 52	156 23 33	>20	1.00	.5	.70	1,000	N	N	N	50	300
M250C2	63 41 47	156 20 7	20	3.00	2.0	.50	2,000	N	N	N	50	300
M254C2	63 48 17	156 18 17	>20	1.00	2.0	>1.00	>5,000	N	N	N	100	150
M256C2	63 53 2	156 28 1	20	1.50	2.0	>1.00	3,000	N	N	N	70	200
M257C2	63 55 17	156 23 23	20	1.50	2.0	>1.00	3,000	N	N	N	70	200
M258C2	63 55 28	156 24 5	>20	1.00	2.0	>1.00	2,000	N	N	N	50	200
M259C2	63 55 42	156 21 36	20	2.00	3.0	>1.00	5,000	N	N	N	100	100
M262C2	63 56 46	156 11 29	20	2.00	3.0	1.00	5,000	N	N	N	150	300
M263C2	63 56 25	156 11 20	20	2.00	2.0	1.00	5,000	N	N	N	100	200
M264C2	63 52 36	156 10 33	20	2.00	5.0	.70	>5,000	N	N	N	100	100
M266C2	63 49 10	156 4 21	20	5.00	10.0	>1.00	3,000	N	N	N	50	200
M268C2	63 44 50	156 7 46	>20	2.00	2.0	1.00	5,000	N	500	N	50	500
M269C2	63 43 44	156 7 9	>20	1.50	2.0	1.00	2,000	N	N	N	100	300
M270C2	63 42 12	156 6 56	20	3.00	5.0	>1.00	3,000	N	N	N	500	500
M271C2	63 6 55	156 8 33	20	5.00	10.0	1.00	2,000	N	N	N	50	300
M272C2	63 7 12	155 56 13	20	5.00	3.0	>1.00	5,000	N	N	N	100	500
M273C2	63 10 13	155 54 27	20	5.00	3.0	>1.00	>5,000	N	N	N	100	300
M274C2	63 10 21	155 54 0	20	2.00	2.0	>1.00	>5,000	N	N	N	200	300
M278C2	63 11 19	156 2 11	20	3.00	5.0	>1.00	3,000	N	N	N	500	500
M279C2	63 25 31	156 29 15	20	3.00	5.0	>1.00	5,000	N	N	N	100	200
M280C2	63 19 11	156 20 30	20	3.00	5.0	>1.00	5,000	N	N	N	1,500	200
M281C2	63 19 38	156 9 55	20	5.00	7.0	.50	1,500	N	N	N	200	300
M283C2	63 2 36	155 7 58	20	5.00	2.0	1.00	3,000	N	N	N	150	300
M293C2	63 41 22	155 36 18	20	2.00	1.0	>1.00	>5,000	N	N	N	150	700
M294C2	63 46 51	155 39 58	20	2.00	5.0	1.00	5,000	N	N	N	100	2,000
M295C2	63 43 57	155 42 9	>20	.70	1.5	.50	>5,000	N	N	N	100	1,000
M296C2	63 42 56	155 44 20	>20	.50	1.0	.50	>5,000	N	N	N	100	>5,000
M300C2	63 40 7	155 54 36	20	5.00	10.0	>1.00	5,000	N	N	N	70	700
M302C2	63 36 36	155 58 0	20	2.00	10.0	>1.00	2,000	N	N	N	50	1,000
M303C2	63 35 28	155 58 28	5	3.00	5.0	1.00	5,000	N	N	N	200	200
M304C2	63 36 10	155 57 7	20	5.00	5.0	>1.00	>5,000	N	N	N	300	1,500
M305C2	63 33 15	155 59 28	20	5.00	5.0	>1.00	5,000	N	N	N	100	200
M306C2	63 32 52	155 51 23	10	5.00	5.0	1.00	5,000	N	N	N	50	200
M309C2	63 27 46	156 32 36	20	.20	.3	.20	2,000	50.0	3,000	N	700	500
M310C2	63 27 32	156 39 5	10	7.00	2.0	2.00	2,000	N	N	N	500	300
M311C2	63 30 20	156 36 2	15	1.00	.7	.50	2,000	1.0	1,500	N	>5,000	500
M312C2	63 37 41	156 6 37	7	10.00	7.0	.20	1,000	N	N	N	50	100
M313C2	63 41 37	156 3 51	10	7.00	10.0	.20	1,500	N	N	N	50	70
M314C2	63 41 52	156 3 18	7	7.00	7.0	1.50	1,500	N	N	N	20	150
M315C2	63 27 35	156 17 35	15	7.00	3.0	>2.00	3,000	N	N	N	50	100
M316C2	63 38 17	155 36 25	20	3.00	2.0	1.50	10,000	N	N	N	20	500
M317C2	63 36 28	155 29 18	10	5.00	5.0	>2.00	2,000	N	N	N	<20	300
M318C2	63 40 1	155 29 1	7	10.00	1.5	.30	2,000	N	N	N	<20	150
M319C2	63 40 23	155 23 48	10	10.00	1.5	.50	2,000	N	N	N	<20	200
M320C2	63 42 28	155 20 37	10	10.00	1.5	2.00	2,000	N	N	N	<20	200

TABLE 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M259C2	3	N	N	50	100	500	50	20	<50	200	300
M260C2	<2	N	N	50	500	10	1,000	N	<50	50	50
M261C2	N	N	N	70	500	100	200	N	50	70	30
M262C2	N	N	N	70	200	100	200	N	50	50	50
M263C2	N	N	N	70	700	100	200	N	100	100	20
M264C2	N	N	N	70	500	200	70	N	50	70	20
M265C2	N	N	N	70	500	100	70	N	50	100	20
M266C2	2	N	N	70	700	50	200	N	<50	150	70
M267C2	<2	N	N	50	200	30	150	N	<50	100	30
M268C2	<2	N	N	30	150	20	100	N	<50	50	<20
M269C2	N	N	N	100	700	150	50	N	<50	200	30
M270C2	2	N	N	200	200	700	1,000	50	<50	300	200
M271C2	2	N	N	200	200	700	70	70	<50	500	200
M272C2	<2	N	N	70	200	200	50	N	<50	100	50
M273C2	<2	N	N	70	1,000	200	200	30	<50	200	200
M274C2	N	N	N	70	1,000	150	500	N	<50	150	30
M275C2	N	N	N	70	1,000	200	700	N	<50	150	50
M278C2	N	N	N	50	1,000	150	500	N	<50	100	50
M279C2	<2	N	N	70	500	200	150	N	<50	100	50
M280C2	N	N	N	70	1,000	200	150	N	<50	100	20
M281C2	N	N	N	70	200	200	50	N	<50	100	30
M285C2	N	N	N	70	1,500	50	50	N	<50	200	20
M293C2	N	N	N	70	500	30	200	N	<50	70	20
M294C2	N	N	N	70	>5,000	150	50	N	<50	100	100
M295C2	3	N	N	50	>5,000	70	50	N	<50	100	50
M296C2	3	N	N	50	5,000	200	70	N	<50	200	50
M300C2	<2	N	N	50	3,000	300	70	N	<50	200	150
M302C2	N	N	N	30	1,500	70	50	N	<50	100	30
M303C2	2	N	N	20	1,500	50	50	N	<50	50	30
M304C2	<2	N	N	50	700	15	70	N	<50	30	<20
M305C2	<2	N	N	70	5,000	150	50	N	<50	70	30
M306C2	2	N	N	50	700	150	500	N	100	100	30
M309C2	3	50	N	50	500	20	200	N	<50	50	20
M310C2	<2	N	N	50	1,000	500	100	N	N	100	1,000
M311C2	10	50	N	30	>10,000	30	100	N	50	100	200
M312C2	<2	N	N	50	200	500	100	N	N	70	150
M313C2	2	N	N	50	1,500	70	<50	N	N	200	70
M314C2	<2	N	N	30	1,000	100	200	N	N	150	150
M315C2	<2	N	N	30	1,000	50	<50	N	N	100	20
M316C2	<2	N	N	50	1,000	70	70	N	70	70	30
M317C2	N	N	N	50	300	20	50	N	N	50	50
M318C2	<2	N	N	50	500	10	N	N	N	50	30
M319C2	<2	N	N	70	1,000	10	<50	N	N	200	<20
M320C2	<2	N	N	70	1,000	10	50	N	N	150	<20
						<10	<50	N	50	150	<20

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfish quadrangle, Alaska--continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-U	S-Y	S-ZN	S-ZR	S-TH
M249C2	N	20	N	<200	200	N	20	1,500	50	N
M250C2	N	50	N	200	300	N	70	<500	70	N
M256C2	N	70	N	300	500	N	100	<500	300	N
M256C2	N	50	N	300	300	N	70	<500	300	N
M257C2	N	50	N	300	300	N	70	<500	300	N
M258C2	N	50	N	300	500	N	70	<500	300	N
M259C2	N	70	N	300	300	N	100	<500	300	N
M262C2	N	70	N	300	300	N	150	500	150	N
M263C2	N	70	N	200	300	N	100	<500	150	N
M264C2	N	100	N	200	200	N	200	<500	200	N
M266C2	N	100	N	200	500	N	50	<500	200	N
M268C2	N	50	N	200	300	N	100	700	200	N
M269C2	N	30	N	200	200	N	100	700	300	N
M270C2	N	70	N	500	500	N	70	<500	300	N
M271C2	N	70	N	200	500	N	50	<500	150	N
M272C2	N	70	N	200	500	N	500	500	700	N
M273C2	N	70	N	200	300	N	1,000	500	700	N
M274C2	N	50	N	200	300	N	500	<500	700	N
M278C2	N	50	N	300	500	N	150	<500	500	N
M279C2	N	100	N	200	500	N	70	<500	300	N
M280C2	N	100	N	300	500	N	70	<500	300	N
M281C2	N	70	N	300	300	N	50	<500	50	N
M285C2	N	70	N	200	300	N	70	<500	200	N
M293C2	N	50	N	200	300	N	100	500	500	N
M294C2	N	50	N	1,000	500	N	50	<500	300	N
M295C2	N	30	N	200	300	N	70	700	200	N
M296C2	N	30	N	300	500	N	50	700	200	N
M303C2	N	100	N	300	500	N	50	<500	100	N
M302C2	N	70	N	500	500	N	50	<500	150	N
M303C2	N	70	N	300	300	N	50	<500	300	N
M304C2	N	100	N	300	500	300	100	<500	500	N
M305C2	N	100	N	200	500	<100	100	N	>1,000	N
M306C2	N	100	N	200	300	N	70	<500	300	N
M309C2	200	15	200	<200	100	N	70	7,000	70	N
M310C2	N	50	N	<200	300	N	50	<500	150	N
M311C2	N	30	100	200	150	N	50	500	100	N
M312C2	N	70	N	N	300	N	30	500	30	N
M313C2	N	50	N	<200	150	<100	50	N	50	N
M314C2	N	50	N	200	300	N	30	N	70	N
M315C2	N	50	N	N	300	N	30	<500	150	N
M316C2	N	50	N	<200	200	N	50	N	100	N
M317C2	N	70	N	200	500	N	50	N	200	N
M318C2	N	30	N	N	200	N	20	N	70	N
M319C2	N	30	N	N	200	N	20	N	50	N
M320C2	N	30	N	N	300	N	30	N	150	N

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M321C2	63 44 20	155 17 49	10	10.00	1.0	1.00	1,500	N	N	N	<20	100
M322C2	63 43 41	155 14 57	15	2.00	1.0	>2.00	2,000	N	N	N	200	500
M323C2	63 46 23	155 12 51	15	15.00	1.5	1.50	2,000	N	N	N	<20	150
M325C2	63 48 49	155 11 39	20	.70	.1	>2.00	1,500	N	N	N	20	300
M326C2	63 47 0	155 15 52	10	15.00	2.0	.50	1,500	N	N	N	<20	100
M327C2	63 41 32	155 0 41	30	.70	.5	.20	>10,000	N	N	N	70	200
M328C2	63 39 25	155 5 44	10	10.00	2.0	1.00	3,000	N	N	N	200	200
M329C2	63 42 23	155 5 37	15	2.00	3.0	>2.00	1,000	<1.0	N	N	200	1,000
M331C2	63 42 33	155 9 42	20	3.00	.7	.70	5,000	N	N	N	700	700
M338C2	63 32 32	153 14 9	15	.50	.3	1.50	2,000	N	N	N	>5,000	150
M339C2	63 33 29	153 13 53	15	.50	1.0	1.50	3,000	N	N	N	>5,000	200
M340C2	63 34 40	153 12 17	20	1.00	1.0	>2.00	7,000	N	N	N	>5,000	300
M341C2	63 36 17	153 6 59	5	1.50	2.0	1.50	3,000	N	N	N	200	150
M342C2	63 36 5	153 7 4	15	3.00	3.0	2.00	5,000	N	N	N	500	300
M343C2	63 39 13	153 7 22	10	7.00	5.0	2.00	5,000	N	N	N	300	200
M344C2	63 42 25	153 6 30	10	7.00	2.0	>2.00	3,000	N	N	N	>5,000	200
M345C2	63 31 41	153 2 2	10	10.00	5.0	2.00	5,000	N	N	N	200	150
M346C2	63 31 1	153 3 31	10	5.00	3.0	>2.00	3,000	N	N	N	300	150
M347C2	63 30 8	153 6 47	15	3.00	3.0	2.00	3,000	N	N	N	3,000	500
M348C2	63 28 20	153 8 11	10	7.00	2.0	>2.00	10,000	N	N	N	>5,000	500
M349C2	63 29 32	153 13 42	15	1.00	.3	>2.00	10,000	N	N	N	>5,000	150
M350C2	63 21 34	154 47 14	20	10.00	5.0	2.00	5,000	N	N	N	>5,000	500
M351C2	63 23 2	154 51 53	20	1.50	1.0	1.50	7,000	N	2,000	N	3,000	300
M352C2	63 23 0	154 52 15	30	1.00	2.0	.30	>10,000	N	N	N	100	500
M353C2	63 26 39	154 57 42	20	1.50	1.5	.70	>10,000	N	N	N	50	500
M354C2	63 25 13	154 57 50	10	.70	2.0	.70	>10,000	N	N	N	150	200
M355C2	63 25 55	155 3 24	20	.50	1.0	.20	>10,000	N	N	N	150	500
M356C2	63 25 13	155 8 53	20	.70	.3	.20	10,000	N	1,000	N	700	500
M357C2	63 30 12	154 48 15	7	1.50	3.0	.50	>10,000	N	N	N	1,000	300
M359C2	63 34 34	154 49 57	10	3.00	3.0	.30	>10,000	N	N	N	2,000	500
M360C2	63 32 51	154 58 31	20	1.50	2.0	.30	>10,000	N	N	N	100	500
M364C2	63 47 49	153 35 42	50	1.50	2.0	.30	2,000	N	N	N	50	150
M365C2	63 47 26	153 33 33	50	1.00	1.0	.50	2,000	N	N	N	70	300
M366C2	63 47 43	153 31 23	20	1.50	1.0	1.00	2,000	N	N	N	100	700
M367C2	63 50 29	153 34 31	20	10.00	5.0	.30	10,000	N	N	N	50	300
M368C2	63 50 26	153 33 49	30	3.00	10.0	.50	>10,000	N	N	N	50	500
M369C2	63 52 27	153 36 0	50	2.00	3.0	2.00	2,000	1.5	N	N	30	300
M370C2	63 56 36	153 40 1	20	7.00	7.0	1.50	3,000	N	N	N	50	500
M371C2	63 56 52	153 39 42	50	1.00	1.0	.15	1,500	N	N	N	<20	200
M372C2	63 58 20	153 31 25	15	1.50	5.0	2.00	2,000	N	N	N	500	300
M373C2	63 59 18	153 36 7	20	5.00	10.0	2.00	5,000	N	N	N	200	300
M374C2	63 59 46	153 40 4	20	2.00	.5	1.00	2,000	N	N	N	300	300
M375C2	63 45 57	153 55 12	10	10.00	10.0	.50	2,000	N	N	N	500	150
M376C2	63 51 34	153 48 5	50	1.50	1.5	.15	1,000	<1.0	N	N	50	500
M377C2	63 51 40	153 47 23	20	5.00	3.0	.30	1,500	<1.0	N	N	<20	200

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Wadfra quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CR	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M321C2	<2	N	N	70	1,000	10	N	N	<50	200	N
M322C2	<2	N	N	50	700	10	70	N	50	70	100
M323C2	N	N	N	100	1,500	10	<50	N	N	300	<20
M325C2	N	N	N	50	150	<10	50	N	100	20	70
M326C2	<2	N	N	100	700	<10	50	N	N	100	N
M327C2	2	N	N	50	200	20	200	N	N	50	50
M328C2	<2	N	N	50	1,500	15	150	N	<50	50	<20
M329C2	2	N	N	50	7,000	50	150	N	50	100	50
M331C2	<2	N	N	30	7,000	20	100	N	N	100	30
M338C2	20	<20	N	N	150	20	>2,000	N	100	<10	100
M339C2	20	30	N	10	150	50	>2,000	N	200	10	150
M340C2	10	N	<50	20	700	70	>2,000	N	200	30	200
M341C2	2	N	N	20	1,000	<10	500	N	<50	50	20
M342C2	3	N	N	50	2,000	50	1,000	N	50	100	30
M343C2	<2	N	N	50	1,500	15	700	N	50	100	50
M344C2	5	N	N	50	1,000	20	500	N	70	70	300
M345C2	<2	N	N	50	1,500	20	700	N	<50	150	30
M346C2	<2	N	N	50	1,000	20	500	N	70	100	30
M347C2	N	N	N	50	700	50	>2,000	N	<50	150	50
M348C2	<2	N	N	50	1,000	20	500	N	50	100	30
M349C2	<2	N	N	15	150	10	1,500	N	200	15	50
M350C2	<2	N	N	70	3,000	50	150	N	50	150	30
M351C2	3	N	N	70	7,000	200	70	N	N	200	70
M352C2	2	N	N	30	1,500	100	70	N	N	150	20
M353C2	3	N	N	30	300	150	50	N	N	150	50
M354C2	<2	N	N	20	2,000	30	500	N	<50	70	20
M355C2	7	N	N	50	700	150	200	N	N	150	50
M356C2	2	N	N	50	10,000	50	300	N	N	500	500
M357C2	<2	<20	N	15	1,000	30	2,000	N	<50	70	70
M359C2	<2	<20	N	10	300	20	2,000	N	<50	50	100
M360C2	2	N	N	30	500	150	2,000	N	<50	150	50
M364C2	7	N	N	100	500	500	50	100	N	500	300
M365C2	5	N	N	70	1,500	100	150	30	N	200	70
M366C2	5	N	N	50	10,000	50	50	N	N	150	100
M367C2	<2	N	N	30	1,000	20	70	N	N	50	20
M368C2	20	N	N	30	700	100	200	30	N	150	500
M369C2	2	N	N	50	300	150	50	50	<50	200	100
M370C2	3	N	N	50	1,000	50	50	N	N	150	50
M371C2	5	N	N	30	15,000	100	70	20	N	200	300
M372C2	2	N	N	50	150	70	50	N	<50	100	70
M373C2	<2	N	N	50	200	20	50	N	<50	70	20
M374C2	3	N	N	70	200	50	200	N	<50	150	100
M375C2	<2	N	N	70	2,000	20	50	N	N	200	20
M376C2	2	N	N	70	1,000	200	50	70	N	200	150
M377C2	<2	N	N	70	500	150	50	70	N	200	100

Table 7.--*Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Pedro quadrangle, Alaska--continued*

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-1N
M321C2	N	30	N	N	150	N	20	N	100	N
M322C2	N	70	N	<200	1,000	N	70	N	1,000	N
M323C2	N	50	N	N	300	N	20	N	70	N
M325C2	N	50	N	N	1,000	N	100	N	>2,000	N
M326C2	N	50	N	N	200	N	20	N	20	N
M327C2	N	15	N	<200	100	N	50	N	70	N
M328C2	N	70	N	<200	200	N	70	N	200	N
M329C2	N	30	N	700	300	N	50	700	150	N
M331C2	N	30	100	<200	150	N	50	N	700	N
M338C2	N	30	100	N	70	N	700	N	1,000	<200
M339C2	N	30	150	N	100	N	500	N	1,500	1,000
M340C2	N	30	150	N	150	N	700	N	1,500	700
M341C2	N	30	N	200	150	N	70	N	70	N
M342C2	N	30	N	300	300	N	100	N	70	N
M343C2	N	50	N	300	200	N	100	N	100	N
M344C2	N	50	500	200	200	N	70	N	500	N
M345C2	N	70	N	300	300	N	200	N	700	N
M346C2	N	50	N	200	200	N	150	N	200	N
M347C2	N	30	70	N	200	N	700	N	500	700
M348C2	N	50	N	200	200	N	100	N	500	N
M349C2	N	30	100	N	100	N	500	N	1,500	N
M350C2	N	70	N	<200	500	N	70	N	300	N
M351C2	N	30	500	N	300	<100	50	1,000	50	N
M352C2	N	50	N	N	300	N	500	500	70	N
M353C2	N	30	N	N	200	N	200	500	50	N
M354C2	N	50	N	N	300	N	200	N	100	N
M355C2	N	30	N	<200	200	N	150	700	70	N
M356C2	N	50	N	N	150	N	200	700	70	N
M357C2	N	30	N	<200	200	200	300	N	200	1,000
M359C2	N	70	N	<200	200	N	500	N	200	700
M360C2	N	70	N	N	300	N	500	N	200	N
M364C2	N	30	N	<200	500	N	70	700	70	N
M365C2	N	30	N	200	300	N	100	700	300	N
M366C2	N	50	N	<200	300	N	150	N	500	N
M367C2	N	70	N	<200	200	N	100	N	70	N
M368C2	N	50	N	<200	300	N	300	1,500	700	N
M369C2	N	70	N	N	700	N	70	1,000	70	N
M370C2	N	100	N	300	500	N	100	N	200	N
M371C2	N	20	N	N	150	N	30	3,000	50	N
M372C2	N	30	>2,000	500	500	N	100	N	>2,000	N
M373C2	N	30	N	1,000	500	N	30	N	150	N
M374C2	N	50	N	<200	200	N	100	<500	300	N
M375C2	N	150	N	<200	500	N	70	N	70	N
M376C2	N	30	N	<200	500	N	20	1,500	50	N
M377C2	N	70	N	N	500	N	30	1,000	50	N

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Selfin quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M378C2	63 52 43	153 45 44	30	1.00	1.5	.20	1,000	N	N	N	<20	150
M379C2	63 54 42	153 47 50	20	7.00	7.0	2.00	3,000	N	N	N	100	500
M380C2	63 55 19	153 47 16	30	1.00	.7	2.00	1,500	N	N	N	100	700
M381C2	63 56 24	153 50 53	20	5.00	2.0	1.50	1,000	N	N	N	200	500
M382C2	63 59 26	153 50 1	30	2.00	2.0	.50	1,500	N	N	N	100	700
M383C2	63 51 52	153 52 15	10	10.00	10.0	.50	1,500	N	N	N	<20	100
M384C2	63 50 39	153 53 12	7	10.00	10.0	.20	2,000	N	N	N	50	300
M385C2	63 47 52	153 58 9	10	10.00	10.0	.70	2,000	N	N	N	70	150
M386C2	63 45 50	154 30 17	30	1.00	1.0	2.00	2,000	N	N	N	150	300
M387C2	63 47 17	154 36 22	20	1.50	1.5	>2.00	3,000	N	N	N	50	150
M388C2	63 47 37	154 35 40	30	1.00	1.5	>2.00	5,000	N	N	N	150	300
M389C2	63 48 44	154 31 7	30	1.00	1.5	2.00	2,000	<1.0	N	N	150	150
M390C2	63 50 23	154 33 35	20	2.00	1.5	>2.00	2,000	2.0	N	N	150	200
M391C2	63 49 26	154 38 8	20	1.00	1.5	>2.00	5,000	N	N	N	150	150
M392C2	63 49 20	154 42 56	20	1.00	2.0	>2.00	10,000	N	N	N	20	150
M393C2	63 51 21	154 45 24	30	1.50	2.0	>2.00	7,000	N	N	N	200	150
M394C2	63 54 8	154 42 42	10	1.50	5.0	2.00	2,000	N	N	N	1,000	200
M395C2	63 54 49	154 35 20	10	1.00	2.0	2.00	2,000	<1.0	N	N	700	300
M396C2	63 54 51	154 36 2	15	1.00	3.0	2.00	1,500	N	N	N	1,500	300
M397C2	63 56 21	154 28 31	20	3.00	3.0	2.00	2,000	N	N	N	200	500
M398C2	63 58 44	154 32 41	7	3.00	2.0	2.00	5,000	N	N	N	300	2,000
M399C2	63 48 47	154 51 2	10	5.00	5.0	2.00	2,000	N	N	N	200	500
M400C2	63 51 35	155 48 31	20	1.00	.3	.20	1,000	N	N	N	100	>10,000
M401C2	63 58 5	155 34 58	20	.07	.2	.10	150	<1.0	N	N	<20	2,000
M402C2	63 59 42	155 32 31	5	2.00	5.0	.30	1,500	N	N	N	150	3,000
M416C2	63 49 49	155 18 38	15	15.00	2.0	>2.00	2,000	N	N	N	<20	500
M417C2	63 50 5	155 18 15	7	10.00	5.0	1.00	2,000	N	N	N	<20	100
M418C2	63 49 56	155 15 16	7	10.00	2.0	.50	2,000	N	N	N	N	50
M419C2	63 52 29	155 25 6	10	7.00	7.0	>2.00	2,000	N	N	N	70	700
M420C2	63 52 29	155 24 34	7	5.00	5.0	2.00	1,500	N	N	N	50	300
M421C2	63 54 34	155 22 18	5	1.00	5.0	1.00	1,500	N	N	N	100	1,000
M422C2	63 56 10	155 24 58	3	10.00	7.0	.30	5,000	N	N	N	<20	500
M423C2	63 46 5	155 21 47	10	15.00	7.0	2.00	1,500	N	N	N	<20	150
M426C2	63 58 44	155 21 56	10	5.00	5.0	2.00	2,000	1.0	N	N	50	10,000
M427C2	63 56 52	155 33 17	10	1.50	1.5	1.00	2,000	N	N	N	50	>10,000
M428C2	63 56 43	155 31 39	15	5.00	1.5	.50	5,000	N	N	N	50	7,000
M429C2	63 54 12	155 36 37	10	10.00	7.0	1.50	1,500	1.5	N	N	3,000	300
M430C2	63 54 0	155 35 46	10	1.50	1.5	2.00	2,000	N	N	N	30	10,000
M432C2	63 51 46	155 31 12	7	2.00	3.0	>2.00	1,500	N	N	N	70	3,000
M433C2	63 51 5	155 30 38	7	2.00	5.0	1.50	1,500	N	N	N	700	2,000
M435C2	63 45 23	155 47 58	10	7.00	10.0	2.00	2,000	N	N	N	50	500
M436C2	63 48 31	155 45 19	10	10.00	10.0	.30	2,000	N	N	N	20	5,000
M437C2	63 48 25	155 37 45	10	7.00	7.0	1.50	2,000	1.0	N	N	100	10,000
M438C2	63 49 28	155 28 30	20	1.50	1.0	>2.00	700	N	N	N	1,500	1,000
M439C2	63 12 18	155 45 17	20	10.00	5.0	1.50	1,000	<1.0	N	N	5,000	1,000

Table 7.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfin quadrangle, Alaska--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M378C2	5	N	N	50	1,000	100	50	30	N	200	100
M379C2	5	N	N	100	1,000	50	70	N	<50	200	70
M380C2	15	N	N	200	200	150	500	N	70	300	200
M381C2	3	N	N	50	700	30	100	N	<50	150	50
M382C2	2	N	N	150	700	150	150	N	<50	200	100
M383C2	<2	N	N	50	2,000	<10	<50	N	N	300	20
M384C2	<2	N	N	50	1,500	10	<50	N	N	200	20
M385C2	<2	N	N	50	1,500	15	70	N	N	200	20
M395C2	2	N	N	100	200	150	100	N	<50	200	70
M387C2	<2	N	N	30	150	10	70	N	50	50	20
M388C2	N	N	N	30	150	10	50	N	70	70	30
M389C2	<2	N	N	50	100	15	150	N	50	100	30
M390C2	<2	N	N	30	200	20	50	N	50	70	30
M391C2	<2	N	N	50	150	<10	50	N	70	50	30
M392C2	N	N	N	30	2,000	<10	<50	N	50	50	20
M393C2	N	N	N	50	150	10	70	N	50	30	30
M394C2	<2	N	N	20	300	<10	100	N	<50	70	70
M395C2	2	N	N	30	200	50	100	N	50	70	30
M396C2	<2	N	N	50	300	20	300	N	50	70	50
M397C2	<2	N	N	70	700	150	100	N	<50	150	50
M398C2	<2	N	N	30	3,000	<10	300	N	150	70	50
M399C2	<2	N	N	50	700	15	70	N	50	100	20
M405C2	5	N	N	30	200	150	70	15	N	100	50
M413C2	7	N	N	300	30	200	N	N	N	1,500	20
M415C2	<2	N	N	30	100	50	<50	N	N	70	20
M416C2	<2	N	N	100	2,000	100	50	N	50	200	50
M417C2	<2	N	N	50	1,000	20	50	N	N	150	20
M418C2	<2	N	N	70	1,000	10	<50	N	N	200	<20
M419C2	<2	N	N	50	1,000	10	300	N	<50	100	50
M420C2	2	N	N	50	700	20	500	N	50	70	30
M421C2	2	N	N	20	150	10	70	N	N	30	20
M422C2	<2	N	N	30	3,000	50	50	N	N	100	<20
M423C2	N	N	N	70	1,500	15	50	N	<50	200	<20
M426C2	<2	N	N	50	2,000	70	70	N	N	100	50
M427C2	2	N	N	30	200	70	50	N	<50	70	50
M428C2	<2	N	N	50	200	50	70	N	N	70	30
M429C2	<2	N	N	50	700	10	<50	N	N	70	<20
M430C2	2	N	N	30	3,000	100	<50	N	N	70	30
M432C2	<2	N	N	30	1,000	15	<50	N	<50	70	30
M433C2	<2	N	N	30	700	20	70	N	N	70	20
M435C2	<2	N	N	50	1,000	15	100	N	150	100	20
M436C2	<2	N	N	50	3,000	20	50	N	N	150	20
M437C2	<2	N	N	50	1,500	70	50	N	N	150	30
M438C2	3	N	N	30	5,000	1,000	500	10	70	50	30
M439C2	<2	N	N	50	7,000	20	700	N	<50	100	700

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfro quadrangle, Alaska--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M378C2	N	30	N	N	200	N	30	1,000	50	N
M379C2	N	100	N	200	500	N	100	<500	300	N
M380C2	N	30	N	<200	200	N	500	500	500	N
M381C2	N	50	N	300	200	N	200	<500	200	N
M382C2	N	50	N	<200	150	N	150	500	100	N
M383C2	N	150	N	<200	700	N	50	N	50	N
M384C2	N	150	N	<200	500	N	30	N	30	N
M385C2	N	100	N	N	500	N	50	N	50	N
M386C2	N	50	N	200	300	N	70	<500	150	N
M387C2	N	30	N	<200	300	N	50	<500	100	N
M388C2	N	50	N	200	500	N	50	N	100	N
M389C2	N	30	N	300	300	N	50	N	200	N
M390C2	N	50	N	200	300	N	30	N	150	N
M391C2	N	50	N	300	300	N	70	N	100	N
M392C2	N	50	N	200	300	N	150	N	70	N
M393C2	N	70	N	200	200	N	150	N	500	N
M394C2	N	70	N	1,000	300	N	100	N	200	N
M395C2	N	30	N	300	200	N	70	N	300	N
M396C2	N	50	N	500	300	N	200	N	300	N
M397C2	N	50	N	300	300	N	70	N	1,000	N
M398C2	N	50	N	500	500	N	150	N	2,000	N
M399C2	N	50	N	500	300	N	70	N	300	N
M405C2	N	20	N	200	300	N	30	500	150	N
M413C2	N	10	N	N	100	N	30	2,000	20	N
M415C2	N	50	N	N	500	N	70	N	30	N
M416C2	N	150	N	200	1,000	N	100	N	200	N
M417C2	N	100	N	N	500	N	50	N	150	N
M418C2	N	70	N	N	300	N	30	N	70	N
M419C2	N	150	N	700	1,000	N	200	N	300	N
M420C2	N	70	50	200	300	N	100	N	500	N
M421C2	N	50	N	1,000	200	N	50	N	700	N
M422C2	N	150	N	<200	300	N	20	N	20	N
M423C2	N	100	N	<200	500	N	30	N	70	N
M426C2	N	70	N	500	300	N	70	N	300	N
M427C2	N	30	N	500	200	N	70	N	2,000	N
M428C2	N	30	N	<200	150	N	50	N	200	N
M429C2	N	150	N	<200	700	N	70	N	70	N
M430C2	N	50	N	<200	150	N	20	N	50	N
M432C2	N	50	N	300	500	N	30	<500	500	N
M433C2	N	70	N	1,500	500	N	50	N	150	N
M435C2	N	70	N	<200	500	N	70	N	300	N
M436C2	N	150	N	<200	500	N	30	N	50	N
M437C2	N	50	N	700	500	N	30	N	50	N
M438C2	N	50	N	<200	300	N	200	N	>2,000	<200
M439C2	200	100	700	<200	500	N	100	N	>2,000	N

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Melfia quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
MC40C2	63 13 52	155 50 47	7	10,00	7.0	1.00	2,000	1.0	N	N	>5,000	200
MC41C2	63 15 42	155 51 1	10	10,00	5.0	1.50	1,500	N	N	N	1,000	300
MC42C2	63 16 47	155 55 22	7	10.00	7.0	.30	1,500	N	N	N	5,000	200
MC43C2	63 16 59	155 54 51	5	10,00	7.0	.50	1,500	N	N	N	700	150
MC44C2	63 10 21	155 51 33	5	10.00	10.0	.30	1,500	N	N	N	500	300
MC45C2	63 64 24	155 24 54	7	7.00	5.0	1.50	1,000	N	N	N	20	500
MC46C2	63 45 17	155 27 5	10	10.00	7.0	>2.00	1,500	N	N	N	500	500
MC47C2	63 48 15	155 31 20	30	1.00	1.0	2.00	1,500	N	N	N	500	5,000
MC50C2	63 46 49	155 38 32	10	7.00	10.0	.50	1,500	N	N	N	150	200
MC51C2	63 46 13	155 35 21	7	2.00	3.0	2.00	2,000	N	N	N	500	5,000
MC52C2	63 44 56	155 28 51	15	1.50	1.5	>2.00	1,500	7.0	1,000	N	1,500	1,500
MC53C2	63 43 27	155 31 44	20	1.50	.7	>2.00	2,000	N	500	N	3,000	1,000
MC54C2	63 41 26	155 30 8	7	2.00	2.0	>2.00	2,000	N	N	N	700	1,500
MC55C2	63 40 42	155 35 34	10	1.00	.5	.70	5,000	N	<500	N	500	>10,000
MC56C2	63 40 30	155 46 5	10	10.00	10.0	.70	2,000	N	N	N	200	300
MC57C2	63 40 15	155 47 0	7	10.00	10.0	.50	2,000	N	N	N	150	200
MC58C2	63 44 10	155 52 5	7	7.00	10.0	.50	1,000	N	N	N	50	2,000
MC59C2	63 42 18	155 51 33	10	3.00	5.0	.70	1,000	N	<500	N	50	150
MC60C2	63 40 38	155 50 1	10	1.50	2.0	.30	1,500	N	N	N	70	200
MC61C2	63 35 36	155 56 36	5	2.00	5.0	1.50	1,500	N	N	N	700	>10,000
MC64C2	63 33 18	155 46 3	10	10.00	10.0	.50	3,000	N	N	N	500	500
MC65C2	63 33 30	155 46 31	7	15,00	15.0	.20	2,000	N	N	N	100	150
MC66C2	63 31 19	155 45 17	30	.70	.7	.50	2,000	<1.0	1,000	N	>5,000	500
MC67C2	63 31 50	155 39 34	20	1.50	.3	.50	1,500	1.0	500	N	>5,000	500
MC68C2	63 55 38	154 39 50	10	5.00	7.0	>2.00	2,000	N	N	N	700	700
MC69C2	63 57 58	154 41 28	10	5,00	10.0	.50	1,500	N	N	N	20	300
MC70C2	63 57 58	154 48 46	15	10.00	5.0	.50	2,000	N	N	N	<20	100
MC71C2	63 57 16	154 53 39	15	15.00	3.0	1.00	2,000	N	N	N	<20	70
MC72C2	63 57 35	154 53 20	5	10.00	5.0	.50	1,500	N	N	N	<20	70
MC73C2	63 56 36	154 52 1	10	15.00	10.0	1.00	2,000	N	N	N	<20	150
MC74C2	63 53 33	154 56 29	20	10.00	1.0	1.00	2,000	N	N	N	<20	100
MC75C2	63 51 0	154 18 24	15	7.00	5.0	.50	3,000	N	N	N	500	300
MC76C2	63 50 56	154 18 1	7	7.00	5.0	.20	2,000	N	N	N	500	300
MC77C2	63 44 33	154 16 44	10	2.00	3.0	1.00	1,500	N	N	N	500	150
MC80C2	63 40 20	153 52 35	20	7.00	5.0	1.00	2,000	N	N	N	150	300
MC81C2	63 50 34	153 50 44	10	10.00	5.0	.50	2,000	N	N	N	200	50
MC82C2	63 35 1	153 53 48	10	5.00	10.0	2.00	2,000	N	N	N	200	500
MC83C2	63 33 50	153 45 20	10	7.00	2.0	2.00	5,000	N	N	N	100	2,000
MC84C2	63 7 43	154 53 40	10	10.00	10.0	2.00	3,000	N	N	N	200	3,000
MC85C2	63 22 23	155 10 3	10	7.00	1.0	.70	3,000	N	N	N	>5,000	200
MC86C2	63 20 45	155 11 42	10	7.00	7.0	1.00	10,000	N	N	N	>5,000	300
MC87C2	63 24 15	155 16 51	10	2.00	.7	1.50	2,000	N	N	N	>5,000	100
MC88C2	63 23 32	155 32 3	10	10.00	10.0	.70	2,000	N	N	N	500	150
MC89C2	63 31 51	155 30 47	15	1.50	1.5	1.50	7,000	N	N	N	150	500
MC90C2	63 31 40	155 27 11	30	1.00	1.0	.50	10,000	N	N	N	150	10,000

Table 1.--Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Wolfe quadrangle, Alaska---continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MC40C2	<2	<20	N	30	5,000	10	200	N	N	100	500
MC41C2	<2	N	N	50	3,000	20	500	N	<50	100	20
MC42C2	<2	N	N	50	10,000	10	50	N	N	100	<20
MC43C2	<2	N	N	30	3,000	10	70	N	N	150	<20
MC44C2	<2	N	N	30	3,000	10	<50	N	N	100	<20
MC45C2	<2	N	N	30	1,500	15	<50	N	<50	70	20
MC46C2	N	N	N	50	5,000	10	50	N	<50	100	70
MC47C2	10	N	N	50	10,000	70	700	20	50	100	150
MC50C2	<2	N	N	50	5,000	20	50	N	N	100	20
MC51C2	<2	N	N	70	2,000	100	50	N	<50	100	30
MC52C2	2	N	N	100	>10,000	150	100	20	50	300	150
MC53C2	3	N	N	100	>10,000	100	50	N	50	200	70
MC54C2	7	N	N	20	2,000	<10	N	N	<50	30	70
MC55C2	<2	N	N	70	5,000	30	70	N	<50	150	50
MC56C2	2	N	N	50	3,000	15	50	N	N	100	20
MC57C2	<2	N	N	50	1,500	15	50	N	N	100	<20
MC58C2	2	N	N	30	2,000	10	50	N	N	100	20
MC59C2	<2	N	N	50	>10,000	15	<50	N	N	150	20
MC60C2	<2	N	N	30	2,000	20	50	N	N	30	30
MC61C2	2	N	N	30	1,000	50	500	N	N	70	30
MC66C2	2	N	N	50	1,000	30	150	N	N	100	20
MC65C2	<2	N	N	50	2,000	10	70	N	N	150	N
MC66C2	10	20	N	70	2,000	300	1,000	N	<50	200	150
MC67C2	10	50	N	50	3,000	300	2,000	N	<50	150	700
MC68C2	<2	N	N	50	1,500	20	150	N	100	30	100
MC69C2	<2	N	N	50	700	15	70	N	N	100	50
MC70C2	<2	N	N	70	2,000	15	<50	N	N	700	20
MC71C2	<2	N	N	100	3,000	10	<50	N	<50	700	20
MC72C2	<2	N	N	50	1,500	<10	<50	N	<50	150	20
MC73C2	<2	N	N	70	3,000	<10	<50	N	N	200	20
MC74C2	3	N	N	100	2,000	20	50	N	<50	300	20
MC75C2	2	N	N	50	1,500	50	2,000	N	N	70	50
MC76C2	2	N	N	30	1,500	10	500	N	N	100	20
MC77C2	<2	N	N	30	300	10	300	N	N	50	50
MC80C2	2	N	N	50	2,000	70	100	15	50	200	70
MC81C2	<2	N	N	70	1,500	10	50	N	N	200	<20
MC82C2	<2	N	N	70	700	20	70	N	<50	100	50
MC83C2	<2	N	N	50	2,000	15	150	N	<50	70	20
MC84C2	5	N	N	30	1,000	<10	2,000	N	<50	<10	50
MC85C2	7	20	N	20	3,000	20	>2,000	N	N	70	20
MC86C2	5	N	N	20	2,000	15	150	N	<50	70	20
MC87C2	7	N	N	30	2,000	30	>2,000	N	<50	70	20
MC88C2	<2	N	N	50	5,000	15	300	N	<50	150	<20
MC89C2	3	N	N	30	1,000	30	70	N	<50	70	50
MC90C2	3	N	N	30	1,500	20	150	N	N	50	50

Table 7.—*Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfield quadrangle, Alaska*—continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M440C2	N	70	700	<200	700	N	50	N	100	N
M441C2	N	100	N	N	500	N	150	N	50	N
M442C2	N	100	N	<200	1,000	N	30	N	50	N
M443C2	N	100	N	N	700	N	50	N	30	N
M444C2	N	100	N	<200	1,000	N	20	N	30	N
M445C2	N	100	1,000	<200	500	N	70	N	2,000	N
M446C2	N	150	N	<200	1,000	N	100	N	500	N
M447C2	N	30	N	<200	300	<100	200	700	500	N
M450C2	N	100	N	700	500	<100	50	N	50	N
M451C2	N	50	N	200	1,500	N	50	N	30	N
M452C2	N	50	N	<200	300	<100	200	N	1,000	N
M453C2	N	50	N	200	500	<100	70	N	2,000	N
M454C2	N	70	100	<200	300	N	150	N	1,500	N
M455C2	N	20	50	500	100	<100	100	N	>2,000	N
M456C2	N	100	N	200	700	N	50	N	50	N
M457C2	N	100	N	200	500	N	30	N	30	N
M458C2	N	100	N	200	500	N	30	N	500	N
M459C2	N	70	N	200	1,000	<100	30	N	30	N
M460C2	N	70	N	700	300	N	50	N	70	N
M461C2	1,000	30	N	1,000	200	N	150	N	>2,000	N
M464C2	N	100	N	300	700	N	100	N	1,000	N
M465C2	N	150	N	<200	700	N	50	N	50	N
M466C2	N	20	>2,000	<200	150	200	300	5,000	50	N
M467C2	N	20	>2,000	200	200	300	200	1,500	200	N
M468C2	N	70	100	500	500	N	150	N	700	N
M469C2	N	50	N	1,500	700	N	30	N	70	N
M470C2	N	100	N	<200	500	N	30	N	500	N
M471C2	N	70	N	N	500	N	20	N	300	N
M472C2	N	70	50	N	300	N	70	N	500	N
M473C2	N	100	N	<200	700	N	100	N	200	N
M474C2	N	50	N	<200	500	N	20	<500	100	N
M475C2	N	70	N	200	300	N	150	N	100	<200
M476C2	N	50	100	200	300	N	70	N	100	N
M477C2	N	70	N	700	500	N	100	N	150	N
M480C2	N	70	N	<200	500	N	100	N	700	N
M481C2	N	70	N	N	500	N	50	N	150	N
M482C2	N	50	N	300	1,000	N	70	N	300	N
M483C2	N	70	300	200	300	N	100	N	>2,000	N
M484C2	N	70	1,500	300	300	N	300	N	>2,000	N
M485C2	N	30	N	<200	200	500	300	N	500	500
M486C2	N	30	N	200	200	1,000	100	N	>2,000	N
M487C2	N	30	N	N	200	<100	700	700	300	200
M488C2	N	100	N	<200	1,000	N	100	N	70	N
M489C2	N	30	1,500	<200	200	<100	70	N	2,000	N
M490C2	N	20	N	200	150	N	500	N	300	N

Table 7.—*Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska*—Continued

SAMPLE	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M492C2	63 36 21	155 2 32	7	2.00	2.0	1.50	3,000	N	N	N	5,000	500
M493C2	63 54 53	154 53 28	7	7.00	3.0	2.00	2,000	N	N	N	700	500
M494C2	63 52 34	154 53 37	20	10.00	3.0	1.50	2,000	N	N	N	<20	200
M495C2	63 51 45	154 55 51	20	15.00	7.0	>2.00	2,000	N	N	N	30	300
M500C2	63 43 7	154 57 33	15	1.00	.7	1.00	3,000	N	N	N	200	>10,000
M503C2	63 34 58	154 43 36	30	.30	1.0	.20	3,000	15.0	N	N	>5,000	700
M504C2	63 37 52	154 35 56	7	5.00	2.0	1.00	2,000	70.0	N	150	>5,000	200
M505C2	63 40 3	154 35 19	15	1.00	2.0	2.00	1,500	<1.0	N	N	200	150
M507C2	63 43 12	153 29 43	20	1.00	5.0	2.00	2,000	N	N	N	200	700
M508C2	63 44 0	153 27 59	10	2.00	10.0	1.50	1,500	N	N	N	300	100
M511C2	63 41 26	153 39 10	15	10.00	10.0	>2.00	2,000	N	N	N	300	300
M512C2	63 31 28	153 59 6	7	5.00	5.0	.50	1,500	N	N	N	200	>10,000
M513C2	63 30 38	153 56 40	7	2.00	1.0	2.00	2,000	N	N	N	100	>10,000
M514C2	63 27 15	153 51 2	15	10.00	7.0	1.00	2,000	N	N	N	500	1,500
M515C2	63 28 56	153 58 24	10	1.50	3.0	>2.00	3,000	N	N	N	150	700
M516C2	63 24 10	153 59 44	10	7.00	7.0	.30	1,500	N	N	N	500	200
M517C2	63 26 55	154 34 8	10	10.00	5.0	2.00	2,000	<1.0	N	N	500	700

Table 1.—*Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Hulfix quadrangle, Alaska*--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M492C2	N	N	N	20	1,000	10	>2,000	N	150	50	200
M493C2	<2	N	N	30	1,500	15	500	N	50	100	20
M494C2	2	N	N	70	1,000	50	200	N	<50	200	30
M495C2	<2	N	N	70	1,000	30	70	N	50	200	30
M500C2	3	N	N	50	2,000	50	70	N	<50	150	70
M503C2	10	N	N	50	700	100	100	N	N	200	200
M504C2	2	N	N	30	2,000	15	300	N	<50	70	<20
M505C2	2	N	N	100	300	150	150	N	<50	200	100
M507C2	3	N	N	50	150	150	150	20	70	100	100
M508C2	<2	N	N	20	300	15	100	N	<50	30	<20
M511C2	<2	N	N	70	1,000	50	70	N	N	200	30
M512C2	<2	N	N	30	1,000	30	150	N	N	200	30
M513C2	<2	N	N	20	150	50	150	N	<50	70	20
M514C2	<2	N	N	50	1,000	20	300	N	<50	150	30
M515C2	<2	N	N	50	200	30	100	N	50	300	30
M516C2	<2	N	N	50	1,000	20	150	N	N	200	20
M517C2	<2	N	N	50	3,000	15	150	N	<50	100	300

Table 7.—*Semiquantitative spectrographic analyses of moderately magnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska*--continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M492C2	N	20	150	300	150	300	300	N	>2,000	3,000
M493C2	N	50	200	<200	200	100	70	N	1,500	N
M494C2	N	70	N	N	500	N	500	N	500	N
M495C2	N	70	N	200	700	N	200	N	200	N
M500C2	N	15	N	300	150	N	50	N	700	N
M501C2	N	20	N	<200	100	N	70	700	70	N
M504C2	N	70	100	200	300	N	100	N	>2,000	N
M505C2	N	15	N	200	300	N	50	N	70	N
M507C2	N	30	N	200	200	N	50	500	150	N
M508C2	N	30	20	<200	300	N	50	N	200	N
M511C2	N	100	N	200	1,500	N	70	N	70	N
M512C2	N	30	N	1,500	150	N	70	N	500	N
M513C2	N	30	50	1,000	500	N	70	<500	500	N
M514C2	N	70	N	200	300	N	150	<500	100	N
M515C2	N	50	N	<200	1,000	N	100	N	200	N
M516C2	N	70	N	300	500	N	30	N	50	N
M517C2	N	70	1,000	300	500	N	30	700	2,000	N

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Nedfra quadrangle, Alaska

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
MD01C3	63 13 54	154 45 49	2.0	.20	7.0	>1.00	500	N	N	20	50	200
MD02C3	63 14 0	154 46 40	3.0	.50	3.0	>1.00	500	70.0	N	70	70	200
MD05C3	63 12 54	154 55 26	2.0	1.00	5.0	>1.00	300	N	N	N	100	500
MD06C3	63 11 0	154 50 5	2.0	1.50	5.0	>1.00	500	N	N	N	100	700
MD08C3	63 12 36	154 45 48	2.0	2.00	5.0	>1.00	500	N	N	N	200	200
MD09C3	63 14 58	154 40 45	3.0	1.50	2.0	>1.00	300	N	N	N	1,500	700
MD10C3	63 15 37	154 38 43	2.0	1.00	3.0	>1.00	300	N	N	N	150	1,000
MD11C3	63 18 13	154 32 49	2.0	3.00	10.0	.70	500	N	N	N	100	700
MD12C3	63 17 52	154 31 41	1.0	7.00	15.0	.30	300	N	N	N	20	100
MD13C3	63 18 25	154 28 52	2.0	1.50	5.0	>1.00	500	N	N	N	50	>5,000
MD14C3	63 17 15	154 28 33	2.0	5.00	20.0	.30	500	N	N	N	30	5,000
MD15C3	63 19 18	154 24 55	2.0	1.00	5.0	>1.00	300	N	N	N	50	5,000
MD16C3	63 20 23	154 20 30	5.0	1.50	7.0	>1.00	1,000	N	N	N	200	1,000
MD17C3	63 22 33	154 26 19	1.0	5.00	10.0	.30	300	N	N	N	100	500
MD18C3	63 21 5	154 28 40	7.0	7.00	10.0	.70	700	5.0	N	N	50	5,000
MD19C3	63 22 34	154 20 50	7.0	7.00	10.0	1.00	700	1.0	N	N	50	5,000
MD20C3	63 24 6	154 15 57	2.0	1.50	10.0	.50	500	N	N	N	50	>5,000
MD21C3	63 26 11	154 53 30	2.0	.50	5.0	>1.00	1,000	N	N	N	300	1,000
MD22C3	63 26 49	155 1 23	20.0	.30	5.0	1.00	1,500	7.0	1,500	N	200	1,000
MD23C3	63 27 37	155 3 56	1.5	.50	2.0	>1.00	1,000	N	N	N	150	500
MD24C3	63 28 32	155 6 16	1.5	.10	2.0	>1.00	500	N	N	N	20	500
MD25C3	63 31 50	155 9 17	5.0	.70	1.0	>1.00	700	N	N	N	500	1,000
MD26C3	63 33 53	155 3 27	5.0	1.00	1.0	>1.00	700	N	N	N	>2,000	500
MD27C3	63 32 43	155 0 30	1.5	.20	1.0	>1.00	500	N	N	N	1,000	300
MD28C3	63 32 40	154 56 39	3.0	1.50	10.0	>1.00	5,000	N	7,000	N	2,000	500
MD29C3	63 30 19	154 56 45	2.0	.50	5.0	>1.00	1,000	N	N	N	500	500
MD30C3	63 28 24	154 52 33	3.0	1.00	7.0	>1.00	2,000	N	N	N	700	100
MD31C3	63 25 8	154 52 1	10.0	1.50	.5	1.00	1,000	N	700	N	>2,000	700
MD32C3	63 28 39	154 45 45	2.0	.20	.7	1.00	300	N	N	N	200	700
MD33C3	63 27 46	154 44 35	2.0	.50	5.0	>1.00	300	N	N	N	300	1,500
MD34C3	63 27 29	154 38 14	3.0	3.00	5.0	>1.00	1,000	N	N	N	150	1,500
MD35C3	63 25 13	154 38 2	3.0	3.00	3.0	>1.00	1,000	N	N	N	>2,000	1,000
MD36C3	63 25 13	154 39 6	3.0	3.00	10.0	>1.00	1,000	N	N	N	200	1,000
MD37C3	63 26 24	154 34 37	5.0	1.00	1.0	>1.00	1,000	2.0	N	N	1,000	2,000
MD38C3	63 25 52	154 30 10	5.0	.50	10.0	>1.00	700	N	N	N	300	3,000
MD39C3	63 28 38	154 30 35	3.0	.50	.5	>1.00	500	10.0	N	N	700	1,000
MD40C3	63 30 55	154 17 49	3.0	2.00	10.0	1.00	1,000	30.0	N	50	500	2,000
MD41C3	63 27 5	154 33 24	5.0	1.00	1.0	>1.00	700	7.0	N	N	1,000	5,000
MD42C3	63 31 11	154 23 6	2.0	.20	10.0	1.00	500	N	N	N	100	700
MD43C3	63 29 37	154 38 2	5.0	2.00	1.0	>1.00	500	N	N	N	>2,000	500
MD44C3	63 30 49	154 30 9	7.0	2.00	1.0	>1.00	500	50.0	500	50	>2,000	300
MD45C3	63 31 9	154 36 18	7.0	2.00	1.5	>1.00	1,000	N	N	N	>2,000	500
MD46C3	63 32 9	154 42 4	2.0	.10	.3	>1.00	300	N	N	N	500	1,500
MD47C3	63 33 37	154 38 11	3.0	.70	7.0	>1.00	1,000	N	N	N	2,000	1,000
MD48C3	63 35 34	154 38 36	3.0	.50	5.0	1.00	300	N	N	N	>2,000	1,000

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MD01C3	<2	50	N	<10	100	200	700	70	<50	<10	700
MD02C3	<2	1,000	N	<10	50	20,000	500	50	<50	<10	150
MD05C3	<2	N	N	<10	300	200	300	N	<50	<10	50
MD06C3	<2	N	N	<10	300	150	300	N	<50	<10	30
MD08C3	<2	50	N	<10	150	700	500	N	<50	<10	50
MD09C3	<2	N	N	10	200	100	150	N	100	30	50
MD10C3	<2	N	N	<10	200	200	200	N	70	20	50
MD11C3	<2	N	N	<10	100	100	150	N	<50	30	30
MD12C3	<2	N	N	<10	70	10	50	N	<50	<10	100
MD13C3	<2	30	N	<10	100	500	100	N	<50	20	50
MD14C3	<2	70	N	<10	100	70	200	N	<50	20	30
MD15C3	<2	50	N	<10	100	70	100	N	<50	20	30
MD16C3	<2	N	N	30	100	500	150	N	<50	50	20
MD17C3	<2	20	N	<10	100	150	100	N	<50	20	20
MD18C3	<2	N	N	100	100	500	100	N	<50	200	200
MD19C3	<2	N	N	20	150	150	100	N	<50	100	200
MD20C3	<2	N	N	<10	50	30	150	N	<50	20	20
MD21C3	<2	N	N	10	200	200	300	N	<50	20	150
MD22C3	<2	N	N	50	150	150	100	N	100	200	150
MD23C3	<2	>1,000	N	10	200	200	150	N	<50	<10	50
MD24C3	<2	50	N	<10	50	70	500	N	100	<10	50
MD25C3	<2	N	N	20	500	150	300	N	50	100	50
MD26C3	<2	N	N	20	500	700	>1,000	N	50	70	70
MD27C3	<2	N	N	<10	150	150	>1,000	N	50	30	20
MD28C3	<2	20	N	70	200	150	700	N	50	50	70
MD29C3	<2	N	N	10	300	200	1,000	20	100	20	50
MD30C3	<2	N	N	10	500	200	500	N	70	50	1,000
MD31C3	3	30	N	15	300	200	100	N	<50	150	50
MD32C3	<2	N	N	<10	150	100	150	N	<50	30	20
MD33C3	<2	N	N	<10	1,000	200	200	N	<50	20	50
MD34C3	<2	N	N	20	3,000	100	200	N	<50	100	500
MD35C3	<2	30	N	20	2,000	100	150	N	<50	100	500
MD36C3	<2	N	N	20	1,500	30	200	N	<50	100	100
MD37C3	<2	N	N	10	500	100	150	N	<50	50	2,000
MD38C3	<2	N	N	10	300	150	200	N	<50	100	70
MD39C3	<2	700	N	10	200	100	50	N	70	50	70
MD40C3	<2	N	N	10	1,000	30	1,000	N	N	100	50
MD41C3	<2	70	N	10	500	200	200	N	70	50	5,000
MD42C3	<2	N	N	<10	200	50	1,000	N	N	<10	50
MD43C3	<2	50	N	10	500	200	200	N	100	50	100
MD44C3	<2	700	N	50	500	500	300	N	50	50	50
MD45C3	<2	<20	N	10	500	150	300	N	50	50	200
MD46C3	<2	<20	N	<10	100	100	100	N	150	20	100
MD47C3	<2	50	N	10	150	150	300	N	100	20	200
MD48C3	<2	N	N	<10	150	100	100	N	<50	20	20

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska--continued

Sample	S-Sb	S-Sc	S-Sn	S-Sr	S-V	S-W	S-Y	S-Zn	S-Zr	S-Th
MD01C3	N	50	150	200	100	N	1,000	N	>1,000	<200
MD02C3	N	30	200	200	100	200	500	N	>1,000	<200
MD05C3	N	70	200	200	200	N	500	N	>1,000	<200
MD06C3	N	50	150	200	200	N	300	N	>1,000	N
MD08C3	N	20	150	200	200	N	500	N	>1,000	N
MD09C3	N	20	50	200	200	<100	200	N	>1,000	N
MD10C3	N	30	70	300	200	N	200	N	>1,000	N
MD11C3	N	20	N	700	150	N	200	N	>1,000	N
MD12C3	N	<10	N	200	70	N	100	N	1,000	N
MD13C3	N	20	N	700	200	N	200	N	>1,000	N
MD14C3	N	<10	N	1,500	100	N	200	<500	1,000	N
MD15C3	N	20	N	700	300	N	100	N	>1,000	N
MD16C3	N	20	N	500	300	100	100	N	1,000	N
MD17C3	N	20	N	500	150	N	200	N	>1,000	N
MD18C3	N	20	N	500	100	N	150	N	>1,000	N
MD19C3	N	20	N	500	200	N	100	1,000	>1,000	N
MD20C3	N	50	N	1,000	100	N	200	N	1,000	N
MD21C3	N	70	>1,000	500	200	100	300	N	>1,000	N
MD22C3	N	20	20	200	150	N	150	N	300	N
MD23C3	N	70	200	200	200	100	500	N	>1,000	1,000
MD24C3	N	50	200	200	70	150	1,000	N	>1,000	1,500
MD25C3	N	50	N	700	200	N	200	N	>1,000	<200
MD26C3	N	50	50	1,500	200	500	500	N	>1,000	2,000
MD27C3	N	50	100	200	100	200	1,000	N	>1,000	1,000
MD28C3	N	50	150	1,000	200	500	300	N	>1,000	200
MD29C3	N	100	500	200	200	1,000	700	N	>1,000	1,500
MD30C3	N	50	150	500	200	150	300	N	1,000	N
MD31C3	N	30	200	200	300	<100	50	N	500	N
MD32C3	N	20	100	300	100	100	70	N	>1,000	N
MD33C3	N	50	100	1,000	200	N	500	N	>1,000	N
MD34C3	N	50	>1,000	1,500	300	N	100	N	>1,000	N
MD35C3	N	50	500	500	300	N	150	N	>1,000	N
MD36C3	N	70	100	500	300	N	150	N	>1,000	N
MD37C3	N	30	>1,000	700	200	N	100	N	>1,000	N
MD38C3	N	50	100	2,000	200	N	300	N	>1,000	N
MD39C3	N	30	150	500	200	<100	70	N	>1,000	N
MD40C3	N	50	150	1,000	200	<100	500	N	>1,000	N
MD41C3	N	30	>1,000	2,000	300	<100	70	500	>1,000	N
MD42C3	N	30	50	700	100	N	300	N	>1,000	N
MD43C3	N	70	200	500	300	<100	200	N	>1,000	N
MD44C3	N	70	150	200	300	<100	100	N	>1,000	N
MD45C3	N	70	200	500	300	<100	200	N	>1,000	N
MD46C3	N	50	50	200	70	N	150	N	>1,000	N
MD47C3	N	50	200	1,000	200	<100	200	N	>1,000	N
MD48C3	N	20	300	700	200	N	200	N	1,000	N

Table 8.—*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hagfra quadrangle, Alaska*--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M049C3	63 33 43	154 39 1	1.5	.30	7.0	>1.00	200	N	N	N	500	1,000
M050C3	63 31 58	154 26 20	3.0	5.00	5.0	>1.00	700	N	N	N	200	300
M051C3	63 34 54	154 28 22	2.0	3.00	5.0	>1.00	700	N	N	N	200	>5,000
M052C3	63 35 10	154 21 13	5.0	1.50	2.0	1.00	700	N	N	N	70	300
M053C3	63 34 5	154 29 12	3.0	3.00	5.0	>1.00	700	N	N	N	2,000	500
M054C3	63 35 14	154 16 18	3.0	1.00	15.0	1.00	700	N	N	N	100	500
M055C3	63 34 58	154 21 18	5.0	2.00	5.0	.50	700	N	N	N	150	700
M056C3	63 37 43	154 12 46	5.0	1.50	7.0	>1.00	700	N	N	N	200	>5,000
M057C3	63 37 2	154 14 32	5.0	2.00	7.0	>1.00	1,000	N	N	N	>2,000	1,500
M058C3	63 39 53	154 9 14	7.0	5.00	10.0	.70	700	N	1,000	N	200	700
M059C3	63 39 54	154 12 28	5.0	.50	5.0	>1.00	500	N	N	N	2,000	1,500
M060C3	63 40 18	154 20 1	10.0	2.00	5.0	>1.00	1,000	N	N	N	>2,000	500
M061C3	63 41 39	154 14 42	5.0	1.50	7.0	>1.00	1,000	N	N	N	>2,000	5,000
M062C3	63 40 32	154 26 34	5.0	.30	1.5	>1.00	700	N	N	N	300	>5,000
M063C3	63 39 4	154 25 43	3.0	.50	2.0	1.00	1,000	N	N	N	300	2,000
M064C3	63 43 2	154 33 19	3.0	.30	3.0	>1.00	500	N	N	N	300	1,000
M065C3	63 37 38	154 29 28	3.0	1.00	7.0	>1.00	500	15.0	N	70	>2,000	2,000
M066C3	63 42 48	154 29 50	5.0	1.00	3.0	>1.00	700	N	N	N	200	2,000
M067C3	63 5 28	154 47 28	3.0	1.00	5.0	>1.00	700	N	N	N	200	2,000
M068C3	63 3 48	154 49 38	3.0	1.00	3.0	1.00	500	N	N	N	200	1,000
M069C3	63 6 2	154 53 9	2.0	1.00	3.0	>1.00	500	N	N	N	200	1,000
M070C3	63 6 0	154 51 24	3.0	1.50	5.0	>1.00	700	N	N	N	200	1,500
M071C3	63 2 57	154 55 16	2.0	.50	3.0	>1.00	300	N	N	N	200	700
M074C3	63 1 31	154 58 32	2.0	.70	3.0	>1.00	700	N	N	N	200	1,000
M075C3	63 0 17	155 13 14	2.0	1.00	3.0	>1.00	700	N	N	N	300	700
M076C3	63 2 29	155 6 20	2.0	.70	3.0	1.00	500	N	N	N	200	700
M077C3	63 0 8	155 26 0	2.0	.70	3.0	>1.00	700	N	N	N	200	700
M078C3	63 22 16	155 26 26	3.0	1.50	5.0	>1.00	500	N	N	N	>2,000	500
M081C3	63 24 11	155 25 54	2.0	1.50	10.0	>1.00	700	N	N	N	500	500
M082C3	63 24 46	155 23 34	2.0	1.00	2.0	>1.00	500	N	N	N	300	700
M083C3	63 27 42	155 24 9	2.0	1.00	2.0	>1.00	500	N	N	N	300	700
M084C3	63 28 7	155 28 50	2.0	.50	2.0	>1.00	300	N	N	N	500	5,000
M085C3	63 28 15	155 31 41	3.0	.70	2.0	>1.00	300	N	N	N	300	>5,000
M086C3	63 24 23	155 35 19	3.0	1.00	15.0	>1.00	1,500	N	N	N	300	300
M087C3	63 28 1	155 35 6	2.0	1.00	5.0	>1.00	500	N	N	N	300	>5,000
M088C3	63 23 8	155 34 29	2.0	1.00	10.0	>1.00	700	N	N	N	1,000	300
M089C3	63 23 31	155 38 24	3.0	1.50	10.0	.50	1,000	N	N	N	2,000	300
M090C3	63 22 23	155 38 16	3.0	3.00	10.0	.50	1,500	N	N	N	500	500
M091C3	63 20 12	155 37 55	5.0	3.00	5.0	>1.00	1,000	N	N	N	>2,000	300
M092C3	63 19 37	155 33 15	3.0	2.00	7.0	>1.00	1,000	N	N	N	>2,000	500
M093C3	63 18 10	155 30 40	3.0	2.00	5.0	>1.00	700	N	N	N	>2,000	300
M094C3	63 19 35	155 22 26	1.5	.30	.7	>1.00	200	N	N	N	1,500	1,500
M095C3	63 17 2	155 37 50	1.5	.30	.5	>1.00	200	N	N	N	300	700
M096C3	63 21 41	155 21 13	1.5	.30	1.5	>1.00	300	N	N	N	500	700
M097C3	63 16 56	155 42 15	1.5	.70	1.0	>1.00	300	N	N	N	200	1,500

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hulfra quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MO49C3	<2	N	N	10	200	100	200	N	100	<10	150
MO50C3	<2	N	N	20	3,000	100	70	N	70	30	20
MO51C3	<2	N	N	20	1,000	100	200	N	<50	30	20
MO52C3	<2	N	N	70	300	30	300	N	N	50	<20
MO53C3	<2	N	N	20	3,000	70	150	N	50	100	30
MO54C3	<2	50	N	<10	200	50	1,000	N	N	50	20
MO55C3	<2	N	N	10	700	50	500	N	<50	50	20
MO56C3	<2	70	N	20	700	300	300	15	70	100	50
MO57C3	<2	N	N	20	1,000	200	>1,000	N	100	70	200
MO58C3	2	N	N	10	500	100	100	N	<50	50	150
MO59C3	<2	30	N	10	200	150	>1,000	N	70	30	500
MO60C3	<2	N	N	20	700	100	>1,000	<10	<50	150	50
MO61C3	<2	N	N	10	700	100	500	N	N	50	50
MO62C3	<2	500	N	15	200	50	200	N	N	50	50
MO63C3	<2	N	N	10	150	50	>1,000	N	N	20	150
MO64C3	<2	N	N	<10	100	20	200	N	70	<10	20
MO65C3	<2	N	N	<10	700	100	500	N	<50	20	20
MO66C3	<2	N	N	20	500	100	150	N	<50	20	100
MO67C3	<2	N	N	15	200	50	150	<10	<50	50	30
MO68C3	<2	N	N	15	150	20	50	N	<50	50	<20
MO69C3	<2	N	N	10	200	100	200	N	50	20	<20
MO70C3	<2	N	N	15	200	70	100	N	<50	70	<20
MO71C3	<2	N	N	<10	500	30	200	N	50	<10	20
MO74C3	<2	N	N	10	200	30	100	N	50	20	20
MO75C3	<2	N	N	10	300	50	100	N	50	20	30
MO76C3	2	N	N	10	150	20	100	N	<50	20	20
MO77C3	<2	N	N	10	200	30	200	N	50	20	20
MO80C3	<2	N	N	10	700	50	500	N	50	50	100
MO81C3	<2	N	N	10	700	70	700	N	50	50	50
MO82C3	<2	N	N	10	700	50	500	N	70	30	30
MO83C3	<2	N	N	10	700	50	300	N	50	30	20
MO84C3	<2	N	N	10	700	50	500	N	<50	20	50
MO85C3	<2	N	N	10	700	50	200	N	100	20	20
MO86C3	<2	N	N	10	700	50	1,000	N	<50	30	20
MO87C3	<2	N	N	10	1,500	20	300	N	50	30	20
MO88C3	<2	N	N	<10	500	20	300	N	<50	20	20
MO89C3	<2	N	N	10	500	50	100	N	<50	50	20
MO90C3	2	N	N	20	2,000	30	200	N	<50	100	20
MO91C3	<2	N	N	20	2,000	50	200	N	<50	50	100
MO92C3	<2	N	N	10	700	50	300	N	<50	30	50
MO93C3	2	N	N	10	700	50	300	N	<50	30	300
MO94C3	<2	N	N	<10	150	50	200	N	50	<10	100
MO95C3	<2	N	N	10	200	50	200	N	100	20	50
MO96C3	<2	N	N	10	200	50	300	N	50	<10	100
MO97C3	<2	N	N	20	500	100	500	N	100	<10	20

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadfia quadrangle, Alaska--continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M049C3	N	20	N	700	200	N	200	N	>1,000	N
M050C3	N	30	N	200	200	N	100	N	>1,000	N
M051C3	N	50	N	300	300	N	200	N	>1,000	N
M052C3	N	50	N	300	200	N	500	N	>1,000	200
M053C3	N	70	100	300	500	N	150	N	>1,000	N
M054C3	N	50	N	300	150	N	500	N	>1,000	200
M055C3	N	70	N	500	150	N	500	N	>1,000	200
M056C3	N	20	150	1,500	200	500	200	N	>1,000	N
M057C3	N	50	100	300	500	500	500	N	>1,000	<200
M058C3	N	30	N	200	200	N	100	N	500	N
M059C3	N	30	150	300	200	<100	300	N	>1,000	N
M060C3	N	70	N	500	500	N	300	N	>1,000	N
M061C3	N	50	300	500	300	<100	300	5,000	>1,000	<200
M062C3	N	70	70	500	150	N	500	5,000	>1,000	N
M063C3	N	20	N	500	150	N	200	7,000	>1,000	300
M064C3	N	10	N	500	150	N	200	N	>1,000	N
M065C3	N	70	N	200	200	<100	300	N	>1,000	N
M066C3	N	50	N	500	200	N	150	N	>1,000	N
M067C3	N	20	300	500	300	N	200	N	>1,000	N
M068C3	N	20	N	500	200	N	50	N	>1,000	N
M069C3	N	20	150	500	200	N	200	N	>1,000	N
M070C3	N	20	N	500	300	N	100	N	>1,000	N
M071C3	N	20	50	300	200	N	200	N	>1,000	N
M074C3	N	20	N	500	200	N	100	N	>1,000	N
M075C3	N	20	70	500	200	N	100	N	>1,000	N
M076C3	N	20	N	500	200	N	70	N	>1,000	N
M077C3	N	20	50	500	200	N	200	N	>1,000	N
M080C3	N	30	N	300	200	100	300	N	>1,000	N
M081C3	N	30	N	500	200	N	300	N	1,000	N
M082C3	N	30	70	300	200	N	200	N	>1,000	N
M083C3	N	30	N	500	200	N	150	N	>1,000	N
M084C3	N	50	N	500	300	N	200	N	>1,000	N
M085C3	N	50	N	500	300	N	200	2,000	>1,000	N
M086C3	N	30	N	700	200	N	500	N	>1,000	N
M087C3	N	50	N	1,000	200	N	300	N	>1,000	N
M088C3	N	30	50	700	200	N	150	N	1,000	N
M089C3	N	20	N	500	200	N	100	N	500	N
M090C3	N	50	N	500	300	N	100	N	300	N
M091C3	N	70	<20	500	300	N	100	N	700	N
M092C3	N	50	<20	500	300	N	200	N	700	N
M093C3	N	50	150	500	300	<100	1,500	N	>1,000	N
M094C3	N	50	700	700	200	N	300	N	>1,000	N
M095C3	N	20	150	300	200	N	100	N	>1,000	N
M096C3	N	20	>1,000	300	200	N	200	N	>1,000	N
M097C3	N	30	100	700	300	N	100	N	>1,000	N

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Kodiak quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M098C3	63 1 50	155 31 44	3.0	.20	10.0	.10	700	N	N	N	100	500
M099C3	63 0 47	155 40 25	2.0	.50	1.0	.50	300	N	N	N	100	700
M100C3	63 0 40	155 49 28	1.5	.30	.7	.30	500	N	N	N	100	500
M101C3	63 3 1	155 51 42	1.0	.30	.7	.20	200	N	N	N	70	500
M103C3	63 5 20	155 48 8	1.0	.50	1.0	.50	300	N	N	N	70	500
M104C3	63 5 3	155 56 8	3.0	5.00	5.0	>1.00	1,000	N	N	N	200	5,000
M105C3	63 4 55	155 52 12	3.0	3.00	5.0	>1.00	1,000	30.0	N	N	70	1,500
M107C3	63 9 17	155 57 18	3.0	5.00	5.0	1.00	1,000	N	N	N	2,000	200
M109C3	63 12 44	155 49 28	2.0	2.00	1.0	>1.00	700	20.0	N	N	>2,000	500
M111C3	63 13 13	155 59 44	1.5	1.00	5.0	>1.00	500	<1.0	N	N	2,000	700
M112C3	63 13 48	155 45 16	1.5	.30	.7	>1.00	200	<1.0	N	N	300	700
M114C3	63 20 26	155 55 46	2.0	.30	.5	>1.00	200	N	N	N	100	700
M115C3	63 16 49	155 58 22	2.0	.50	1.0	>1.00	200	N	N	N	500	1,000
M116C3	63 20 41	155 46 43	5.0	1.50	.7	>1.00	1,000	2.0	N	N	300	700
M118C3	63 20 23	155 46 33	3.0	.50	.5	>1.00	300	N	N	N	500	700
M119C3	63 17 47	155 40 55	1.0	.50	.5	>1.00	200	N	N	N	200	1,000
M121C3	63 22 36	155 49 39	1.0	.20	.2	>1.00	200	N	N	N	150	500
M122C3	63 23 48	155 45 45	5.0	2.00	7.0	>1.00	1,000	N	N	N	1,000	500
M123C3	63 26 43	155 47 12	1.5	.30	2.0	>1.00	300	N	N	N	500	>5,000
M124C3	63 26 23	155 42 31	2.0	1.00	2.0	>1.00	500	N	N	N	500	1,000
M125C3	63 28 13	155 44 59	2.0	.20	.7	>1.00	300	N	N	N	1,000	200
M126C3	63 26 13	155 42 31	2.0	1.00	3.0	>1.00	500	N	N	N	500	5,000
M127C3	63 29 9	155 57 58	1.5	.50	10.0	.70	700	N	N	N	30	1,000
M128C3	63 26 10	155 59 34	3.0	.20	2.0	>1.00	200	N	N	N	500	3,000
M129C3	63 29 42	155 46 23	2.0	.70	1.0	>1.00	500	N	N	N	>2,000	500
M130C3	63 25 52	155 59 37	2.0	.50	1.5	>1.00	300	N	N	N	700	5,000
M131C3	63 52 47	155 9 15	3.0	2.00	1.5	>1.00	1,000	N	N	N	50	500
M132C3	63 29 6	155 53 23	2.0	.50	7.0	.70	1,000	N	N	N	100	>5,000
M134C3	63 29 18	155 53 52	2.0	.70	10.0	.50	700	N	N	N	70	700
M135C3	63 51 36	155 3 28	1.5	.30	2.0	>1.00	500	N	N	N	50	700
M136C3	63 29 14	155 37 5	3.0	1.00	.5	>1.00	500	N	N	N	>2,000	300
M138C3	63 29 26	155 37 10	3.0	.20	3.0	>1.00	300	N	N	N	2,000	300
M140C3	63 56 17	155 3 32	5.0	2.00	3.0	>1.00	1,000	N	N	N	70	500
M141C3	63 59 35	155 5 7	3.0	2.00	10.0	>1.00	1,500	N	N	N	20	500
M142C3	63 52 26	155 16 46	3.0	2.00	2.0	>1.00	1,000	N	N	N	20	500
M143C3	63 54 35	155 18 34	3.0	1.00	5.0	1.00	1,000	N	N	N	50	500
M144C3	63 57 8	155 19 31	5.0	1.50	5.0	1.00	1,500	N	N	N	50	>5,000
M146C3	63 56 44	155 12 11	3.0	1.50	3.0	1.00	700	N	N	N	50	500
M148C3	63 57 25	155 10 16	3.0	1.50	5.0	1.00	1,000	N	N	N	70	500
M149C3	63 55 21	155 6 51	5.0	2.00	3.0	1.00	1,000	N	N	N	50	500
M150C3	63 31 30	154 16 56	3.0	2.00	3.0	.70	1,000	N	N	N	50	200
M151C3	63 33 15	154 13 27	1.0	.20	15.0	.50	700	N	N	N	100	200
M152C3	63 33 22	154 11 46	1.5	.50	10.0	1.00	300	N	N	N	200	700
M153C3	63 34 28	154 10 0	1.5	.50	5.0	>1.00	300	N	N	N	200	700
M154C3	63 33 51	154 2 47	2.0	5.00	5.0	.20	500	N	N	N	20	200

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Melfra quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MD98C3	<2	N	N	<10	100	10	500	N	<50	<10	<20
MD99C3	<2	N	N	10	150	20	100	N	<50	20	<20
M100C3	<2	N	N	<10	100	20	50	N	<50	20	<20
M101C3	<2	N	N	<10	70	15	50	N	<50	<10	<20
M103C3	<2	N	N	10	100	15	70	N	<50	<10	20
M104C3	<2	N	N	20	5,000	50	200	N	50	50	30
M105C3	<2	N	N	20	3,000	100	150	N	50	70	20
M107C3	<2	N	N	20	5,000	20	150	N	<50	100	30
M109C3	3	200	N	10	300	50	150	N	50	30	1,000
M111C3	2	5,000	N	10	500	100	300	N	<50	20	1,000
M112C3	<2	N	N	10	150	50	200	N	70	<10	300
M114C3	<2	N	N	10	200	100	500	N	70	20	30
M115C3	<2	N	N	10	500	50	700	N	100	20	50
M116C3	<2	N	N	15	700	100	700	N	70	100	30
M118C3	<2	N	N	20	500	100	700	N	100	30	30
M119C3	<2	N	N	15	500	70	1,000	N	100	<10	50
M121C3	<2	N	N	15	300	70	1,000	N	100	<10	30
M122C3	<2	N	N	20	1,000	70	500	N	50	50	20
M123C3	<2	N	N	10	500	50	500	N	100	20	20
M124C3	<2	N	N	10	1,500	50	300	N	50	20	20
M125C3	<2	N	N	<10	200	70	100	N	<50	<10	100
M126C3	<2	N	N	10	500	70	200	N	50	20	<20
M127C3	<2	N	N	<10	100	50	1,000	N	N	<10	<20
M128C3	<2	N	N	200	200	100	200	N	50	300	100
M129C3	<2	N	N	10	500	100	200	N	50	20	500
M130C3	<2	N	N	50	500	100	500	N	100	50	50
M131C3	<2	N	N	20	500	100	100	N	50	30	30
M132C3	<2	<20	N	10	300	30	300	N	N	10	<20
M134C3	<2	<20	N	<10	300	30	700	N	N	10	<20
M135C3	<2	N	N	<10	150	70	150	N	<50	<10	50
M136C3	<2	N	N	<10	200	100	100	N	50	20	500
M138C3	<2	N	N	<10	700	200	200	N	50	20	50
M140C3	<2	N	N	30	700	100	100	N	<50	50	20
M141C3	<2	N	N	20	700	50	300	N	<50	100	20
M142C3	<2	N	N	10	700	50	100	N	<50	50	30
M143C3	<2	N	N	10	100	50	100	N	<50	20	20
M144C3	<2	N	N	20	1,000	30	200	N	<50	100	20
M146C3	<2	N	N	15	700	30	150	N	<50	50	20
M148C3	<2	N	N	20	700	50	100	N	<50	50	<20
M149C3	<2	N	N	20	1,000	100	100	N	<50	70	20
M150C3	<2	N	N	20	1,000	20	100	N	<50	100	<20
M151C3	<2	N	N	<10	100	10	1,000	N	N	<10	<20
M152C3	<2	N	N	<10	200	20	100	N	<50	20	<20
M153C3	<2	N	N	<10	150	70	200	N	100	<10	<20
M154C3	<2	N	N	10	1,000	10	50	N	<50	150	<20

Table 8.--*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hodfra quadrangle, Alaska--continued*

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M098C3	N	20	200	1,000	100	N	300	N	>1,000	N
M099C3	N	20	N	300	100	N	70	N	>1,000	N
M100C3	N	20	N	300	100	N	20	N	700	N
M101C3	N	20	N	300	100	N	20	N	500	N
M103C3	N	20	<20	300	100	N	20	N	1,000	N
M104C3	N	50	20	700	500	N	70	2,000	>1,000	N
M105C3	N	50	20	500	500	N	150	N	>1,000	N
M107C3	<200	50	500	200	300	N	100	N	>1,000	N
M109C3	500	50	>1,000	300	300	100	100	N	1,000	N
M111C3	1,500	30	700	300	300	N	200	N	>1,000	N
M112C3	2,000	20	1,000	200	200	N	100	<500	>1,000	N
M114C3	N	30	<20	500	200	N	70	N	>1,000	N
M115C3	N	50	200	300	200	N	200	N	>1,000	N
M116C3	N	30	N	300	200	N	100	<500	>1,000	N
M118C3	N	20	200	700	300	<100	150	N	>1,000	N
M119C3	N	100	300	300	300	N	200	N	>1,000	N
M121C3	N	50	500	200	300	N	200	N	>1,000	N
M122C3	N	50	300	500	300	N	200	N	>1,000	N
M123C3	N	30	500	1,000	300	N	150	N	>1,000	N
M124C3	N	50	100	500	200	N	200	N	>1,000	N
M125C3	N	100	>1,000	200	200	300	200	N	>1,000	N
M126C3	N	20	700	1,000	300	N	200	N	>1,000	N
M127C3	N	20	150	1,000	100	N	500	N	>1,000	<200
M128C3	N	10	150	700	150	N	200	5,000	>1,000	N
M129C3	N	20	>1,000	500	200	<100	200	N	>1,000	N
M130C3	N	30	100	700	200	<100	200	N	>1,000	N
M131C3	N	30	150	500	200	N	200	N	>1,000	N
M132C3	N	20	300	1,500	150	N	300	1,000	>1,000	N
M134C3	N	20	N	700	150	<100	500	N	>1,000	N
M135C3	500	20	200	500	200	N	300	N	>1,000	N
M136C3	N	20	>1,000	300	200	200	200	N	>1,000	N
M139C3	N	50	>1,000	1,000	200	200	300	N	>1,000	200
M140C3	N	50	200	500	200	N	100	N	>1,000	N
M143C3	N	50	1,000	500	200	N	300	N	>1,000	N
M142C3	N	50	300	200	200	N	500	N	>1,000	N
M145C3	N	30	100	1,000	200	N	150	N	>1,000	N
M144C3	N	50	<20	200	200	N	100	1,500	>1,000	N
M146C3	N	30	70	200	200	N	100	N	>1,000	<200
M148C3	N	20	<20	300	200	N	70	N	>1,000	N
M149C3	N	50	<20	200	300	N	200	N	>1,000	N
M150C3	N	20	N	200	200	N	50	N	>1,000	N
M151C3	N	20	N	1,000	70	N	500	N	>1,000	<200
M152C3	N	N	N	1,000	200	N	200	N	>1,000	N
M153C3	N	20	N	300	200	N	200	N	>1,000	N
M154C3	N	<10	70	200	150	N	20	N	700	N

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadfia quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M155C3	63 34 16	154 6 5	1.0	5.00	10.0	.20	300	N	N	N	20	150
M156C3	63 33 33	154 2 56	2.0	5.00	7.0	.20	500	N	N	N	70	50
M158C3	63 30 53	154 11 13	1.0	7.00	15.0	.10	300	N	N	N	<20	100
M159C3	63 33 50	153 57 29	3.0	5.00	10.0	1.00	1,000	N	N	N	300	1,000
M160C3	63 31 26	154 2 6	2.0	7.00	10.0	.20	500	N	N	N	20	1,000
M161C3	63 34 56	153 58 42	2.0	5.00	10.0	.50	500	2.0	N	N	70	300
M162C3	63 34 57	153 56 28	3.0	1.50	5.0	1.00	500	N	N	N	100	500
M163C3	63 43 29	153 54 38	2.0	2.00	5.0	1.00	500	N	N	N	2,000	500
M165C3	63 44 51	153 55 24	2.0	5.00	7.0	.50	700	N	N	N	50	1,000
M166C3	63 39 51	153 50 21	2.0	5.00	10.0	1.00	700	N	N	N	1,000	300
M167C3	63 41 43	153 42 46	2.0	3.00	7.0	.50	500	N	N	N	70	200
M169C3	63 39 26	153 44 39	2.0	5.00	10.0	>1.00	700	N	N	N	70	500
M170C3	63 43 23	153 43 42	1.0	10.00	15.0	.30	300	30.0	N	N	20	200
M171C3	63 7 38	155 8 42	2.0	.70	10.0	1.00	1,000	N	N	N	100	700
M173C3	63 9 21	155 11 33	2.0	.30	10.0	1.00	500	N	N	N	200	300
M177C3	63 17 29	154 46 44	2.0	5.00	10.0	.70	500	N	N	N	>2,000	700
M178C3	63 16 7	154 46 38	1.0	1.00	3.0	1.50	500	N	N	N	300	500
M179C3	63 20 32	154 41 28	2.0	1.50	5.0	>1.00	500	N	N	N	300	700
M180C3	63 18 15	154 41 35	2.0	.30	10.0	>1.00	300	N	N	N	150	5,000
M181C3	63 22 39	154 41 3	3.0	1.50	2.0	>1.00	500	N	N	N	2,000	1,000
M182C3	63 21 1	154 38 26	5.0	1.00	10.0	1.00	1,000	N	N	N	700	700
M183C3	63 22 35	154 31 35	1.5	10.00	10.0	.50	300	N	N	N	50	200
M184C3	63 21 11	154 37 22	3.0	1.50	10.0	1.00	500	N	N	N	1,000	1,500
M185C3	63 23 40	154 46 20	2.0	.70	2.0	>1.00	300	N	N	N	300	1,000
M186C3	63 23 14	154 44 30	10.0	7.00	10.0	1.00	1,500	N	N	N	<20	300
M188C3	63 23 3	154 47 46	3.0	1.00	1.0	>1.00	100	N	N	N	>2,000	1,000
M190C3	63 20 39	154 56 56	2.0	.30	1.0	>1.00	200	2,000.0	N	N	500	>5,000
M191C3	63 20 7	155 3 38	1.5	.50	1.0	>1.00	300	5.0	N	N	300	1,500
M192C3	63 20 42	155 0 27	1.5	.20	.5	>1.00	1,000	1,500.0	N	>500	100	1,500
M193C3	63 23 29	155 5 11	1.5	.20	.5	>1.00	200	N	N	N	300	1,500
M194C3	63 21 30	155 7 15	1.5	.30	1.0	>1.00	300	N	N	N	700	2,500
M195C3	63 26 11	155 7 52	>20.0	.10	.7	.50	300	<1.0	N	N	50	1,000
M196C3	63 24 47	155 3 51	3.0	2.00	5.0	>1.00	100	N	N	N	300	1,500
M197C3	63 26 39	155 16 32	1.5	.30	.7	.50	200	N	N	N	50	700
M198C3	63 25 47	155 12 40	3.0	.70	7.0	>1.00	1,500	N	N	N	>2,000	5,000
M199C3	63 46 21	153 52 50	3.0	2.00	5.0	.50	1,000	N	N	N	70	700
M200C3	63 28 16	155 21 16	3.0	.30	5.0	>1.00	700	N	N	N	500	5,000
M201C3	63 46 40	153 48 48	3.0	2.00	10.0	>1.00	500	N	N	N	200	>5,000
M202C3	63 49 19	153 47 37	1.0	5.00	10.0	.20	300	2.0	N	N	50	200
M203C3	63 52 0	153 37 38	.5	5.00	10.0	.30	300	N	N	N	20	100
M204C3	63 54 48	153 33 33	.7	5.00	10.0	.30	200	N	N	N	30	500
M205C3	63 56 22	155 33 12	3.0	5.00	10.0	.30	1,000	N	N	N	100	300
M206C3	63 54 46	153 29 54	.5	5.00	7.0	.10	200	N	N	N	50	1,000
M207C3	63 58 11	153 18 17	.2	7.00	10.0	.05	200	N	N	N	20	50
M208C3	63 56 59	153 12 34	10.0	.50	1.0	>1.00	200	N	500	N	150	>5,000

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedfra quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M155C3	<2	N	N	<10	700	10	50	N	<50	50	200
M156C3	<2	N	N	10	700	10	50	N	<50	100	<20
M158C3	<2	N	N	<10	50	10	50	N	<50	<10	50
M159C3	<2	N	N	15	1,000	30	150	N	<50	100	20
M160C3	<2	N	N	<10	50	10	50	N	<50	<10	20
M161C3	<2	N	N	<10	500	20	100	N	<50	50	20
M162C3	<2	N	N	10	200	50	200	N	50	50	20
M163C3	<2	N	N	20	700	50	200	N	50	70	50
M165C3	<2	N	N	20	1,000	20	100	N	<50	150	20
M166C3	<2	N	N	15	1,000	20	100	N	<50	100	<20
M167C3	<2	N	N	10	70	20	70	N	<50	<10	<20
M169C3	<2	N	N	<10	200	20	200	N	50	<10	100
M170C3	<2	N	N	<10	100	20	50	N	<50	<10	20
M171C3	<2	N	N	10	200	20	500	N	<50	<10	20
M173C3	<2	N	N	<10	100	20	500	N	N	<10	20
M177C3	<2	N	N	<10	500	15	100	N	<50	20	100
M178C3	N	N	N	N	70	N	150	N	<50	N	70
M179C3	<2	N	N	10	1,000	20	300	N	50	20	30
M180C3	<2	N	N	<10	150	20	300	N	50	<10	20
M181C3	<2	N	N	10	700	20	500	N	N	30	30
M182C3	<2	N	N	20	300	20	200	N	<50	50	30
M183C3	<2	150	N	<10	150	20	150	N	<50	<10	20
M184C3	<2	N	N	10	300	20	300	N	<50	30	50
M185C3	<2	N	N	10	500	50	1,000	N	50	<10	50
M186C3	<2	N	N	50	5,000	10	150	N	<50	200	<20
M188C3	<2	N	N	10	700	50	300	N	100	20	20
M190C3	<2	N	N	10	300	1,000	1,000	N	150	<10	50
M191C3	<2	N	N	10	700	50	200	N	100	<10	50
M192C3	<2	N	N	50	200	200	200	N	100	150	70
M193C3	<2	N	N	10	500	50	1,000	N	50	<10	150
M194C3	<2	N	N	10	500	50	>1,000	N	150	<10	100
M195C3	<2	N	N	50	100	700	500	N	50	150	70
M196C3	<2	N	N	10	200	50	>1,000	N	50	20	50
M197C3	<2	N	N	10	300	15	50	N	<50	<10	N
M198C3	<2	N	N	15	700	50	1,000	N	50	20	50
M199C3	<2	N	N	20	1,000	20	150	N	<50	70	20
M200C3	<2	N	N	20	500	100	700	N	100	20	50
M201C3	<2	N	N	20	150	50	150	N	<50	100	50
M202C3	<2	N	N	<10	20	10	50	N	N	<10	<20
M203C3	<2	N	N	<10	50	10	50	N	<50	<10	<20
M204C3	<2	N	N	<10	50	<10	50	N	<50	<10	<20
M205C3	<2	N	N	15	150	20	50	N	<50	50	<20
M206C3	<2	N	N	<10	20	15	50	N	N	<10	<20
M207C3	<2	N	N	<10	20	<10	50	N	<50	<10	<20
M208C3	<2	N	N	50	100	300	100	50	100	150	200

Table 8.--*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Nenana quadrangle, Alaska--continued*

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M155C3	N	20	>1,000	200	100	N	<20	N	500	N
M156C3	N	20	150	200	100	N	<20	N	700	N
M158C3	N	20	1,000	200	20	N	<20	N	100	N
M159C3	N	50	>1,000	700	200	N	150	N	>1,000	N
M160C3	N	20	300	500	50	N	50	N	1,000	N
M161C3	N	20	<20	300	100	N	50	N	>1,000	N
M162C3	N	30	70	300	200	N	150	N	>1,000	N
M163C3	N	50	1,000	500	200	N	200	N	>1,000	N
M165C3	N	50	N	500	200	N	70	N	>1,000	N
M166C3	N	50	150	300	200	N	150	N	>1,000	N
M167C3	N	20	150	200	150	N	70	N	>1,000	N
M169C3	N	20	300	1,000	150	<100	150	N	>1,000	N
M170C3	N	20	N	200	50	N	30	N	1,000	N
M171C3	N	20	150	500	200	N	300	N	>1,000	N
M173C3	N	20	100	300	100	N	500	N	>1,000	<200
M177C3	N	20	500	200	150	N	100	N	>1,000	N
M178C3	N	20	150	<200	70	N	500	N	>2,000	N
M179C3	N	50	150	500	200	N	300	N	>1,000	<200
M180C3	N	20	N	1,000	200	N	300	N	>1,000	N
M181C3	N	50	700	500	150	N	300	N	>1,000	<200
M182C3	N	30	50	1,000	200	N	200	N	>1,000	N
M183C3	N	20	150	200	70	150	100	N	>1,000	N
M184C3	N	20	100	1,000	200	N	300	N	>1,000	N
M185C3	N	70	70	500	300	N	300	N	>1,000	N
M186C3	N	>100	N	200	500	N	100	N	700	N
M188C3	N	50	<20	300	300	N	100	N	>1,000	N
M190C3	N	50	100	2,000	300	N	200	N	>1,000	N
M191C3	N	50	20	1,000	300	N	200	N	>1,000	N
M192C3	N	20	50	300	200	N	100	N	1,000	N
M193C3	N	100	N	300	300	N	300	N	>1,000	N
M194C3	N	20	<20	700	300	N	300	N	>1,000	N
M195C3	N	20	N	200	50	N	200	1,000	>1,000	N
M196C3	N	50	70	500	200	N	700	N	>1,000	<200
M197C3	N	20	N	200	100	N	20	N	>1,000	N
M198C3	N	50	1,000	700	200	100	500	1,000	>1,000	<200
M199C3	N	30	20	500	200	N	150	N	500	N
M200C3	N	20	N	1,500	300	<100	500	N	>1,000	N
M201C3	N	20	<20	1,000	100	N	200	1,000	>1,000	N
M202C3	N	N	N	300	50	N	50	N	100	N
M203C3	N	<10	50	<200	50	N	<20	N	300	N
M204C3	N	10	150	<200	50	N	30	N	>1,000	N
M205C3	N	<10	N	500	200	N	20	N	100	N
M206C3	N	N	N	<200	20	N	<20	N	700	N
M207C3	N	N	N	<200	20	N	<20	N	100	N
M208C3	N	20	200	1,500	150	<100	150	N	>1,000	N

Table 8.--*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedfra quadrangle, Alaska*--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M209C3	63 57 5	153 5 28	5.0	.50	.5	.70	200	N	N	N	70	1,500
M210C3	63 58 1	153 3 43	5.0	1.00	1.0	>1.00	1,000	N	N	N	70	500
M211C3	63 56 39	153 7 17	2.0	.30	10.0	>1.00	500	N	N	N	70	3,000
M212C3	63 56 2	153 0 32	10.0	.20	1.0	>1.00	1,000	N	N	N	100	3,000
M213C3	63 52 44	153 5 29	5.0	1.50	2.0	>1.00	1,000	N	N	N	100	500
M214C3	63 43 52	154 4 17	20.0	1.50	7.0	>1.00	700	<1.0	N	N	50	500
M215C3	63 51 26	153 19 25	2.0	.50	2.0	>1.00	700	N	<500	N	150	1,000
M216C3	63 50 30	153 18 21	2.0	.50	1.5	>1.00	500	N	N	N	150	1,000
M217C3	63 49 0	153 13 31	3.0	.20	1.5	>1.00	300	N	N	N	100	>5,000
M218C3	63 47 44	153 16 53	3.0	.70	5.0	>1.00	1,000	N	N	N	500	>5,000
M219C3	63 46 25	153 19 15	5.0	3.00	20.0	>1.00	700	N	N	N	500	>5,000
M221C3	63 44 21	153 2 33	2.0	.30	.1	>1.00	300	N	N	N	1,000	1,500
M224C3	63 51 47	153 8 23	5.0	5.00	7.0	>1.00	1,000	N	N	N	70	>5,000
M225C3	63 51 50	153 3 30	2.0	.50	2.0	>1.00	200	N	N	N	200	>5,000
M226C3	63 53 13	153 15 1	3.0	1.00	1.0	.50	500	N	N	N	100	1,000
M227C3	63 54 46	153 14 2	10.0	.50	.7	.70	1,000	N	500	N	150	1,500
M228C3	63 55 19	153 20 52	.7	7.00	15.0	.50	200	N	N	N	<20	200
M229C3	63 53 33	153 23 19	.7	10.00	15.0	.20	300	N	N	N	<20	150
M230C3	63 53 47	153 21 41	10.0	3.00	10.0	.70	1,500	N	N	N	500	>5,000
M231C3	63 50 44	153 25 25	2.0	5.00	10.0	1.00	300	N	N	N	70	3,000
M233C3	63 28 59	154 15 26	5.0	7.00	15.0	.50	300	N	N	N	100	200
M234C3	63 29 24	154 25 28	5.0	.50	.7	>1.00	700	N	N	N	1,000	1,000
M235C3	63 30 0	154 4 10	.7	10.00	20.0	.07	500	N	N	N	20	300
M236C3	63 28 41	154 8 14	1.0	10.00	20.0	.07	300	N	N	N	<20	50
M237C3	63 29 6	154 7 42	.5	10.00	20.0	.05	200	N	N	N	<20	70
M238C3	63 25 44	154 3 43	1.5	10.00	15.0	.70	500	N	N	N	500	>5,000
M240C3	63 27 36	154 9 27	1.0	1.50	7.0	1.00	500	N	N	N	50	2,000
M241C3	63 27 9	154 10 23	1.5	7.00	15.0	.10	300	N	N	N	20	700
M242C3	63 25 51	154 10 32	1.0	.50	2.0	.07	200	N	N	N	20	>5,000
M243C3	63 25 9	154 12 8	3.0	7.00	15.0	1.00	1,000	N	N	N	150	>5,000
M244C3	63 24 25	154 8 0	2.0	1.00	5.0	>1.00	500	N	N	N	1,000	5,000
M245C3	63 22 16	154 11 13	5.0	2.00	10.0	.15	1,500	N	N	N	100	500
M247C3	63 26 34	154 22 37	2.0	10.00	20.0	.10	500	N	<500	N	70	>5,000
M248C3	63 26 20	154 25 3	5.0	7.00	15.0	1.00	1,500	N	N	N	>2,000	3,000
M249C3	63 24 52	154 23 31	.2	10.00	20.0	.10	300	N	N	N	20	200
M250C3	63 43 47	154 20 7	3.0	.50	1.0	.30	1,000	N	N	N	200	5,000
M254C3	63 48 37	154 18 17	2.0	1.50	10.0	>1.00	300	N	N	N	300	500
M256C3	63 53 2	154 28 1	2.0	1.50	5.0	>1.00	500	N	N	N	700	200
M257C3	63 55 17	154 23 23	3.0	1.00	5.0	>1.00	300	N	N	N	300	500
M258C3	63 55 28	154 24 5	2.0	2.00	5.0	>1.00	300	N	N	N	300	500
M259C3	63 55 42	154 21 36	2.0	1.50	7.0	>1.00	500	N	N	N	700	300
M262C3	63 56 46	154 11 29	2.0	.50	3.0	>1.00	50	N	N	N	200	500
M263C3	63 56 25	154 15 20	2.0	1.00	7.0	1.00	300	N	N	N	200	300
M264C3	63 52 36	154 10 33	2.0	1.00	7.0	>1.00	500	N	N	N	500	200
M266C3	63 49 10	154 4 21	5.0	5.00	10.0	.70	1,000	N	N	N	70	300

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedfix quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M209C3	<2	N	N	<10	20	200	100	N	<50	<10	100
M210C3	<2	N	N	<10	700	50	100	N	<50	30	70
M211C3	<2	N	N	<10	100	30	200	N	<50	<10	20
M212C3	<2	N	N	10	50	50	150	50	200	<10	200
M213C3	<2	N	N	10	500	150	300	N	150	<10	30
M214C3	<2	N	N	100	500	500	100	N	<50	300	150
M215C3	<2	N	N	10	100	20	100	N	<50	<10	<20
M216C3	<2	N	N	<10	150	50	150	N	50	<10	50
M217C3	<2	N	N	<10	150	50	300	N	50	<10	50
M218C3	<2	N	N	<10	150	50	200	N	100	<10	30
M219C3	<2	N	N	<10	150	50	200	N	50	30	20
M221C3	<2	N	N	<10	200	50	500	N	150	<10	50
M224C3	<2	N	N	20	3,000	50	100	10	100	20	150
M225C3	<2	N	N	10	200	700	1,000	N	150	<10	20
M226C3	2	N	N	10	300	20	100	N	<50	<10	50
M227C3	7	N	N	10	200	50	500	50	<50	15	150
M228C3	<2	N	N	<10	20	<10	50	N	<50	10	<20
M229C3	<2	N	N	<10	20	<10	50	N	N	10	<20
M230C3	2	N	N	50	500	30	150	N	<50	100	20
M231C3	<2	N	N	<10	200	<10	70	N	<50	<10	30
M233C3	<2	N	N	<10	150	70	50	N	<50	70	100
M234C3	<2	N	N	10	2,000	50	500	N	100	20	100
M235C3	<2	N	N	<10	20	<10	50	N	N	<10	<20
M236C3	<2	N	N	<10	20	<10	50	N	N	<10	<20
M237C3	<2	N	N	<10	20	<10	50	N	N	<10	<20
M238C3	<2	N	N	<10	20	15	100	N	N	<10	<20
M240C3	<2	N	N	<10	30	10	150	N	<50	20	<20
M241C3	<2	N	N	<10	20	10	50	N	<50	20	<20
M242C3	<2	N	N	<10	20	10	50	N	N	10	<20
M243C3	<2	N	N	10	300	100	50	N	<50	50	150
M244C3	<2	N	N	10	100	150	500	N	50	20	<20
M245C3	<2	N	N	10	700	20	50	N	<50	100	<20
M247C3	<2	N	N	<10	300	20	50	N	<50	<10	<20
M248C3	<2	N	N	10	700	20	300	N	<50	50	30
M249C3	<2	N	N	<10	20	<10	50	N	<50	<10	<20
M250C3	<2	N	N	<10	50	20	200	N	N	30	50
M254C3	<2	N	N	<10	300	20	100	N	100	<10	100
M256C3	<2	N	N	10	200	30	50	N	50	10	20
M257C3	<2	N	N	10	500	50	300	N	150	10	20
M258C3	<2	N	N	10	200	100	200	N	100	10	20
M259C3	<2	N	N	10	200	50	200	N	100	20	70
M262C3	<2	N	N	10	200	30	100	N	100	10	70
M263C3	<2	N	N	10	200	30	100	N	<50	20	100
M264C3	<2	N	N	10	200	100	100	N	<50	20	50
M266C3	<2	N	N	20	2,000	20	50	N	<50	200	20

Table 6.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadfia quadrangle, Alaska--continued

Sample	S-SB	S-SC	S-SH	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-ZW
M209C3	N	20	N	200	50	N	1,000	N	>1,000	200
M210C3	N	20	N	<200	100	N	500	N	>1,000	<200
M211C3	N	20	150	500	100	N	200	N	>1,000	N
M212C3	N	20	150	500	100	<100	200	N	1,000	N
M213C3	N	20	100	300	200	N	300	N	>1,000	N
M214C3	N	20	N	300	200	N	50	N	300	N
M215C3	N	20	N	300	150	N	100	N	>1,000	N
M216C3	N	20	500	300	150	N	200	N	>1,000	N
M217C3	N	20	200	300	200	N	150	N	>1,000	N
M218C3	N	20	300	300	200	<100	150	N	>1,000	N
M219C3	N	20	N	300	200	N	150	N	>1,000	N
M221C3	N	>100	50	300	100	N	300	N	>1,000	200
M224C3	N	70	300	200	200	N	200	N	>1,000	N
M225C3	N	30	100	1,000	200	N	150	N	>1,000	N
M226C3	N	20	N	200	100	N	20	N	>1,000	N
M227C3	N	20	>1,000	2,000	100	N	50	N	700	N
M228C3	N	<10	200	300	20	N	<20	N	70	N
M229C3	N	<10	50	200	20	N	<20	N	70	N
M230C3	N	20	200	1,000	200	N	200	N	1,000	N
M231C3	N	20	50	500	100	N	150	N	700	N
M233C3	N	20	<20	200	200	N	<20	N	300	N
M234C3	N	30	100	300	200	N	150	N	>1,000	N
M235C3	N	<10	N	<200	20	N	20	N	500	N
M236C3	N	<10	N	<200	20	N	<20	N	70	N
M237C3	N	<10	N	<200	20	N	<20	N	200	N
M238C3	N	<10	N	300	150	N	70	N	500	N
M240C3	N	<10	N	500	200	N	70	N	>1,000	N
M241C3	N	<10	N	<200	50	N	<20	N	700	N
M242C3	N	<10	N	2,000	50	N	70	N	300	N
M243C3	N	<10	N	1,500	200	N	70	2,000	200	N
M244C3	N	20	N	1,000	300	300	200	N	700	N
M245C3	N	20	N	700	150	N	20	N	200	N
M247C3	N	<10	N	300	70	N	50	N	>1,000	N
M248C3	N	30	N	300	200	N	300	N	>1,000	N
M249C3	N	<10	N	300	20	N	<20	N	700	N
M250C3	N	20	N	300	100	N	300	N	>1,000	N
M254C3	N	<10	N	1,000	200	N	150	N	1,000	N
M256C3	N	10	N	200	300	N	70	N	1,000	N
M257C3	N	20	N	500	300	N	150	N	1,000	N
M258C3	N	20	N	500	300	N	100	N	1,000	N
M259C3	N	20	N	1,500	300	N	100	N	1,000	N
M262C3	N	20	N	1,000	300	N	70	N	1,000	N
M263C3	N	20	N	1,500	200	N	70	N	300	N
M264C3	N	20	N	1,000	200	N	70	N	300	N
M266C3	N	50	N	300	200	N	20	N	200	N

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadley quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M268C3	63 44 50	154 7 46	2.0	.70	5.0	>1.00	700	N	N	N	100	1,000
M269C3	63 43 44	154 7 9	2.0	.30	2.0	1.00	300	N	N	N	200	1,000
M270C3	63 42 12	154 4 54	2.0	2.00	5.0	>1.00	700	N	N	N	100	300
M271C3	63 6 35	154 8 33	3.0	7.00	10.0	.30	1,500	N	N	N	50	200
M272C3	63 7 12	153 56 13	2.0	1.00	2.0	>1.00	700	N	N	N	200	1,000
M273C3	63 10 13	153 54 27	3.0	1.50	3.0	>1.00	500	N	N	N	500	1,000
M274C3	63 10 21	153 54 0	3.0	1.00	2.0	>1.00	500	N	N	N	100	700
M276C3	63 11 19	154 2 11	2.0	.50	5.0	>1.00	500	N	N	N	50	1,000
M279C3	63 25 31	154 29 15	3.0	1.50	7.0	>1.00	700	N	N	N	500	5,000
M280C3	63 19 11	154 20 30	3.0	1.50	7.0	>1.00	500	N	N	N	700	700
M281C3	63 19 38	154 9 55	5.0	2.00	10.0	.30	1,500	N	N	N	100	1,000
M285C3	63 2 36	153 7 58	2.0	.50	2.0	>1.00	500	N	N	N	200	1,000
M293C3	63 41 22	155 34 18	>20.0	.30	2.0	>1.00	1,500	10.0	500	N	1,000	>5,000
M294C3	63 44 58	155 39 58	2.0	1.50	3.0	>1.00	700	700.0	N	>500	50	>5,000
M295C3	63 43 57	155 42 9	10.0	.20	1.0	>1.00	1,500	N	N	N	70	>5,000
M296C3	63 42 54	155 44 20	3.0	.20	.5	.20	1,000	N	N	N	50	>5,000
M300C3	63 40 7	155 54 36	3.0	3.00	7.0	1.00	1,500	N	N	N	50	>5,000
M302C3	63 36 36	155 58 0	3.0	1.50	5.0	1.00	1,500	N	N	N	50	>5,000
M303C3	63 35 28	155 58 28	3.0	1.50	7.0	>1.00	1,500	N	N	N	100	1,500
M304C3	63 36 10	155 57 7	2.0	.30	5.0	>1.00	500	N	N	N	100	>5,000
M305C3	63 33 15	155 59 28	2.0	.50	10.0	1.00	500	N	N	N	50	2,000
M306C3	63 32 52	155 51 23	2.0	1.00	10.0	>1.00	1,000	N	N	N	50	1,000
M309C3	63 27 46	154 32 36	5.0	.50	1.0	>2.00	500	70.0	5,000	N	1,000	2,000
M310C3	63 27 32	154 39 5	1.5	5.00	7.0	>2.00	700	N	N	N	200	10,000
M311C3	63 30 20	154 36 2	7.0	2.00	.7	1.50	700	N	2,000	N	>5,000	300
M312C3	63 37 41	154 6 37	5.0	10.00	10.0	.20	1,000	N	N	N	100	100
M313C3	63 41 37	154 3 51	2.0	10.00	15.0	.20	1,500	10.0	N	N	100	70
M314C3	63 41 52	154 3 18	5.0	10.00	15.0	1.00	1,000	N	N	N	70	300
M315C3	63 27 35	154 17 35	.7	5.00	10.0	.30	300	N	N	N	200	>10,000
M316C3	63 38 17	155 34 25	7.0	15.00	15.0	2.00	1,500	N	N	N	50	700
M317C3	63 36 28	155 29 18	5.0	7.00	10.0	2.00	1,000	N	N	N	<20	7,000
M318C3	63 40 1	155 29 1	5.0	7.00	10.0	1.50	1,000	N	N	N	<20	500
M319C3	63 40 23	155 23 48	2.0	5.00	5.0	>2.00	700	N	N	N	20	500
M320C3	63 42 28	155 20 37	5.0	7.00	5.0	>2.00	1,000	N	N	N	<20	300
M322C3	63 43 41	155 16 57	3.0	.70	.5	>2.00	500	N	N	N	>5,000	1,000
M323C3	63 46 23	155 12 51	5.0	7.00	5.0	>2.00	1,500	N	N	N	5,000	2,000
M325C3	63 48 49	155 11 39	15.0	1.00	5.0	>2.00	2,000	N	N	N	50	1,500
M327C3	63 41 12	155 0 41	5.0	.50	15.0	2.00	1,500	N	N	N	150	>10,000
M328C3	63 39 21	155 5 44	15.0	15.00	1.5	>2.00	7,000	N	N	N	1,000	2,000
M329C3	63 42 23	155 5 37	.7	.10	3.0	>2.00	200	N	N	N	50	>10,000
M338C3	63 32 32	153 14 9	1.5	.30	1.5	>2.00	500	N	N	N	500	3,000
M339C3	63 33 29	153 13 53	3.0	.70	5.0	>2.00	1,000	N	N	N	>5,000	3,000
M340C3	63 34 40	153 12 17	2.0	1.00	5.0	>2.00	700	N	N	N	2,000	1,000
M341C3	63 36 17	153. 6 59	2.0	1.00	5.0	>2.00	700	N	N	N	500	1,000
M342C3	63 36 5	153 7 4	2.0	1.00	5.0	>2.00	1,000	N	N	N	500	7,000

Table 6.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Bedford quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M268C3	<2	N	N	10	150	100	300	N	<50	50	20
M269C3	<2	N	N	10	70	15	50	N	<50	20	<20
M270C3	<2	N	N	20	100	50	100	N	<50	20	50
M271C3	2	N	N	20	1,000	10	50	50	<50	100	20
M272C3	<2	N	N	10	150	20	700	N	<50	20	<20
M273C3	<2	N	N	20	500	100	>1,000	N	<50	20	50
M274C3	<2	N	N	20	150	20	700	N	<50	30	20
M278C3	<2	N	N	20	100	100	500	N	N	20	50
M279C3	<2	N	N	10	300	50	150	N	<50	50	<20
M280C3	<2	N	N	10	100	50	200	N	<50	20	<20
M281C3	<2	N	N	20	500	20	50	N	<50	100	<20
M285C3	<2	N	N	<10	150	50	300	N	50	20	<20
M293C3	<2	N	<50	200	700	2,000	500	50	50	700	200
M294C3	<2	N	N	10	500	50	150	N	<50	20	<20
M295C3	<2	N	N	70	200	200	150	N	<50	700	200
M296C3	<2	N	N	20	50	100	50	N	<50	150	50
M300C3	<2	N	N	20	1,000	20	50	N	<50	150	20
M302C3	<2	N	N	20	200	20	50	N	<50	100	20
M303C3	<2	N	N	20	700	20	500	N	<50	20	100
M304C3	<2	N	N	10	200	20	200	N	<50	<10	20
M305C3	<2	N	N	<10	100	20	1,000	10	<50	<10	<20
M306C3	<2	N	N	<10	500	20	1,000	N	<50	<10	<20
M309C3	2	<20	150	15	300	200	150	N	70	20	30,000
M310C3	<2	N	N	20	1,500	<10	200	N	50	50	300
M311C3	5	100	N	30	200	150	200	N	70	50	70
M312C3	<2	N	N	50	5,000	10	N	15	N	300	<20
M313C3	3	N	<50	10	500	100	50	30	N	50	1,000
M314C3	<2	N	N	50	3,000	10	50	N	N	200	20
M315C3	<2	N	N	10	700	N	150	N	N	30	N
M316C3	<2	N	N	30	1,000	15	100	N	N	70	50
M317C3	<2	N	N	30	700	<10	50	N	N	50	20
M318C3	2	N	N	30	1,500	<10	50	N	N	100	<20
M319C3	3	N	N	20	700	N	70	N	70	50	70
M320C3	<2	N	N	30	1,500	<10	50	N	50	150	50
M322C3	2	N	N	20	500	<10	150	N	70	N	150
M323C3	2	N	N	30	1,000	<10	70	N	<50	150	20
M325C3	3	N	N	20	300	N	150	N	100	N	150
M327C3	5	N	N	50	150	<10	500	N	<50	20	<20
M328C3	<2	N	N	70	700	<10	150	N	70	50	50
M329C3	<2	N	N	10	100	<10	50	N	50	<10	<20
M338C3	300	70	N	<10	150	50	1,500	N	150	N	700
M339C3	20	70	N	10	150	10	500	N	100	20	500
M340C3	3	50	N	10	200	15	300	N	70	N	1,000
M341C3	2	N	N	15	500	<10	100	N	70	20	50
M342C3	<2	N	N	15	300	<10	100	N	50	20	50

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadfra quadrangle, Alaska--Continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TM
M268C3	N	20	50	500	200	N	100	N	1,000	N
M269C3	N	<10	N	300	70	N	<20	N	1,000	N
M270C3	N	<10	N	300	300	N	70	N	1,000	N
M271C3	N	10	N	200	150	200	30	N	500	N
M272C3	N	20	100	300	150	N	150	N	>1,000	N
M273C3	N	20	700	300	200	N	500	N	>1,000	N
M277C3	N	20	300	500	200	N	300	N	>1,000	N
M278C3	N	20	N	700	300	N	200	N	>1,000	N
M279C3	N	20	50	500	200	N	300	N	>1,000	N
M280C3	N	10	50	200	300	N	100	N	>1,000	N
M281C3	N	10	20	500	150	N	20	N	700	N
M285C3	N	15	<20	300	200	N	300	N	>1,000	N
M293C3	N	20	300	1,500	100	N	200	5,000	>1,000	N
M294C3	N	20	N	200	200	N	100	700	>1,000	N
M295C3	N	20	N	200	150	N	100	1,000	>1,000	N
M296C3	N	10	150	3,000	70	N	20	1,000	500	N
M300C3	N	50	N	500	200	N	50	1,000	1,000	N
M302C3	N	30	N	1,000	200	N	50	N	1,000	N
M303C3	N	50	N	500	200	200	200	N	>1,000	N
M304C3	N	20	300	200	300	500	150	N	>1,000	N
M305C3	N	20	N	700	100	100	1,000	N	>1,000	N
M306C3	N	20	N	1,000	200	<100	700	N	>1,000	N
M309C3	N	30	>2,000	1,000	500	<100	150	N	>2,000	N
M310C3	N	70	>2,000	3,000	300	N	200	N	>2,000	N
M311C3	N	50	200	300	300	100	100	N	1,000	N
M312C3	N	150	N	N	500	N	20	N	20	N
M313C3	N	15	N	<200	100	500	30	N	300	N
M314C3	N	150	150	200	500	N	50	N	200	N
M315C3	N	30	50	300	70	150	500	N	>2,000	N
M316C3	N	150	300	500	500	N	100	1,500	>2,000	N
M317C3	N	150	N	1,000	700	150	50	1,500	1,000	N
M318C3	N	100	N	300	300	N	150	N	>2,000	N
M319C3	N	70	700	<200	700	<100	300	N	>2,000	N
M320C3	N	50	150	<200	500	N	100	N	>2,000	N
M322C3	N	70	50	<200	1,000	N	200	N	>2,000	N
M323C3	N	70	N	700	300	N	150	N	>2,000	N
M325C3	N	100	>2,000	<200	1,000	N	500	N	>2,000	N
M327C3	N	20	N	3,000	200	N	200	N	2,000	N
M328C3	N	70	N	500	500	N	150	N	>2,000	N
M329C3	N	10	N	2,000	100	N	100	N	1,500	N
M338C3	N	30	>2,000	<200	150	150	700	N	>2,000	300
M339C3	N	30	>2,000	200	150	150	500	N	>2,000	<200
M340C3	N	30	>2,000	300	200	300	300	N	>2,000	500
M341C3	N	50	200	500	300	N	300	N	>2,000	N
M342C3	N	50	500	500	200	N	300	N	>2,000	N

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hadley quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M343C3	63 39 13	153 7 22	2.0	1.00	7.0	>2.00	1,000	N	N	N	500	5,000
M344C3	63 42 25	153 6 30	1.5	.50	.5	>2.00	700	N	N	N	3,000	700
M345C3	63 51 41	153 2 2	2.0	1.00	3.0	>2.00	1,000	N	N	N	1,000	1,000
M346C3	63 31 1	153 3 31	1.5	1.00	5.0	>2.00	700	N	N	N	500	700
M347C3	63 30 8	153 6 47	2.0	5.00	7.0	2.00	1,500	N	N	N	>5,000	2,000
M348C3	63 28 20	153 8 11	1.5	1.00	2.0	>2.00	700	N	N	N	>5,000	1,000
M349C3	63 29 32	153 13 42	2.0	.50	.3	>2.00	700	N	N	N	>5,000	1,500
M350C3	63 23 34	154 47 14	1.5	1.00	3.0	>2.00	500	N	N	N	5,000	2,000
M351C3	63 23 2	154 51 53	7.0	5.00	2.0	>2.00	1,000	15.0	N	N	>5,000	700
M352C3	63 23 0	154 52 15	5.0	.70	5.0	>2.00	5,000	N	N	N	3,000	>10,000
M353C3	63 26 39	154 57 42	5.0	5.00	7.0	>2.00	5,000	N	N	N	1,500	700
M354C3	63 25 13	154 57 50	1.5	.10	15.0	>2.00	1,500	N	N	N	700	1,000
M355C3	63 25 55	155 3 24	5.0	.20	5.0	2.00	2,000	<1.0	N	N	500	>10,000
M356C3	63 25 13	155 8 53	3.0	.15	7.0	>2.00	2,000	10.0	N	N	1,000	>10,000
M357C3	63 30 12	154 48 15	7.0	1.50	5.0	2.00	>10,000	N	N	N	1,000	5,000
M359C3	63 34 34	154 49 57	3.0	1.50	3.0	>2.00	2,000	N	N	N	>5,000	1,500
M360C3	63 32 51	154 58 31	1.5	.30	7.0	>2.00	10,000	N	N	200	1,500	700
M364C3	63 47 49	153 35 42	1.5	15.00	10.0	1.00	700	N	N	N	150	300
M365C3	63 47 26	153 33 33	10.0	7.00	10.0	2.00	10,000	N	N	N	150	>10,000
M367C3	63 50 29	153 34 31	1.5	10.00	10.0	.50	500	N	N	N	100	>10,000
M369C3	63 52 27	153 38 0	3.0	3.00	20.0	1.50	700	<1.0	N	N	200	>10,000
M370C3	63 56 36	153 40 1	3.0	5.00	10.0	2.00	1,000	N	N	N	200	>10,000
M372C3	63 58 20	153 31 25	5.0	1.50	10.0	1.00	1,000	N	N	N	1,000	>10,000
M373C3	63 59 18	153 36 7	3.0	1.50	20.0	.30	700	N	N	N	300	500
M374C3	63 59 46	153 40 4	5.0	.70	5.0	>2.00	700	N	N	N	500	2,000
M375C3	63 45 57	153 55 12	5.0	7.00	15.0	.20	1,000	N	N	N	1,500	>10,000
M377C3	63 51 40	153 47 23	2.0	1.50	20.0	.15	700	N	N	N	100	>10,000
M379C3	63 54 42	153 47 50	3.0	5.00	7.0	>2.00	700	N	N	N	700	>10,000
M380C3	63 55 19	153 47 16	3.0	.50	2.0	>2.00	500	N	N	N	200	7,000
M381C3	63 56 24	153 50 53	3.0	2.00	7.0	>2.00	500	N	N	N	500	2,000
M382C3	63 59 26	153 50 1	5.0	5.00	7.0	>2.00	700	N	N	N	200	2,000
M383C3	63 51 52	153 52 15	3.0	10.00	10.0	.20	1,000	N	N	N	<20	200
M384C3	63 50 59	153 53 12	3.0	10.00	10.0	.20	1,000	N	N	N	<20	150
M385C3	63 47 52	153 58 9	2.0	10.00	10.0	.20	700	N	N	N	<20	150
M386C3	63 45 50	154 30 17	5.0	2.00	5.0	>2.00	500	N	N	N	500	500
M387C3	63 47 17	154 36 22	3.0	.50	5.0	>2.00	700	N	N	N	300	>10,000
M388C3	63 47 37	154 35 40	2.0	.70	7.0	>2.00	500	N	N	N	700	700
M389C3	63 48 44	154 31 7	3.0	.70	7.0	>2.00	700	N	N	N	700	300
M390C3	63 50 23	154 33 35	1.5	5.00	5.0	>2.00	300	N	N	N	500	200
M391C3	63 49 26	154 38 8	2.0	.50	5.0	>2.00	500	N	N	N	500	10,000
M392C3	63 49 20	154 42 56	2.0	2.00	10.0	>2.00	500	N	N	N	150	>10,000
M393C3	63 51 21	154 45 24	2.0	.30	5.0	>2.00	700	N	N	N	500	7,000
M395C3	63 54 49	154 35 20	3.0	.50	2.0	>2.00	1,500	N	N	N	300	300
M396C3	63 54 51	154 34 2	2.0	.30	2.0	>2.00	700	N	N	N	300	200
M405C3	63 51 33	155 48 31	1.0	.15	.3	.20	300	N	N	N	20	>10,000

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrates sampled, Hadfield quadrangle, Alaska--Continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M343C3	<2	N	N	15	300	<10	70	N	70	20	200
M344C3	5	N	N	10	200	<10	200	N	100	N	500
M345C3	<2	N	N	N	300	N	150	N	100	N	<20
M346C3	<2	N	N	10	300	N	100	N	50	20	50
M347C3	<2	30	N	10	300	10	500	N	70	20	150
M348C3	3	N	N	<10	200	<10	500	N	50	N	50
M349C3	5	N	N	15	150	<10	300	N	50	<10	70
M350C3	<2	N	50	15	700	N	200	N	50	<10	50
M351C3	3	1,000	N	20	700	70	200	N	70	50	300
M352C3	3	N	N	20	150	70	150	N	50	70	70
M353C3	<2	N	N	30	300	100	150	N	70	150	30
M354C3	<2	N	N	10	700	N	1,500	N	<50	N	50
M355C3	3	N	N	20	200	150	200	N	<50	70	50
M356C3	<2	N	N	15	5,000	10	1,000	N	70	50	1,000
M357C3	2	<20	N	30	1,000	50	2,000	N	<50	70	100
M359C3	3	N	N	15	300	<10	1,500	N	150	70	50
M360C3	<2	30	N	10	150	<10	2,000	100	50	20	50
M361C3	<2	N	N	15	300	10	70	N	<50	10	<20
M362C3	3	N	N	20	700	30	700	30	<50	50	100
M367C3	<2	N	N	10	700	<10	<50	N	N	<10	<20
M369C3	2	N	N	15	500	30	150	N	<50	50	20
M370C3	2	N	N	20	1,500	N	200	N	70	100	<20
M372C3	2	N	N	20	100	30	70	N	70	30	<20
M373C3	5	N	N	15	150	<10	50	N	N	30	N
M374C3	7	N	N	20	200	300	300	N	70	10	50
M375C3	<2	N	N	30	1,500	<10	70	N	N	150	<20
M377C3	<2	N	N	30	150	20	200	N	N	50	<20
M379C3	3	N	N	20	1,500	<10	300	N	150	150	<20
M380C3	15	N	N	10	700	10	2,000	N	200	50	50
M381C3	5	N	N	20	1,000	<10	150	N	50	70	50
M382C3	<2	N	N	30	1,500	10	100	N	100	150	20
M383C3	N	N	N	30	2,000	<10	50	N	N	300	N
M384C3	N	N	N	30	2,000	<10	<50	N	N	300	N
M385C3	N	N	N	20	1,500	<10	150	N	N	200	<20
M386C3	5	N	N	15	200	<10	70	N	70	30	30
M387C3	<2	N	N	10	100	70	100	N	50	10	20
M388C3	<2	N	N	10	150	100	70	N	70	10	20
M389C3	2	N	N	15	150	500	200	N	100	15	30
M390C3	2	N	N	<10	200	<10	70	N	50	10	<20
M391C3	<2	N	N	10	200	150	70	N	70	10	<20
M392C3	<2	N	N	20	150	700	70	N	100	50	<20
M393C3	<2	N	N	20	200	150	100	N	100	N	50
M395C3	<2	N	N	15	500	<10	300	N	70	15	20
M396C3	<2	N	N	10	700	<10	70	<10	50	15	20
M405C3	<2	N	N	N	50	10	70	N	N	<10	50

Table 8.--*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedfra quadrangle, Alaska*--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-ZR
M343C3	N	30	200	500	200	<100	150	N	>2,000	N
M344C3	N	100	>2,000	<200	150	N	500	N	>2,000	N
M345C3	N	50	700	500	200	N	200	N	>2,000	N
M346C3	N	50	70	300	200	N	200	N	>2,000	N
M347C3	N	30	>2,000	300	300	300	300	N	>2,000	N
M348C3	N	70	100	300	150	N	500	N	>2,000	N
M349C3	N	50	50	<200	150	N	500	N	>2,000	N
M350C3	N	50	700	500	300	N	200	N	>2,000	N
M351C3	1,000	50	30	500	300	2,000	150	N	2,000	N
M352C3	N	30	20	1,000	200	100	200	N	1,000	N
M353C3	N	30	20	500	200	<100	200	N	700	N
M354C3	N	20	<20	1,500	150	N	700	N	>2,000	N
M355C3	N	20	20	500	150	100	300	N	1,500	N
M356C3	1,000	15	1,500	1,000	150	N	500	N	>2,000	N
M357C3	N	70	200	200	200	200	300	N	1,500	<200
M359C3	N	50	500	1,000	200	N	700	N	>2,000	500
M360C3	N	150	700	<200	150	1,000	700	N	>2,000	700
M364C3	N	30	<20	300	150	200	70	N	2,000	N
M365C3	N	20	700	2,000	150	150	200	N	1,500	N
M367C3	N	20	<20	700	100	N	70	N	>2,000	N
M369C3	N	30	<20	1,000	300	N	200	N	200	N
M370C3	N	70	N	200	500	N	200	1,000	300	N
M372C3	N	20	N	500	300	N	200	N	1,500	N
M373C3	N	15	N	300	200	N	20	N	100	N
M374C3	N	20	N	300	200	N	150	N	>2,000	N
M375C3	N	70	N	300	300	N	150	N	70	N
M377C3	N	30	N	1,500	200	N	500	N	300	N
M379C3	N	100	N	300	300	N	300	N	2,000	N
M380C3	N	20	50	<200	200	N	700	N	>2,000	N
M381C3	N	50	500	300	200	N	100	N	2,000	N
M382C3	N	70	N	200	300	N	100	N	2,000	N
M383C3	N	150	N	N	500	N	30	N	50	N
M384C3	N	150	N	<200	500	N	20	N	50	N
M385C3	N	100	N	<200	300	N	30	N	1,000	N
M386C3	N	30	N	300	300	N	70	N	700	N
M387C3	N	15	N	300	300	N	70	N	1,000	N
M388C3	N	15	N	300	300	N	100	N	500	N
M389C3	N	20	N	500	500	N	70	N	1,000	N
M390C3	N	15	N	200	200	N	50	N	300	N
M391C3	N	15	N	300	300	N	100	N	1,500	N
M392C3	N	15	N	500	300	N	100	N	2,000	N
M393C3	N	20	N	700	200	N	300	N	>2,000	N
M395C3	N	15	N	<200	200	N	50	N	200	N
M396C3	N	15	N	200	200	N	100	N	150	N
M405C3	N	<10	N	1,000	70	N	30	N	300	N

Table 8.--*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hulfra quadrangle, Alaska --continued*

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
MC13C3	63 58 5	155 34 58	5.0	<.05	.1	.05	20	N	N	N	<20	>10,000
MC15C3	63 59 42	155 32 31	1.5	.20	1.5	.15	700	N	N	N	<20	>10,000
MC16C3	63 49 49	155 18 38	10.0	2.00	3.0	>2.00	2,000	N	N	N	20	7,000
MC19C3	63 52 29	155 25 6	2.0	.50	1.5	>2.00	700	N	N	50	500	>10,000
MC20C3	63 52 29	155 24 34	3.0	5.00	5.0	1.00	1,000	N	N	N	100	5,000
MC22C3	63 56 10	155 24 58	2.0	3.00	5.0	.15	500	N	N	N	N	>10,000
MC23C3	63 46 5	155 21 47	5.0	5.00	3.0	>2.00	1,000	N	N	N	<20	5,000
MC29C3	63 56 12	155 36 37	1.5	.20	5.0	>2.00	300	N	N	N	1,000	5,000
MC30C3	63 54 0	155 35 46	.2	.07	.3	.10	70	N	N	N	N	>10,000
MC33C3	63 51 5	155 30 38	1.5	1.00	2.0	.30	500	N	N	N	700	>10,000
MC35C3	63 45 23	155 47 58	2.0	3.00	5.0	1.00	1,000	N	N	N	200	>10,000
MC32C3	63 48 25	155 37 45	1.5	.50	.7	.15	300	N	N	N	20	>10,000
MC38C3	63 49 28	155 28 30	5.0	.15	2.0	>2.00	500	N	N	N	1,000	>10,000
MC39C3	63 12 18	155 45 17	1.5	.30	.7	>2.00	200	N	N	N	1,500	>10,000
MC40C3	63 13 52	155 50 47	2.0	5.00	2.0	2.00	1,000	N	N	N	>5,000	5,000
MC41C3	63 15 42	155 51 1	1.5	2.00	2.0	>2.00	300	N	N	N	1,000	1,000
MC42C3	63 14 47	155 55 22	3.0	7.00	7.0	1.50	1,000	N	N	N	>5,000	10,000
MC43C3	63 14 59	155 54 51	2.0	3.00	3.0	>2.00	700	N	N	N	700	>10,000
MC44C3	63 10 21	155 51 33	3.0	7.00	5.0	.50	1,500	N	N	N	>5,000	1,500
MC46C3	63 43 17	155 27 5	1.5	.20	2.0	>2.00	300	N	N	N	500	5,000
MC47C3	63 48 35	155 31 20	.5	.15	1.0	.30	500	N	N	N	300	>10,000
MC50C3	63 46 49	155 38 32	3.0	10.00	7.0	.20	1,000	N	N	N	20	5,000
MC51C3	63 46 33	155 35 21	2.0	.30	1.0	.50	500	1.0	N	N	150	>10,000
MC52C3	63 44 56	155 28 51	7.0	.10	.7	2.00	300	N	<500	N	700	>10,000
MC53C3	63 43 27	155 31 44	1.0	.07	.3	2.00	150	N	N	N	500	10,000
MC56C3	63 40 30	155 46 5	3.0	7.00	10.0	1.00	1,000	N	N	N	30	10,000
MC57C3	63 40 35	155 47 0	3.0	7.00	10.0	.30	700	N	N	N	50	>10,000
MC59C3	63 42 18	155 51 33	3.0	10.00	10.0	.50	1,000	N	N	N	<20	5,000
MC60C3	63 40 38	155 50 1	3.0	7.00	10.0	.30	1,000	N	N	N	70	>10,000
MC64C3	63 33 18	155 46 3	1.5	1.50	7.0	1.50	1,000	N	N	N	150	7,000
MC65C3	63 33 30	155 46 33	2.0	5.00	5.0	1.00	1,000	N	N	N	20	>10,000
MC63C3	63 33 19	155 45 17	.7	.15	.1	.30	200	1.5	N	N	2,000	500
MC67C3	63 31 50	155 39 34	2.0	.70	.3	1.50	150	1.0	N	N	>5,000	500
MC68C3	63 55 38	154 39 50	1.5	.70	3.0	>2.00	200	N	N	N	700	1,000
MC69C3	63 57 58	154 41 28	3.0	.70	7.0	.30	700	N	N	N	100	500
MC71C3	63 57 16	154 53 39	1.5	2.00	1.5	.30	500	N	N	N	100	500
MC73C3	63 56 36	154 52 1	5.0	7.00	10.0	1.00	1,000	N	N	N	300	300
MC75C3	63 41 0	154 18 24	1.5	1.00	3.0	>2.00	700	N	N	N	5,000	7,000
MC76C3	63 40 56	154 18 3	3.0	7.00	5.0	.30	1,000	1.0	N	N	500	5,000
MC77C3	63 44 33	154 16 44	5.0	.50	5.0	2.00	700	N	N	N	70	3,000
MC80C3	63 40 20	153 52 35	2.0	2.00	7.0	.70	500	N	N	N	100	3,000
MC81C3	63 40 35	153 50 44	1.0	1.50	3.0	1.00	300	N	N	N	500	700
MC82C3	63 35 1	153 53 48	3.0	2.00	7.0	1.00	700	N	N	N	200	3,000
MC85C3	63 22 23	155 10 3	1.5	.70	10.0	.30	3,000	N	N	N	>5,000	200
MC87C3	63 24 33	155 16 51	.5	.15	15.0	.20	5,000	N	N	N	1,000	70

Table 8.--*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedfra quadrangle, Alaska*--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
MC13C3	<2	N	N	200	<20	200	50	N	N	1,500	<20
MC15C3	<2	N	N	15	20	10	<50	N	N	20	<20
MC16C3	<2	N	N	30	700	50	70	N	100	50	70
MC19C3	5	N	N	10	300	<10	150	N	70	N	150
MC20C3	2	N	N	20	700	<10	100	N	70	70	20
MC22C3	<2	N	N	15	1,000	<10	70	N	N	50	<20
MC23C3	<2	N	N	30	700	<10	70	N	50	50	30
MC29C3	N	N	N	N	100	50	200	N	70	N	10,000
MC30C3	<2	N	N	N	20	<10	70	N	N	<10	70
MC33C3	<2	N	N	30	200	20	70	N	N	10	20
MC35C3	3	N	N	20	200	<10	100	N	200	70	30
MC37C3	<2	N	N	10	100	15	50	N	N	20	<20
MC38C3	5	N	N	30	100	20	200	N	70	50	150
MC39C3	<2	N	N	<10	300	<10	500	N	100	<10	500
MC40C3	3	200	N	10	1,000	20	150	N	70	30	700
MC41C3	N	N	N	10	1,000	<10	700	N	150	<10	50
MC42C3	<2	N	N	30	2,000	<10	70	N	100	70	20
MC43C3	<2	N	N	20	1,500	<10	500	N	150	70	20
MC44C3	<2	N	N	30	2,000	<10	50	N	N	70	<20
MC46C3	3	N	N	N	300	<10	150	N	70	<10	150
MC47C3	<2	N	N	<10	200	<10	200	N	N	<10	<20
MC50C3	N	N	N	30	2,000	<10	<50	N	N	150	N
MC51C3	<2	N	N	15	150	30	70	N	N	50	20
MC52C3	<2	N	100	50	70	70	150	N	150	200	100
MC53C3	<2	N	N	10	300	<10	500	N	200	N	150
MC56C3	<2	N	N	30	1,500	<10	70	N	N	150	<20
MC57C3	<2	N	N	50	1,500	70	<50	N	N	150	N
MC59C3	<2	N	N	30	2,000	<10	<50	N	N	150	<20
MC60C3	<2	N	N	50	1,500	10	100	N	N	100	<20
MC64C3	<2	N	N	15	1,000	<10	300	N	50	20	N
MC65C3	<2	N	N	20	1,500	<10	100	N	N	70	N
MC66C3	<2	30	N	N	150	30	N	N	50	<10	150
MC67C3	2	70	N	N	150	50	70	N	100	10	150
MC68C3	<2	N	N	10	100	<10	<50	N	150	10	70
MC69C3	<2	N	N	15	150	<10	50	N	N	20	<20
MC71C3	5	N	N	15	700	N	N	N	N	50	N
MC73C3	<2	N	N	20	1,000	N	50	N	N	50	<20
MC75C3	N	N	N	15	700	N	150	N	70	<10	30
MC76C3	<2	N	N	30	2,000	<10	500	N	<50	70	<20
MC77C3	<2	N	N	30	100	70	200	N	<50	70	300
MC80C3	<2	N	N	20	1,000	<10	150	N	<50	100	20
MC81C3	<2	N	N	10	300	N	100	N	N	N	<20
MC82C3	2	N	N	15	150	20	70	N	N	20	<20
MC85C3	N	N	N	10	200	<10	>2,000	N	N	<10	30
MC87C3	N	N	N	N	70	N	>2,000	N	N	<10	<20

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedfra quadrangle, Alaska--continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
MC13C3	N	<10	N	1,000	<20	N	N	<500	20	N
MC15C3	N	10	N	1,000	150	N	20	N	30	N
MC16C3	N	70	1,500	200	700	N	150	N	>2,000	N
MC19C3	N	50	100	500	300	N	500	N	>2,000	N
MC20C3	N	50	200	200	100	N	300	N	>2,000	N
MC22C3	N	50	N	5,000	100	N	30	N	500	N
MC23C3	N	50	>2,000	300	500	N	150	N	>2,000	N
MC29C3	N	100	N	<200	1,000	100	300	N	>2,000	N
MC30C3	N	<10	70	2,000	50	N	20	N	100	N
MC33C3	N	20	N	2,000	100	N	30	1,000	700	N
MC35C3	N	30	N	500	150	N	70	N	2,000	N
MC37C3	N	10	N	1,000	100	N	20	N	100	N
MC38C3	N	30	>2,000	1,000	200	N	500	N	>2,000	N
MC39C3	15,000	30	>2,000	1,000	200	N	150	N	>2,000	N
MC40C3	2,000	50	>2,000	300	300	200	70	N	2,000	N
MC41C3	N	30	1,500	500	500	N	150	N	>2,000	N
MC42C3	1,000	50	500	200	700	150	50	N	1,500	N
MC43C3	N	30	1,000	1,000	500	N	70	N	1,500	N
MC44C3	N	50	500	<200	700	N	20	N	150	N
MC46C3	N	30	700	200	700	N	200	N	>2,000	N
MC47C3	N	<10	N	1,500	50	N	100	N	2,000	N
MC50C3	N	100	200	<200	200	N	<20	N	500	N
MC51C3	N	10	N	1,500	70	N	30	N	500	N
MC52C3	N	20	20	500	150	N	150	1,000	>2,000	N
MC53C3	N	15	<20	2,000	500	N	100	N	>2,000	N
MC56C3	N	100	N	700	300	N	70	N	1,000	N
MC57C3	N	100	N	700	200	N	30	N	300	N
MC59C3	N	100	N	<200	200	N	20	N	700	N
MC60C3	N	50	N	700	150	N	70	N	1,500	N
MC61C3	N	20	N	700	150	N	300	N	>2,000	N
MC65C3	N	50	100	500	150	N	150	N	>2,000	N
MC66C3	N	15	>2,000	<200	100	1,000	<20	N	200	N
MC67C3	N	20	>2,000	200	150	500	50	N	1,000	N
MC68C3	N	15	>2,000	200	500	N	70	N	700	N
MC69C3	N	15	500	1,000	150	N	20	N	1,000	N
MC71C3	N	50	>2,000	<200	70	N	700	N	>2,000	N
MC73C3	N	100	500	300	500	N	100	N	>2,000	N
MC75C3	N	70	200	<200	300	N	500	N	>2,000	N
MC76C3	N	30	200	<200	300	N	70	N	>2,000	N
MC77C3	N	20	1,500	700	200	N	150	N	>2,000	N
MC80C3	N	30	100	1,000	200	N	200	N	>2,000	N
MC81C3	N	20	1,500	<200	150	N	300	N	>2,000	N
MC82C3	N	15	70	300	300	N	50	N	200	N
MC85C3	N	20	100	N	50	500	700	N	>2,000	700
MC87C3	N	10	20	N	30	100	2,000	N	>2,000	500

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedley quadrangle, Alaska--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
MC88C3	63 25 52	155 32 1	1.0	.30	10.0	>2.00	300	N	N	N	500	5,000
MC95C3	63 31 45	154 55 51	3.0	1.50	10.0	1.50	1,000	N	N	N	100	1,000
MS01C3	63 34 58	156 43 36	1.5	.20	5.0	>2.00	300	N	N	N	1,000	3,000
MS05C3	63 40 3	154 35 19	2.0	.50	3.0	>2.00	500	N	N	N	200	5,000
MS07C3	63 43 12	153 29 43	1.5	1.00	5.0	.30	700	N	N	N	700	>10,000
MS08C3	63 44 0	153 27 59	5.0	3.00	10.0	.70	1,000	N	N	N	500	3,000
MS11C3	63 41 26	153 39 10	3.0	1.50	5.0	.15	700	N	N	N	300	500
MS14C3	63 27 15	153 51 2	.5	.20	1.0	.50	200	N	N	N	70	>10,000
MS15C3	63 28 56	153 58 24	.7	5.00	7.0	1.50	200	N	N	N	1,000	>10,000
MS16C3	63 24 10	153 59 46	5.0	2.00	7.0	.20	1,000	N	N	N	150	700

Table 8.--Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Hedia quadrangle, Alaska--continued

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M488C3	<2	200	N	10	300	N	700	N	100	N	1,000
M495C3	<2	N	N	10	150	N	70	N	50	50	20
M503C3	<2	N	N	<10	100	<10	100	N	100	<10	100
M505C3	<2	N	N	15	100	<10	150	N	50	15	30
M507C3	2	N	N	<10	70	<10	700	N	<50	<10	30
M508C3	2	N	N	15	150	<10	100	N	<50	10	<20
M511C3	<2	N	N	15	70	<10	<50	N	N	20	N
M514C3	<2	N	N	<10	70	<10	700	N	N	<10	N
M515C3	<2	N	N	<10	50	<10	100	N	N	N	20
M516C3	<2	N	N	30	700	20	150	N	N	100	20

Table 8.—*Semiquantitative spectrographic analyses of nonmagnetic heavy-mineral concentrate samples, Medfra quadrangle, Alaska*—continued

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M488C3	N	30	30	300	300	150	200	N	>2,000	N
M495C3	N	20	100	300	300	N	100	N	1,500	N
M503C3	N	20	70	1,000	200	N	150	N	2,000	N
M505C3	N	15	50	700	500	N	50	N	1,000	N
M507C3	N	<10	30	300	70	N	30	N	1,000	N
M508C3	N	15	<20	500	150	N	50	N	1,500	N
M511C3	N	10	300	300	100	N	30	N	>2,000	N
M514C3	N	10	50	1,000	50	N	30	N	1,000	N
M515C3	N	15	20	700	150	N	100	N	>2,000	200
M516C3	N	50	N	500	150	N	30	N	1,000	N

Table 9.--*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska*

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M004M	63 9 43	154 56 2	>5	2.0	1.00	>10,000	<.1	N	N	100	2,000	3
M005M	63 12 54	154 55 26	>5	2.0	1.00	3,000	.5	N	N	100	1,000	3
M006M	63 11 0	154 50 5	>5	2.0	>1.00	7,000	<.1	N	N	100	1,500	3
M007M	63 12 34	154 51 16	>5	1.0	.10	>10,000	N	N	N	150	3,000	2
M008M	63 12 36	154 45 48	>5	3.0	1.00	7,000	1.5	2,000	N	100	2,000	3
M009M	63 14 58	154 40 45	>5	3.0	.70	7,000	1.0	N	N	100	2,000	3
M010M	63 15 37	154 38 43	>5	3.0	1.00	7,000	1.5	N	N	150	3,000	3
M011M	63 18 13	154 32 49	>5	3.0	.70	7,000	.1	N	N	150	1,500	2
M012M	63 17 52	154 31 41	>5	5.0	.70	5,000	.1	N	N	150	700	3
M013M	63 18 25	154 28 52	>5	3.0	1.00	10,000	<.1	N	N	150	3,000	3
M014M	63 17 13	154 28 33	>5	3.0	1.00	5,000	<.1	N	N	150	1,500	3
M016M	63 20 23	154 20 30	>5	3.0	1.00	2,000	.1	N	N	150	1,500	3
M017M	63 22 33	154 26 19	>5	3.0	.70	>10,000	<.1	N	N	150	3,000	3
M019M	63 22 34	154 20 50	>5	5.0	.70	10,000	.1	N	N	200	2,000	2
M021M	63 26 11	154 53 30	>5	3.0	1.00	10,000	.1	N	N	150	3,000	2
M022M	63 26 49	155 1 23	>5	3.0	1.00	10,000	.1	500	N	200	2,000	10
M023M	63 27 37	155 3 56	5	2.0	.70	10,000	1.0	N	N	150	2,000	5
M024M	63 28 32	155 6 16	5	2.0	.70	10,000	.2	N	N	150	3,000	5
M025M	63 31 50	155 9 17	>5	2.0	1.00	5,000	.3	N	N	150	2,000	3
M026M	63 33 53	155 3 27	>5	2.0	>1.00	7,000	.2	N	N	150	3,000	3
M027M	63 32 43	155 0 30	>5	2.0	1.00	7,000	.2	N	N	150	3,000	5
M029M	63 30 19	154 56 45	>5	2.0	>1.00	10,000	.1	N	N	150	5,000	5
M030M	63 28 24	154 52 33	>5	2.0	.70	10,000	.2	N	N	150	2,000	2
M031M	63 25 8	154 52 1	>5	3.0	1.00	5,000	1.5	500	N	200	1,500	2
M033M	63 27 46	154 44 35	>5	2.0	.50	5,000	1.0	N	N	200	3,000	3
M034M	63 27 29	154 38 14	>5	3.0	.70	5,000	2.0	N	N	300	3,000	3
M036M	63 25 13	154 39 6	>5	3.0	.70	>10,000	1.0	N	N	300	5,000	3
M037M	63 26 24	154 34 37	>5	2.0	1.00	10,000	2.0	N	N	200	3,000	5
M038M	63 25 52	154 30 10	>5	2.0	1.00	3,000	.5	N	N	200	3,000	3
M039M	63 28 38	154 30 35	>5	2.0	.70	3,000	1.0	N	N	200	3,000	3
M041M	63 27 5	154 33 24	>5	2.0	1.00	5,000	2.0	1,000	N	200	2,000	5
M042M	63 31 11	154 23 6	>5	2.0	.70	2,000	1.5	N	N	200	3,000	5
M043M	63 29 37	154 38 2	>5	1.0	.15	1,000	.5	3,000	N	100	700	3
M044M	63 30 49	154 30 9	>5	2.0	.50	5,000	2.0	<200	N	300	1,500	5
M045M	63 31 9	154 36 18	>5	2.0	.70	5,000	3.0	3,000	N	300	1,500	10
M046M	63 32 9	154 42 4	>5	2.0	1.00	7,000	.5	N	N	200	3,000	5
M047M	63 33 37	154 38 11	>5	2.0	.70	2,000	1.5	500	N	300	1,500	5
M048M	63 35 34	154 38 36	>5	1.0	.70	5,000	.1	2,000	N	200	2,000	3
M049M	63 33 43	154 39 1	>5	2.0	1.00	5,000	.5	<200	N	200	3,000	3
M050M	63 31 58	154 26 20	>5	2.0	1.00	7,000	.1	N	N	200	3,000	3
M051M	63 34 54	154 28 22	>5	2.0	1.00	10,000	1.0	N	N	300	5,000	5
M053M	63 34 5	154 29 12	>5	2.0	.20	>10,000	<.1	<200	N	300	2,000	3
M054M	63 35 14	154 16 18	>5	3.0	1.00	>10,000	2.0	<200	N	200	3,000	5
M055M	63 34 58	154 21 18	>5	3.0	1.00	10,000	1.0	N	N	300	3,000	5
M056M	63 37 43	154 12 46	>5	3.0	1.00	5,000	.5	N	N	300	3,000	5

Table 9.--*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfira quadrangle, Alaska*--continued

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SN
MD04M	N	2	50	70	50	50	N	<20	50	20	N	10
MD05M	N	<1	30	70	50	50	N	20	50	20	N	N
MD06M	N	<1	50	100	30	70	N	20	70	15	N	N
MD07M	N	10	500	50	200	50	N	<20	100	15	N	N
MD08M	N	5	50	100	200	100	N	<20	100	30	N	5
MD09M	N	2	50	100	200	50	N	<20	100	20	N	5
MD10M	N	5	50	100	200	50	N	<20	100	20	N	N
MD11M	N	5	30	70	50	50	N	<20	100	20	N	N
MD12M	N	3	30	200	150	50	N	<20	100	20	N	N
MD13M	N	N	30	200	100	50	N	<20	100	20	N	N
MD14M	N	30	30	100	70	50	N	<20	100	20	N	N
MD16M	N	<1	30	100	100	50	N	<20	100	20	N	N
MD17M	N	<1	30	70	100	50	N	<20	100	20	N	N
MD19M	N	<1	30	200	100	50	N	<20	100	20	N	N
MD21M	N	<1	30	200	100	50	N	<20	200	20	N	N
MD22M	N	5	50	100	200	50	N	<20	500	20	N	N
MD23M	N	5	30	200	70	100	N	<20	150	20	N	N
MD24M	N	2	30	200	50	200	N	<20	150	30	N	N
MD25M	N	2	30	200	70	50	N	<20	150	20	N	N
MD26M	N	2	30	200	100	50	N	<20	150	20	N	N
MD27M	N	5	30	150	70	70	N	<20	150	20	N	N
MD29M	N	5	30	100	150	100	N	<20	100	20	N	5
MD30M	N	5	50	150	150	50	N	<20	200	20	N	N
MD31M	N	2	50	300	150	50	N	20	200	20	N	N
MD33M	N	N	50	100	100	30	N	20	150	15	N	N
MD34M	N	5	30	300	100	50	N	20	150	50	N	5
MD36M	N	3	50	100	200	50	N	20	100	20	N	7
MD37M	N	20	50	200	100	50	N	20	200	70	N	10
MD38M	N	1	30	150	100	50	N	20	100	20	N	N
MD39M	N	2	30	100	100	50	N	20	100	30	N	5
MD41M	N	20	30	100	150	50	N	20	100	100	N	10
MD42M	N	2	30	70	150	50	N	20	100	30	N	5
MD43M	N	2	20	70	100	50	N	20	100	15	N	N
MD44M	N	5	30	70	1,000	150	N	<20	100	70	N	5
MD45M	N	5	50	100	1,000	100	N	20	300	20	N	10
MD46M	N	2	50	100	150	150	N	<20	100	20	N	<5
MD47M	N	5	30	100	200	100	N	20	100	50	N	<5
MD48M	N	2	50	100	150	50	N	20	100	20	N	N
MD49M	N	1	50	200	150	100	N	20	150	30	N	N
MD50M	N	1	30	200	100	100	N	20	100	20	N	<5
MD51M	N	2	50	200	200	70	N	20	150	30	N	5
MD53M	N	5	30	100	200	50	N	20	50	20	N	7
MD54M	N	1	50	300	150	70	N	20	100	20	N	7
MD55M	N	3	50	100	300	100	N	20	100	30	N	10
MD56M	N	3	30	150	150	70	N	20	100	20	N	5

Table 9.--*Semiquantitative spectrographic analyses of ash of aquatic bryophytes, Nadfra quadrangle, Alaska--continued*

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-MAR	S-GA	S-GE	S-IN	S-TL
M004M	500	300	N	20	500	1,000	.3	N	N	N	N
M005M	500	300	N	20	500	700	.3	N	N	N	N
M006M	500	300	N	50	500	700	.3	N	N	N	N
M007M	300	500	N	30	2,000	1,000	.3	N	N	N	N
M008M	500	500	N	70	1,000	500	.3	N	N	N	N
M009M	500	300	N	50	1,500	500	.3	N	N	N	N
M010M	500	300	N	50	1,000	700	.5	N	N	N	N
M011M	300	300	N	50	1,000	500	.2	N	N	N	N
M012M	200	200	N	50	2,000	500	.5	N	N	N	N
M013M	500	300	N	50	500	700	.3	N	N	N	N
M014M	300	300	N	50	2,000	700	.3	N	N	N	N
M016M	300	300	N	50	1,000	700	.3	N	N	N	N
M017M	300	300	N	50	1,000	500	.3	N	N	N	N
M019M	300	300	N	50	1,000	500	.3	N	N	N	N
M021M	500	500	N	50	1,000	700	.3	N	N	N	N
M022M	500	500	N	150	2,000	500	.2	N	N	N	N
M023M	500	300	N	100	2,000	500	.5	N	N	N	N
M024M	500	300	N	150	1,000	1,000	.5	N	N	N	N
M025M	500	300	N	50	1,000	500	.2	N	N	N	N
M026M	500	500	N	100	1,000	500	.3	N	N	N	N
M027M	700	300	N	70	2,000	500	.3	N	N	N	N
M029M	700	300	N	100	1,000	700	.5	N	N	N	N
M030M	500	300	N	30	1,000	200	.3	N	N	N	N
M031M	700	500	N	50	1,500	700	.5	N	N	N	N
M033M	500	300	N	30	1,500	500	.3	N	N	N	N
M034M	1,000	500	N	50	2,000	500	.3	N	N	N	N
M036M	1,000	500	N	50	1,500	500	.5	N	N	N	N
M037M	700	500	N	50	3,000	500	.3	N	N	N	N
M038M	700	500	N	50	1,000	500	.3	N	N	N	N
M039M	700	500	N	50	2,000	500	.3	N	N	N	N
M041M	700	500	N	50	3,000	500	.3	<2	N	N	N
M042M	700	500	N	20	1,500	200	.3	2	N	N	N
M043M	500	500	N	50	1,500	150	.3	N	N	N	N
M044M	1,000	300	N	200	1,500	200	.3	N	N	N	N
M045M	500	300	N	100	2,000	300	.3	N	N	N	N
M046M	500	500	N	70	1,500	700	.3	N	N	N	N
M047M	500	500	N	70	1,500	500	.3	N	N	N	N
M048M	500	500	N	50	2,000	500	.3	N	N	N	N
M049M	700	500	N	70	1,000	1,000	.3	N	N	N	N
M050M	700	500	N	50	1,000	700	.3	N	N	N	N
M051M	700	1,000	N	100	1,500	700	.3	N	N	N	N
M053M	700	200	N	20	1,000	500	.5	N	N	N	N
M054M	700	700	N	50	1,000	1,000	.3	N	N	N	N
M055M	700	500	N	70	1,500	500	.5	N	N	N	N
M056M	700	300	N	50	1,500	500	.2	N	N	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Nedfia quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M057M	63 37 2	156 14 32	>5	3.0	1.00	7,000	1.0	1,000	N	300	5,000	5
M059M	63 39 56	156 12 28	5	2.0	.70	>10,000	.3	N	N	200	3,000	3
M060M	63 40 18	156 20 1	>5	2.0	.70	>10,000	.5	N	N	200	5,000	3
M061M	63 41 39	156 16 42	>5	2.0	1.00	10,000	.2	N	N	150	3,000	3
M062M	63 40 32	156 26 36	>5	2.0	1.00	5,000	1.0	N	N	200	3,000	3
M063M	63 39 4	156 25 43	>5	2.0	1.00	7,000	1.0	N	N	300	5,000	3
M064M	63 43 2	156 33 19	>5	2.0	1.00	7,000	.5	N	N	150	3,000	3
M065M	63 37 38	156 29 28	>5	2.0	1.00	10,000	.5	N	N	200	3,000	3
M066M	63 42 48	156 29 50	>5	2.0	1.00	5,000	.5	N	N	200	3,000	5
M067M	63 5 28	156 47 28	>5	2.0	.50	>10,000	1.0	500	N	200	3,000	5
M069M	63 6 2	156 53 9	>5	1.5	1.00	5,000	1.0	N	N	200	2,000	5
M070M	63 6 0	156 51 24	>5	2.0	1.00	7,000	1.0	N	N	200	2,000	3
M071M	63 2 57	156 55 16	>5	2.0	.50	5,000	.2	200	N	150	3,000	2
M072M	63 5 29	156 56 0	5	1.5	1.00	7,000	.5	N	N	150	2,000	3
M073M	63 3 8	155 3 47	>5	1.5	.50	10,000	1.0	500	N	100	2,000	3
M074M	63 1 31	156 58 32	>5	2.0	.70	5,000	1.0	N	N	200	1,500	3
M075M	63 0 17	155 15 14	>5	2.0	1.00	3,000	.5	N	N	150	2,000	3
M077M	63 0 8	155 26 0	>5	2.0	1.00	10,000	1.0	N	N	200	2,000	3
M078M	63 1 15	155 39 34	>5	1.5	1.00	5,000	1.0	N	N	100	2,000	3
M081M	63 24 11	155 25 54	>5	1.5	.50	7,000	.5	N	N	150	1,000	5
M083M	63 27 42	155 24 9	>5	2.0	.70	7,000	1.0	N	N	200	3,000	3
M086M	63 24 23	155 35 19	>5	2.0	>1.00	3,000	1.0	N	N	150	3,000	5
M087M	63 28 1	155 35 6	>5	1.5	1.00	5,000	1.0	N	N	200	3,000	3
M088M	63 23 8	155 34 29	5	2.0	.50	5,000	.7	N	N	200	1,500	10
M089M	63 23 31	155 38 24	>5	2.0	1.00	5,000	.5	N	N	200	2,000	5
M090M	63 22 23	155 38 16	>5	2.0	1.00	5,000	.5	N	N	200	2,000	5
M091M	63 20 12	155 37 55	>5	2.0	.70	2,000	.5	N	N	200	1,500	5
M092M	63 19 37	155 33 15	>5	1.5	1.00	3,000	1.0	N	N	200	1,500	7
M093M	63 18 10	155 30 40	>5	1.5	1.00	5,000	1.0	N	N	200	3,000	5
M094M	63 19 35	155 22 26	>5	2.0	1.00	5,000	1.5	N	N	150	5,000	5
M095M	63 17 2	155 37 50	>5	1.0	1.00	2,000	.5	N	N	150	2,000	3
M097M	63 16 56	155 42 15	>5	3.0	1.00	5,000	.5	N	N	200	3,000	3
M100M	63 0 40	155 49 28	5	2.0	1.00	5,000	.5	N	N	150	2,000	3
M102M	63 2 59	155 54 52	>5	2.0	1.00	7,000	.5	N	N	200	3,000	3
M103M	63 5 20	155 48 8	>5	2.0	.50	>10,000	.5	N	N	200	5,000	3
M104M	63 5 3	155 56 8	>5	2.0	1.00	7,000	1.0	N	N	200	5,000	3
M105M	63 4 53	155 52 12	>5	2.0	1.00	10,000	.5	N	N	200	5,000	3
M110M	63 16 10	155 55 20	>5	2.0	.50	3,000	1.0	N	N	150	5,000	5
M111M	63 13 15	155 59 44	5	2.0	.70	5,000	.5	N	N	200	1,000	5
M114M	63 20 24	155 55 46	5	2.0	.70	3,000	1.0	N	N	150	3,000	3
M116M	63 20 41	155 46 45	>5	2.0	1.00	3,000	.7	N	N	150	3,000	3
M118M	63 20 23	155 46 33	5	2.0	.70	3,000	.5	N	N	200	2,000	3
M120M	63 23 33	155 46 20	>5	2.0	>1.00	7,000	.2	N	N	200	3,000	3
M121M	63 22 36	155 49 39	>5	2.0	.70	3,000	.5	N	N	200	2,000	3
M124M	63 26 23	155 42 31	5	2.0	1.00	5,000	.5	N	N	200	2,000	3

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska--continued

Sample	B-BI	B-CD	B-CO	B-CR	B-CU	B-LA	B-MO	B-NB	B-NI	B-PB	B-SB	B-SN
M057M	N	2	30	200	150	70	N	20	100	50	N	7
M059M	N	10	150	100	150	50	N	20	100	20	N	N
M060M	N	20	200	100	150	70	N	20	200	20	N	N
M061M	N	1	50	150	100	70	N	20	150	20	N	<5
M062M	N	<1	30	150	100	70	N	20	100	30	N	<5
M063M	N	<1	30	100	150	50	N	20	100	30	N	<5
M064M	N	<1	100	100	150	100	N	20	100	20	N	<5
M065M	N	<1	50	200	150	100	N	20	150	20	N	<5
M066M	N	<1	30	100	150	70	N	20	100	20	N	N
M067M	N	20	100	100	200	70	N	20	100	20	N	5
M069M	N	10	30	100	200	70	N	20	50	30	N	10
M070M	N	5	30	70	200	70	N	20	50	30	N	5
M071M	N	<1	30	70	150	50	N	20	100	20	N	N
M072M	N	2	30	50	70	70	N	20	50	20	N	<5
M073M	N	5	50	50	200	50	N	20	50	20	N	<5
M074M	N	<1	50	70	100	50	N	20	70	30	N	5
M075M	N	<1	50	100	100	50	N	20	100	20	N	N
M077M	N	<1	50	70	100	50	N	20	50	30	N	N
M078M	N	<1	50	70	100	50	N	20	50	20	N	N
M081M	N	5	50	70	150	50	N	20	70	20	N	N
M083M	N	1	50	70	100	50	N	20	70	30	N	N
M086M	N	<1	50	150	100	100	N	20	70	30	N	N
M087M	N	<1	50	150	100	50	N	20	70	20	N	N
M088M	N	<1	30	70	150	50	N	20	50	20	N	N
M089M	N	<1	50	100	100	100	N	20	70	20	N	N
M090M	N	<1	50	100	100	100	N	20	70	20	N	N
M091M	N	2	30	100	150	50	N	20	70	30	N	N
M092M	N	<1	30	100	100	70	N	20	50	20	N	N
M093M	N	<1	30	100	100	70	N	20	50	30	N	20
M096M	N	2	50	100	200	50	N	20	70	30	N	N
M095M	N	2	50	70	100	100	N	20	50	20	N	N
M097M	N	2	30	200	200	50	N	20	70	20	N	N
M100M	N	1	30	70	100	50	N	20	50	20	N	N
M102M	N	1	50	70	200	100	N	20	70	20	N	N
M103M	N	2	200	70	200	50	N	20	70	20	N	N
M104M	N	<1	50	200	150	50	N	20	70	20	N	N
M105M	N	<1	30	70	200	50	N	20	50	30	N	N
M110M	N	2	50	70	500	50	N	20	100	30	N	N
M111M	N	2	50	300	100	50	N	<20	70	50	N	N
M116M	N	1	30	150	70	50	N	<20	100	20	N	N
M118M	N	N	30	200	70	70	N	<20	100	20	N	N
M120M	N	N	30	200	100	50	N	<20	100	20	N	N
M121M	N	N	50	200	100	70	N	20	100	20	N	N
M124M	N	<1	30	150	100	50	N	<20	100	20	N	N

Table 9.--*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska*--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-MAT	S-GA	S-GE	S-IN	S-TL
M057M	700	500	N	50	1,000	700	.5	N	N	N	N
M059M	1,000	500	N	70	1,500	300	5.0	N	N	N	N
M060M	1,000	500	N	70	2,000	500	3.0	N	N	N	N
M061M	700	500	N	50	1,000	300	3.0	N	N	N	N
M062M	700	300	N	50	1,000	300	5.0	N	N	N	N
M063M	1,000	500	N	100	1,000	300	5.0	N	N	N	N
M064M	500	500	N	70	1,500	500	3.0	N	N	N	N
M065M	700	500	N	100	1,000	500	3.0	N	N	N	N
M066M	700	500	N	70	1,000	300	3.0	N	N	N	N
M067M	700	500	N	100	1,500	300	3.0	N	N	N	N
M069M	700	500	N	100	2,000	300	3.0	N	N	N	N
M070M	700	500	N	50	1,500	200	5.0	N	N	N	N
M071M	700	300	N	30	1,500	200	5.0	N	N	N	N
M072M	700	500	N	50	1,000	500	3.0	N	N	N	N
M073M	500	500	N	50	1,000	200	3.0	N	N	N	N
M074M	700	300	N	50	1,000	200	.3	N	N	N	N
M075M	500	300	N	50	500	500	.3	N	N	N	N
M077M	500	300	N	50	1,000	700	.3	N	N	N	N
M078M	700	300	N	50	1,000	700	.5	N	N	N	N
M081M	700	500	N	50	1,000	300	.3	N	N	N	N
M083M	500	300	N	50	1,000	500	.3	N	N	N	N
M086M	700	300	N	70	1,000	700	.3	N	N	N	N
M087M	500	500	N	50	1,500	500	.3	N	N	N	N
M088M	700	300	N	50	1,000	300	.3	N	N	N	N
M089M	500	300	N	50	1,500	500	.3	N	N	N	N
M090M	700	500	N	50	1,000	700	.5	N	N	N	N
M091M	700	500	N	50	1,500	500	.5	N	N	N	N
M092M	700	500	N	50	1,000	500	3.0	N	N	N	N
M093M	700	500	N	50	1,000	700	.5	N	N	N	N
M094M	700	500	N	70	1,500	700	.5	N	N	N	N
M095M	500	500	N	70	1,000	700	.5	N	N	N	N
M097M	700	300	N	70	2,000	500	.3	N	N	N	N
M100M	500	300	N	30	1,000	500	.3	N	N	N	N
M102M	500	500	N	70	1,500	500	.5	N	N	N	N
M103M	500	500	N	50	1,500	1,000	.5	N	N	N	N
M104M	700	300	N	50	1,000	700	.5	N	N	N	N
M105M	500	500	N	70	1,500	700	.5	N	N	N	N
M110M	500	300	N	70	1,500	200	.5	N	N	N	N
M111M	500	200	N	50	1,000	300	.3	N	N	N	N
M114M	500	300	N	50	1,000	300	.3	N	N	N	N
M116M	500	500	N	50	1,000	300	.3	N	N	N	N
M118M	300	500	N	50	1,000	500	.3	N	N	N	N
M120M	300	500	N	70	1,000	500	.5	N	N	N	N
M121M	300	300	N	50	1,000	500	.3	N	N	N	N
M124M	300	500	N	50	1,000	500	.3	N	N	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfin quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M125M	63 28 13	155 44 59	>5	2.0	.70	10,000	.2	N	N	200	3,000	5
M126M	63 26 13	155 42 31	>5	2.0	1.00	5,000	.5	N	N	150	3,000	5
M127M	63 29 9	155 57 50	5	2.0	.70	5,000	.2	N	N	200	3,000	5
M128M	63 26 10	155 59 34	>5	2.0	1.00	10,000	.2	N	N	200	3,000	5
M129M	63 29 42	155 46 23	>5	3.0	.50	7,000	2.0	700	N	200	3,000	5
M130M	63 25 52	155 59 37	>5	2.0	1.00	5,000	.5	N	N	200	3,000	5
M132M	63 29 6	155 53 23	>5	2.0	.70	5,000	.5	N	N	200	3,000	5
M136M	63 29 16	155 37 5	>5	2.0	1.00	10,000	.7	300	N	200	2,000	5
M137M	63 56 26	155 3 5	5	2.0	1.00	>10,000	N	N	N	200	3,000	5
M144M	63 57 8	155 19 31	>5	2.0	1.00	5,000	.2	N	N	200	3,000	5
M145M	63 58 27	155 16 37	>5	2.0	1.00	10,000	N	N	N	100	2,000	5
M146M	63 56 44	155 12 11	>5	2.0	1.00	10,000	N	N	N	200	2,000	5
M147M	63 56 32	155 11 29	>5	2.0	1.00	>10,000	N	N	N	150	5,000	5
M148M	63 57 25	155 10 16	>5	2.0	1.00	>10,000	N	N	N	150	2,000	5
M150M	63 31 30	154 14 54	5	2.0	1.00	5,000	.2	N	N	150	2,000	5
M151M	63 33 15	154 13 27	>5	1.0	.70	10,000	N	200	N	150	2,000	5
M152M	63 33 22	154 11 46	5	2.0	.70	>10,000	.5	N	N	200	2,000	5
M153M	63 34 28	154 10 0	5	2.0	.70	5,000	.5	N	N	200	2,000	5
M154M	63 33 51	154 2 47	5	3.0	.50	2,000	.5	N	N	150	1,000	5
M155M	63 34 14	154 6 5	5	3.0	.70	10,000	.2	N	N	200	1,500	5
M160M	63 31 26	154 2 6	5	2.0	1.00	5,000	.5	N	N	200	2,000	5
M162M	63 34 57	153 54 28	>5	2.0	.70	>10,000	.5	N	N	200	3,000	5
M163M	63 43 21	153 54 38	>5	2.0	1.00	10,000	N	N	N	200	2,000	5
M165M	63 44 51	153 55 24	5	1.5	1.00	5,000	.2	N	N	150	1,000	5
M168M	63 45 50	153 47 48	>5	2.0	.50	10,000	N	N	N	200	3,000	5
M169M	63 39 26	153 44 39	5	2.0	1.00	2,000	.2	N	N	150	1,500	5
M170M	63 41 23	153 43 42	>5	2.0	>1.00	5,000	.5	N	N	200	2,000	5
M171M	63 7 38	155 8 42	>5	2.0	1.00	3,000	.5	200	N	200	2,000	5
M173M	63 9 21	155 11 33	>5	3.0	.70	7,000	1.0	N	N	200	2,000	5
M175M	63 16 47	156 52 45	>5	5.0	.70	10,000	1.0	N	N	200	2,000	5
M176M	63 16 45	154 53 31	>5	2.0	.30	10,000	.2	N	N	150	1,500	5
M177M	63 17 29	154 46 44	>5	2.0	.70	10,000	.2	N	N	200	1,000	5
M179M	63 20 32	154 41 28	>5	2.0	.70	10,000	.2	N	N	200	2,000	5
M181M	63 22 39	154 41 3	>5	2.0	.70	10,000	.2	N	N	200	3,000	5
M183M	63 22 35	154 31 35	5	2.0	.70	5,000	.2	N	N	200	1,500	5
M184M	63 21 11	154 37 22	>5	2.0	.70	10,000	.2	N	N	300	2,000	5
M185M	63 23 40	154 46 20	>5	2.0	.70	3,000	.5	N	N	200	5,000	5
M188M	63 23 3	154 47 46	>5	2.0	.70	5,000	.2	N	N	200	3,000	5
M192M	63 20 42	155 0 27	>5	2.0	.70	5,000	.5	N	N	200	3,000	5
M193M	63 23 29	155 5 11	>5	2.0	1.00	7,000	1.0	N	N	150	5,000	5
M194M	63 21 30	155 7 15	>5	2.0	>1.00	5,000	N	N	N	150	3,000	5
M195M	63 26 11	155 7 52	>5	2.0	>1.00	10,000	N	N	N	150	5,000	5
M199M	63 46 21	153 52 50	>5	2.0	.70	10,000	N	N	N	200	3,000	5
M201M	63 46 40	153 48 48	>5	2.0	.70	10,000	N	N	N	200	2,000	5
M202M	63 49 19	153 47 37	5	3.0	.70	3,000	<.1	N	N	300	2,000	5

Table 9.—*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska--continued*

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SN
M125M	N	10	50	150	150	70	N	20	100	30	N	N
M126M	N	2	30	100	100	50	N	<20	70	20	N	N
M127M	N	2	30	100	200	100	N	<20	70	20	N	N
M128M	N	<1	100	100	100	100	N	20	100	20	N	N
M129M	N	10	50	100	200	50	N	20	100	30	N	70
M130M	N	2	50	100	100	70	N	20	70	20	N	5
M132M	N	<1	50	70	150	50	N	<20	70	70	N	<5
M136M	N	10	50	70	150	70	N	<20	70	30	N	70
M137M	N	2	70	70	100	70	N	<20	70	20	N	5
M144M	N	1	30	100	150	70	N	<20	100	20	N	<5
M145M	N	1	50	100	100	70	N	<20	70	20	N	N
M146M	20	N	50	70	100	70	N	20	70	20	N	N
M147M	N	2	100	100	100	70	N	<20	70	20	N	5
M148M	N	1	50	100	100	50	N	<20	200	20	N	5
M150M	N	N	30	100	150	50	N	<20	100	30	N	N
M151M	N	N	70	100	150	50	N	<20	100	20	N	N
M152M	N	7	50	100	150	50	N	20	200	20	N	N
M153M	N	2	30	100	150	50	N	20	50	30	N	N
M154M	N	10	30	100	150	50	N	20	70	300	N	N
M155M	N	2	30	70	150	50	N	20	70	20	N	N
M160M	N	2	30	70	150	50	N	20	50	20	N	N
M162M	N	1	100	100	150	50	N	20	100	20	N	N
M163M	N	1	50	100	100	70	N	20	100	20	N	N
M165M	N	1	30	70	70	50	N	20	50	20	N	N
M168M	N	5	50	70	200	70	N	20	70	30	N	5
M169M	N	1	30	150	100	70	N	20	70	20	N	N
M170M	N	1	50	150	150	100	N	20	>1,000	20	N	N
M171M	N	1	30	70	100	70	N	20	50	30	N	N
M173M	N	20	30	70	300	50	N	20	70	50	N	N
M175M	N	20	50	100	300	50	N	20	70	30	N	N
M176M	N	1	70	70	100	30	N	20	100	15	N	N
M177M	N	5	50	70	150	50	N	20	50	30	N	N
M179M	N	2	30	70	150	50	N	20	70	30	N	N
M181M	N	2	50	100	200	50	N	20	100	30	N	N
M183M	N	2	20	70	100	50	N	20	50	20	N	N
M184M	N	2	50	100	150	50	N	20	100	30	N	N
M185M	N	2	30	70	150	50	N	20	70	30	N	N
M188M	N	1	30	70	150	70	N	20	70	20	N	N
M192M	N	1	30	70	200	50	N	20	100	20	N	N
M193M	N	5	100	150	150	70	N	20	200	30	N	N
M194M	N	5	100	200	200	100	N	20	200	30	N	N
M195M	N	2	150	300	150	70	N	20	300	20	N	N
M199M	N	5	50	100	200	50	N	20	100	20	N	N
M201M	N	5	30	70	150	50	N	20	50	20	N	N
M202M	N	3	30	150	150	50	N	20	100	20	N	N

Table 9.--*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Woody quadrangle, Alaska*--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-MAT	S-GA	S-GE	S-IN	S-TL
M125M	500	500	N	50	1,500	500	.3	N	N	N	N
M126M	500	500	N	50	1,000	500	.3	N	N	N	N
M127M	1,000	300	N	50	1,000	300	.3	N	N	N	N
M128M	500	500	N	50	1,000	700	.3	N	N	N	N
M129M	700	500	N	50	2,000	300	.5	N	N	N	N
M130M	500	500	N	50	1,000	700	.3	N	N	N	N
M132M	700	500	N	50	1,000	500	.3	N	N	N	N
M136M	700	500	N	50	2,000	500	.3	N	N	N	N
M137M	700	500	N	50	700	700	.3	N	N	N	N
M144M	700	500	N	50	700	1,000	.5	N	N	N	N
M145M	700	500	N	50	700	700	.5	N	N	N	N
M146M	700	500	N	50	700	700	.3	N	N	N	N
M147M	700	500	N	50	1,000	700	.5	N	N	N	N
M148M	500	500	N	50	1,000	700	.5	N	N	N	N
M150M	500	500	N	50	1,000	500	.3	N	N	N	N
M151M	700	500	N	50	700	700	.5	N	N	N	N
M152M	700	500	N	100	1,500	700	.3	N	N	N	N
M153M	700	500	N	50	1,000	500	.3	N	N	N	N
M154M	300	200	N	50	2,000	200	.3	10	N	N	N
M155M	500	300	N	50	700	500	.3	N	N	N	N
M160M	700	500	N	50	1,000	500	.3	N	N	N	N
M162M	500	500	N	50	1,500	700	.3	N	N	N	N
M163M	500	500	N	50	1,500	700	.3	N	N	N	N
M165M	300	300	N	50	1,000	500	.2	N	N	N	N
M168M	300	300	N	50	1,000	500	.3	N	N	N	N
M169M	300	300	N	50	700	700	.3	N	N	N	N
M170M	500	500	N	70	2,000	700	.5	N	N	N	N
M171M	700	500	N	50	1,000	700	.3	N	N	N	N
M173M	700	200	N	50	1,500	300	.5	N	N	N	N
M175M	700	300	N	50	1,500	300	.5	N	N	N	N
M176M	500	300	N	50	1,000	300	.3	N	N	N	N
M177M	200	500	N	50	1,000	300	.3	N	N	N	N
M179M	500	500	N	50	1,000	500	.5	N	N	N	N
M181M	700	500	N	50	1,500	500	.5	N	N	N	N
M183M	300	500	N	50	1,000	300	.3	N	N	N	N
M184M	500	500	N	50	1,500	500	.3	N	N	N	N
M185M	500	500	N	30	1,000	300	.5	N	N	N	N
M188M	500	500	N	70	1,000	500	.3	N	N	N	N
M192M	500	500	N	50	2,000	300	.2	N	N	N	N
M193M	500	700	N	70	2,000	500	.3	N	N	N	N
M194M	300	700	N	100	2,000	700	.3	N	N	N	N
M195M	300	700	N	100	700	>1,000	.3	N	N	N	N
M199M	500	700	N	70	1,000	500	.3	N	N	N	N
M201M	500	500	N	50	1,000	500	.3	N	N	N	N
M202M	700	300	N	50	700	500	.3	N	N	N	N

Table 9.—*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hedfra quadrangle, Alaska*--continued

Sample	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M203M	63 52 0	153 37 38	5	5.0	.70	5,000	2.0	N	N	300	2,000	5
M204M	63 54 48	153 33 33	5	3.0	.70	10,000	N	N	N	300	1,500	2
M205M	63 56 22	153 33 12	>5	2.0	.70	>10,000	<.1	N	N	100	3,000	5
M206M	63 54 46	153 29 54	>5	3.0	1.00	5,000	.1	N	N	150	3,000	5
M207M	63 58 11	153 18 17	>5	3.0	.70	10,000	.3	N	N	300	2,000	5
M208M	63 56 59	153 12 34	5	2.0	1.00	2,000	.2	N	N	300	3,000	20
M209M	63 57 5	153 5 28	>5	2.0	>1.00	5,000	2.0	N	N	150	3,000	20
M210M	63 58 1	153 3 43	>5	2.0	1.00	5,000	2.0	N	N	150	3,000	20
M211M	63 56 39	153 7 17	>5	2.0	1.00	10,000	.5	N	N	200	2,000	5
M212M	63 56 2	153 0 32	>5	2.0	1.00	5,000	.5	N	N	100	3,000	2
M213M	63 52 44	153 5 29	>5	3.0	>1.00	10,000	1.5	N	N	200	3,000	2
M214M	63 53 52	154 4 17	>5	2.0	.70	>10,000	.2	N	N	100	1,500	2
M215M	63 46 25	153 19 15	>5	2.0	.50	>10,000	.2	N	N	500	2,000	5
M220M	63 45 38	153 12 16	>5	2.0	.50	>10,000	.5	N	N	300	5,000	5
M224M	63 51 47	153 8 23	5	2.0	.70	2,000	.5	N	N	200	1,500	5
M225M	63 51 50	153 3 30	>5	2.0	.70	10,000	.2	N	N	200	3,000	5
M226M	63 53 13	153 15 1	>5	2.0	1.00	>10,000	.2	N	N	150	2,000	10
M228M	63 55 19	153 20 52	>5	3.0	.50	10,000	N	N	N	200	2,000	5
M230M	63 53 47	153 21 41	>5	2.0	.70	10,000	.2	N	N	200	3,000	5
M231M	63 50 44	153 25 25	>5	2.0	.50	>10,000	N	N	N	300	2,000	5
M232M	63 48 51	153 28 38	>5	3.0	1.00	5,000	.2	N	N	200	1,500	2
M234M	63 29 26	156 25 28	5	2.0	.50	5,000	.3	N	N	500	1,500	2
M235M	63 30 0	156 4 10	>5	5.0	.70	7,000	N	N	N	300	2,000	2
M236M	63 28 41	156 8 16	5	5.0	.70	2,000	.1	N	N	300	1,500	5
M237M	63 29 8	156 7 42	5	5.0	.50	1,500	N	N	N	200	1,000	2
M239M	63 28 41	156 6 28	5	5.0	.70	5,000	.1	N	N	200	1,000	5
M241M	63 27 9	156 10 23	5	5.0	.50	7,000	N	N	N	300	1,000	2
M242M	63 25 51	156 10 32	5	5.0	1.00	5,000	.5	N	N	300	1,500	5
M243M	63 25 9	156 12 8	5	5.0	.70	2,000	.1	N	N	200	1,000	5
M244M	63 24 25	156 8 0	>5	2.0	.50	>10,000	N	N	N	300	5,000	5
M245M	63 22 16	156 11 13	>5	5.0	.70	>10,000	N	N	N	150	3,000	2
M247M	63 26 34	156 22 37	>5	2.0	.70	5,000	.5	N	N	300	1,000	5
M248M	63 26 20	156 25 3	>5	2.0	.50	>10,000	.5	500	N	200	5,000	5
M252M	63 43 42	156 15 29	>5	2.0	.50	>10,000	1.0	N	N	200	5,000	5
M253M	63 47 43	156 13 20	5	2.0	1.00	5,000	.5	N	N	200	5,000	5
M254M	63 48 17	156 18 17	>5	2.0	.70	5,000	.3	N	N	300	1,500	5
M255M	63 51 16	156 24 3	>5	2.0	.70	7,000	.3	N	N	500	1,500	5
M256M	63 53 2	156 28 1	>5	2.0	1.00	5,000	.2	N	N	200	2,000	5
M257M	63 55 17	156 23 23	5	2.0	1.00	5,000	.2	N	N	200	2,000	5
M258M	63 55 28	156 24 5	>5	2.0	1.00	5,000	.2	N	N	300	2,000	5
M259M	63 55 42	156 21 36	>5	2.0	1.00	7,000	.2	N	N	300	2,000	5
M260M	63 58 56	156 21 9	5	2.0	.70	5,000	.2	N	N	200	2,000	5
M261M	63 57 57	156 9 51	>5	3.0	1.00	>10,000	1.5	N	N	200	5,000	5
M262M	63 58 46	156 11 29	>5	3.0	1.00	10,000	.5	N	N	300	3,000	5
M263M	63 58 25	156 11 20	>5	3.0	1.00	5,000	.3	N	N	200	5,000	5

Table 9.—*Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfia quadrangle, Alaska--continued*

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SN
M203M	N	5	30	150	200	50	N	20	100	20	N	N
M204M	N	2	30	100	150	50	N	20	70	20	N	N
M205M	N	5	50	70	200	50	N	20	50	30	N	N
M206M	N	1	50	300	150	50	N	20	200	20	N	N
M207M	N	5	50	70	200	50	N	20	150	30	N	N
M208M	N	N	20	100	100	70	N	20	70	30	N	N
M209M	N	<1	50	150	150	100	N	20	70	30	N	N
M210M	N	<1	50	70	150	100	N	20	70	30	N	N
M211M	N	2	50	70	100	100	N	20	70	20	N	N
M212M	N	1	30	70	100	100	N	20	70	20	N	N
M213M	N	1	100	300	100	100	N	20	100	20	N	N
M214M	N	2	100	100	150	70	N	20	100	20	N	N
M219M	N	15	100	70	200	50	N	20	100	30	N	N
M220M	N	7	200	70	200	50	N	20	100	20	N	N
M224M	N	1	100	50	100	50	N	20	50	20	N	N
M225M	N	5	100	100	200	70	N	20	200	20	N	N
M226M	N	1	100	100	100	100	N	20	150	20	N	N
M228M	N	1	50	100	150	50	N	20	100	20	N	N
M230M	N	2	50	70	200	70	N	20	70	30	N	N
M231M	N	2	50	50	150	50	N	20	70	20	N	N
M232M	N	1	20	200	70	50	N	20	70	20	N	N
M234M	N	N	10	70	70	30	N	20	30	20	N	N
M235M	N	<1	20	100	70	30	N	20	100	20	N	N
M236M	N	<1	20	100	100	30	N	20	100	20	N	N
M237M	N	<1	15	150	70	30	N	20	100	20	N	N
M239M	N	N	20	700	150	30	N	20	100	20	N	N
M241M	N	5	20	100	100	30	N	20	200	20	N	N
M242M	N	5	20	100	150	30	N	20	200	20	N	N
M243M	N	2	20	100	70	30	N	20	70	20	N	N
M244M	N	7	150	50	200	50	N	20	70	20	N	N
M245M	N	3	70	100	150	50	N	20	50	20	N	N
M247M	N	1	20	100	100	50	N	20	100	30	N	5
M248M	N	2	50	100	100	50	N	20	100	20	N	N
M252M	N	7	200	100	150	50	N	20	100	30	N	N
M253M	N	1	30	100	100	50	N	20	70	20	N	N
M254M	N	1	50	100	200	50	N	20	100	20	N	N
M255M	N	1	30	70	200	50	N	20	70	30	N	N
M256M	N	1	30	150	70	70	N	20	70	20	N	N
M257M	N	1	30	70	100	50	N	20	70	20	N	N
M258M	N	2	50	150	150	70	N	20	100	20	N	N
M259M	N	2	30	150	150	70	N	20	150	20	N	N
M260M	N	1	30	70	70	50	N	20	50	20	N	N
M261M	N	3	150	100	200	50	N	20	100	30	N	N
M262M	N	3	50	100	200	70	N	20	100	50	N	N
M263M	N	1	50	150	100	70	N	20	100	20	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Nenana quadrangle, Alaska--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-MAX	S-GA	S-GE	S-IN	S-TL
M203M	500	300	N	50	700	500	.5	N	N	N	N
M204M	300	300	N	70	700	500	.3	N	N	N	N
M205M	500	500	N	70	2,000	500	.3	N	N	N	N
M206M	700	700	N	70	1,000	700	.5	N	N	N	N
M207M	700	500	N	70	1,500	500	.3	N	N	N	N
M208M	500	300	N	70	1,000	700	.5	N	N	N	N
M209M	500	500	N	100	1,500	700	.5	N	N	N	N
M210M	500	500	N	100	1,500	700	.3	N	N	N	N
M211M	500	300	N	70	1,000	700	.2	N	N	N	N
M212M	700	300	N	70	1,000	500	.5	N	N	N	N
M213M	500	500	N	100	1,500	>1,000	.7	N	N	N	N
M214M	500	300	N	70	1,500	500	.3	N	N	N	N
M219M	500	300	N	50	2,000	500	.3	N	N	N	N
M220M	500	500	N	50	2,000	700	.3	N	N	N	N
M224M	700	300	N	50	1,500	300	.5	N	N	N	N
M225M	700	500	N	70	1,000	500	.3	N	N	N	N
M226M	500	700	N	100	1,000	1,000	.3	N	N	N	N
M228M	500	200	N	50	700	500	.5	N	N	N	N
M230M	700	300	N	50	1,000	500	.3	N	N	N	N
M231M	300	500	N	50	1,000	500	.5	N	N	N	N
M232M	500	300	N	50	700	700	.5	N	N	N	N
M234M	700	200	N	20	700	200	.5	N	N	N	N
M235M	500	200	N	50	700	500	.3	N	N	N	N
M236M	500	200	N	50	700	300	.5	N	N	N	N
M237M	300	150	N	20	1,000	500	2.0	N	N	N	N
M239M	300	200	N	50	1,000	500	.3	N	N	N	N
M241M	300	300	N	20	1,000	300	.3	N	N	N	N
M242M	500	700	N	50	2,000	500	.3	N	N	N	N
M243M	300	200	N	50	2,000	500	.3	N	N	N	N
M244M	500	500	N	100	1,000	1,000	.3	N	N	N	N
M245M	500	500	N	50	700	1,000	.3	N	N	N	N
M247M	500	300	N	50	1,000	300	.5	N	N	N	N
M248M	700	500	N	50	1,000	700	.3	N	N	N	N
M252M	500	500	N	50	2,000	700	.3	N	N	N	N
M253M	500	300	N	50	1,000	500	.5	N	N	N	N
M254M	500	300	N	50	700	500	.3	N	N	N	N
M255M	500	300	N	50	1,500	200	.3	N	N	N	N
M256M	500	300	N	50	1,000	500	.5	N	N	N	N
M257M	500	300	N	50	1,000	500	.5	N	N	N	N
M258M	500	500	N	100	1,000	500	.3	N	N	N	N
M259M	500	300	N	50	1,000	500	.5	N	N	N	N
M260M	500	500	N	50	1,000	500	.3	N	N	N	N
M261M	700	500	N	70	1,000	500	.5	N	N	N	N
M262M	500	500	N	100	1,500	500	.5	N	N	N	N
M263M	500	500	N	70	1,000	700	.5	N	N	N	N

Table 9.—Semiquantitative spectrographic analyses of samples of each of aquatic bryophytes, Nadfra quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M264M	63 52 36	154 10 33	>5	2.0	1.00	5,000	.2	N	N	200	2,000	3
M265M	63 50 24	154 5 49	>5	2.0	.70	10,000	.5	N	N	200	2,000	3
M266M	63 49 10	154 4 21	>5	2.0	1.00	3,000	.2	N	N	200	3,000	3
M267M	63 46 22	154 8 13	>5	2.0	1.00	5,000	.2	N	N	200	2,000	3
M268M	63 44 50	154 7 46	>5	2.0	>1.00	3,000	.3	N	N	300	2,000	5
M269M	63 43 44	154 7 9	>5	2.0	.30	>10,000	.2	N	N	300	2,000	5
M270M	63 42 12	154 4 54	5	3.0	.70	2,000	.5	N	N	200	1,000	3
M271M	63 6 35	154 8 35	5	2.0	1.00	5,000	2.0	N	N	200	2,000	3
M272M	63 7 12	153 56 13	>5	2.0	>1.00	7,000	2.0	N	N	200	2,000	3
M273M	63 10 13	153 54 27	>5	2.0	.70	>10,000	<.1	N	N	200	2,000	3
M274M	63 10 21	153 56 0	>5	2.0	.70	5,000	2.0	N	N	200	1,500	3
M275M	63 13 51	153 50 6	>5	2.0	.70	>10,000	.2	N	N	200	2,000	3
M276M	63 14 4	153 50 38	5	2.0	.70	5,000	.2	N	N	150	2,000	3
M277M	63 17 42	153 53 29	>5	2.0	1.00	7,000	.2	N	N	200	3,000	3
M278M	63 11 19	154 2 11	>5	2.0	1.00	3,000	.2	N	N	150	2,000	3
M279M	63 25 31	156 29 15	>5	2.0	1.00	>10,000	.5	N	N	200	3,000	3
M280M	63 19 11	154 20 30	>5	2.0	.20	>10,000	.5	N	N	200	3,000	3
M281M	63 19 38	154 9 55	>5	2.0	.70	>10,000	.5	N	N	200	3,000	3
M282M	63 20 15	154 0 35	>5	2.0	1.00	2,000	.2	N	N	150	1,000	3
M283M	63 16 37	154 16 41	>5	2.0	1.00	>10,000	.5	N	N	200	3,000	3
M284M	63 1 45	153 6 32	>5	3.0	.70	>10,000	.5	N	N	200	3,000	3
M286M	63 3 50	153 10 57	>5	3.0	.20	>10,000	.5	N	N	200	3,000	3
M292M	63 37 5	155 21 28	>5	3.0	.50	>10,000	.5	N	N	200	3,000	3
M294M	63 44 51	155 39 58	>5	2.0	.70	10,000	1.0	N	N	500	3,000	5
M295M	63 43 57	155 42 9	>5	2.0	1.00	7,000	1.5	N	N	300	5,000	5
M296M	63 42 56	155 44 20	>5	2.0	1.00	10,000	.5	N	N	200	3,000	3
M297M	63 45 16	155 48 48	>5	2.0	.70	7,000	.5	N	N	300	3,000	3
M298M	63 41 12	155 56 21	>5	2.0	.70	10,000	.5	N	N	300	3,000	3
M300M	63 40 7	155 54 36	>5	2.0	1.00	7,000	.5	N	N	200	5,000	5
M301M	63 38 39	155 47 39	>5	2.0	1.00	3,000	.7	N	N	200	3,000	5
M302M	63 36 36	155 58 0	5	2.0	.50	10,000	.5	N	N	500	3,000	3
M303M	63 35 28	155 58 28	>5	2.0	1.00	10,000	.5	N	N	300	3,000	5
M304M	63 36 10	155 57 7	5	3.0	.20	>10,000	.5	N	N	500	3,000	3
M305M	63 33 15	155 59 28	>5	3.0	.30	5,000	.5	N	N	300	3,000	5
M306M	63 32 52	155 51 23	>5	3.0	.50	>10,000	.3	N	N	300	3,000	3
M307M	63 27 46	154 32 36	5	3.0	.50	>10,000	5.0	1,000	N	300	2,000	10
M311M	63 50 20	154 36 2	>5	1.5	.20	2,000	3.0	1,500	N	500	1,500	7
M312M	63 37 41	154 6 37	>5	2.0	.70	2,000	1.0	N	N	200	1,500	5
M313M	63 41 37	154 3 51	5	3.0	.70	2,000	1.0	N	N	200	1,000	3
M314M	63 41 32	154 3 18	5	2.0	1.00	3,000	.5	N	N	200	2,000	3
M315M	63 27 35	154 17 35	5	3.0	.70	2,000	.2	N	N	200	2,000	3
M317M	63 36 28	155 29 18	5	2.0	1.00	10,000	.5	N	N	200	3,000	3
M319M	63 40 23	155 23 48	>5	2.0	1.00	2,000	.2	N	N	200	3,000	3
M321M	63 44 20	155 17 49	>5	2.0	1.00	7,000	.2	N	N	200	3,000	3
M323M	63 46 23	155 12 51	>5	2.0	.70	5,000	.2	N	N	150	3,000	3

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfire quadrangle, Alaska--continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SN
M264M	N	2	30	100	150	70	N	20	50	50	N	N
M265M	N	2	70	100	150	50	N	20	70	20	N	N
M266M	N	1	50	150	150	70	N	20	30	20	N	N
M267M	N	<1	50	100	100	50	N	20	50	20	N	N
M268M	N	<1	50	150	100	70	N	20	50	20	N	N
M269M	N	5	70	70	200	50	N	20	70	30	N	N
M270M	N	2	30	70	70	50	N	20	30	30	N	N
M271M	N	2	30	100	100	50	N	20	30	20	N	N
M272M	N	2	50	150	150	100	N	20	50	20	N	N
M273M	N	2	30	100	150	70	N	20	50	20	N	N
M274M	N	2	30	70	150	50	N	20	30	20	N	N
M275M	N	2	50	200	200	100	N	20	50	20	N	N
M276M	N	2	30	70	70	50	N	20	30	20	N	N
M277M	N	2	30	100	200	70	N	20	50	20	N	N
M278M	N	5	30	200	150	70	N	20	50	20	N	N
M279M	N	2	50	200	200	50	N	20	50	20	N	N
M280M	N	2	70	50	200	50	N	20	100	10	N	N
M281M	N	3	30	70	200	70	N	20	50	20	N	N
M282M	N	2	50	100	150	70	N	20	50	20	N	N
M283M	N	5	200	150	200	70	N	20	100	20	N	N
M284M	N	2	100	70	150	50	N	20	150	20	N	N
M286M	N	2	70	70	200	50	N	20	100	20	N	N
M292M	N	2	200	70	200	50	N	20	100	20	N	N
M294M	N	5	50	70	200	70	N	20	100	30	N	<5
M295M	N	5	50	70	200	50	N	20	100	30	N	<5
M296M	N	5	70	100	150	50	N	20	100	30	N	10
M297M	N	2	50	100	150	50	N	20	50	30	N	N
M299M	N	2	100	70	100	50	N	20	50	20	N	N
M300M	N	1	50	100	200	50	N	20	100	30	N	10
M301M	N	2	50	100	150	70	N	20	100	30	N	N
M302M	N	2	50	70	200	50	N	20	50	30	N	N
M303M	N	2	50	100	200	70	N	20	100	20	N	N
M304M	N	2	50	70	300	50	N	20	50	30	N	5
M305M	N	2	50	150	200	50	N	20	70	20	N	N
M306M	N	2	50	70	150	70	N	20	50	20	N	N
M309M	<1	100	50	70	1,000	50	N	20	200	150	N	20
M311M	20	5	70	70	1,000	50	N	20	70	30	N	10
M312M	N	2	50	100	100	50	N	20	70	30	N	5
M313M	N	2	30	100	100	50	N	20	70	30	N	<5
M314M	N	2	30	100	100	70	N	20	70	20	N	N
M315M	N	2	30	100	100	50	N	20	70	20	N	N
M317M	N	2	70	100	100	50	N	20	70	20	N	N
M319M	N	2	50	100	200	100	N	20	100	20	N	N
M321M	N	2	70	100	100	70	N	20	70	20	N	N
M323M	N	2	50	100	100	70	N	20	70	20	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfia quadrangle, Alaska--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-NAX	S-GA	S-GE	S-IN	S-IL
M264M	700	500	N	70	1,000	700	.5	N	N	N	N
M265M	500	300	N	70	1,000	500	.5	N	N	N	N
M266M	700	500	N	70	1,000	1,000	.5	N	N	N	N
M267M	700	300	N	50	1,000	1,000	.5	N	N	N	N
M268M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M269M	700	300	N	70	1,500	500	.3	N	N	N	N
M270M	500	300	N	50	1,000	500	.5	N	N	N	N
M271M	500	300	N	50	1,000	500	.5	N	N	N	N
M272M	500	500	N	100	1,000	>1,000	.5	N	N	N	N
M273M	500	300	N	50	1,000	700	.5	N	N	N	N
M274M	500	300	N	50	1,000	700	.5	N	N	N	N
M275M	700	300	N	70	1,000	700	.5	N	N	N	N
M276M	500	300	N	20	1,000	500	.5	N	N	N	N
M277M	500	300	N	70	1,000	700	.5	N	N	N	N
M278M	500	300	N	50	700	1,000	.7	N	N	N	N
M279M	500	500	N	50	1,000	500	.5	N	N	N	N
M280M	500	300	N	50	1,000	500	.3	N	N	N	N
M281M	500	300	N	70	1,000	700	.3	N	N	N	N
M282M	500	300	N	50	1,000	500	.5	N	N	N	N
M283M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M284M	500	500	N	30	1,000	500	.3	N	N	N	N
M286M	700	200	N	30	1,500	500	.3	N	N	N	N
M292M	500	500	N	50	1,500	700	.3	N	N	N	N
M294M	500	500	N	70	1,000	500	.3	N	N	N	N
M295M	700	500	N	70	1,000	500	.3	N	N	N	N
M296M	700	500	N	70	1,000	500	.3	N	N	N	N
M297M	500	300	N	70	1,000	700	.5	N	N	N	N
M299M	500	500	N	50	1,000	700	.3	N	N	N	N
M300M	500	500	N	100	1,000	700	.5	N	N	N	N
M301M	500	500	N	70	1,000	700	.5	N	N	N	N
M302M	500	300	N	30	1,000	700	.5	N	N	N	N
M303M	700	500	N	50	1,000	500	.5	N	N	N	N
M304M	700	300	N	30	1,000	500	.5	N	N	N	N
M305M	700	300	N	30	1,000	200	.7	N	N	N	N
M306M	700	300	N	30	1,000	500	.5	N	N	N	N
M309M	700	500	N	50	1,000	500	.3	N	N	N	N
M311M	500	300	N	30	1,000	500	.3	N	N	N	N
M312M	300	300	N	30	1,000	500	.3	N	N	N	N
M313M	300	300	N	30	1,000	500	.3	N	N	N	N
M314M	500	500	N	50	1,000	500	.5	N	N	N	N
M315M	500	500	N	50	1,000	500	.5	N	N	N	N
M317M	500	500	N	50	1,000	1,000	.5	N	N	N	N
M319M	500	500	N	50	1,000	500	.5	N	N	N	N
M321M	500	500	N	50	1,000	1,000	.3	N	N	N	N
M323M	500	500	N	50	1,000	500	.5	N	N	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Nulato quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M324M	63 47 40	155 4 46	>5	2.0	1.00	10,000	<.1	N	N	200	3,000	3
M325M	63 48 49	155 11 39	5	2.0	1.00	5,000	1.0	N	N	200	3,000	5
M326M	63 47 0	155 15 52	>5	2.0	1.00	>10,000	.5	N	N	150	3,000	3
M328M	63 39 21	155 5 44	5	2.0	1.00	7,000	.5	N	N	200	2,000	3
M330M	63 43 20	155 7 56	5	2.0	1.00	2,000	1.0	N	N	200	2,000	3
M331M	63 42 33	155 9 42	5	1.5	1.00	1,500	.5	N	N	150	2,000	3
M332M	63 41 4	155 13 8	5	1.5	1.00	1,500	.5	N	N	150	1,500	3
M333M	63 39 15	155 16 47	5	2.0	1.00	2,000	.5	N	N	150	2,000	5
M335M	63 36 35	155 17 21	>5	2.0	>1.00	3,000	2.0	N	N	200	3,000	5
M336M	63 34 2	155 15 18	3	1.5	1.00	5,000	.7	N	N	150	2,000	3
M337M	63 30 56	155 24 11	5	2.0	1.00	>10,000	.5	N	N	150	3,000	5
M338M	63 32 32	153 14 9	3	2.0	1.00	5,000	2.0	3,000	N	200	2,000	20
M339M	63 33 29	153 13 53	3	2.0	>1.00	2,000	1.5	3,000	N	200	2,000	10
M340M	63 34 40	153 12 17	>5	2.0	1.00	2,000	1.5	500	N	150	3,000	10
M341M	63 36 17	153 6 59	5	3.0	.70	10,000	.7	500	N	200	2,000	3
M342M	63 36 5	153 7 4	>5	2.0	1.00	>10,000	.2	N	N	150	3,000	3
M343M	63 39 13	153 7 22	5	1.5	1.00	7,000	.5	1,000	N	150	2,000	3
M345M	63 31 41	153 2 2	5	1.5	1.00	2,000	.2	N	N	150	1,500	3
M347M	63 30 8	153 6 47	5	1.5	1.00	3,000	1.0	N	N	200	3,000	5
M348M	63 28 20	153 8 11	>5	1.5	.70	>10,000	1.0	N	N	200	3,000	3
M350M	63 21 36	154 47 14	5	1.5	.70	3,000	1.0	N	N	200	2,000	3
M351M	63 23 2	154 51 53	5	3.0	.20	10,000	1.0	5,000	N	300	2,000	3
M352M	63 23 0	154 52 15	>5	1.5	1.00	7,000	.5	N	N	200	3,000	3
M353M	63 26 39	154 57 42	5	3.0	.70	7,000	1.0	N	N	200	3,000	5
M355M	63 25 55	155 3 24	>5	2.0	1.00	7,000	.5	N	N	200	3,000	5
M356M	63 25 13	155 8 55	>5	2.0	1.00	5,000	1.0	N	N	200	3,000	5
M357M	63 30 12	154 48 15	5	2.0	.70	3,000	.5	N	N	200	3,000	3
M359M	63 34 34	154 49 57	>5	1.5	.50	>10,000	.1	N	N	200	2,000	3
M360M	63 32 51	154 58 31	5	2.0	1.00	10,000	1.0	N	N	200	3,000	5
M361M	63 46 5	153 35 32	5	2.0	1.00	7,000	.5	N	N	200	2,000	3
M365M	63 47 26	153 33 33	5	2.0	1.00	7,000	1.0	N	N	200	2,000	3
M366M	63 47 41	153 31 23	>5	2.0	1.00	7,000	.2	N	N	200	3,000	3
M368M	63 50 26	153 33 49	>5	2.0	1.00	2,000	.2	N	N	200	2,000	5
M369M	63 52 27	153 38 0	>5	2.0	1.00	2,000	.2	N	N	200	3,000	3
M370M	63 56 36	153 40 1	5	2.0	.70	5,000	.2	N	N	200	2,000	3
M371M	63 56 52	153 39 42	5	3.0	.70	3,000	<.1	N	N	200	1,000	2
M372M	63 58 20	153 31 25	>5	3.0	1.00	>10,000	<.1	N	N	200	2,000	3
M373M	63 59 18	153 36 7	>5	3.0	.70	5,000	.2	N	N	200	2,000	3
M374M	63 59 46	153 40 6	5	2.0	1.00	500	.2	N	N	200	1,500	3
M375M	63 45 57	153 55 12	5	3.0	1.00	500	.2	N	N	150	1,500	3
M376M	63 51 34	153 48 5	5	2.0	1.00	2,000	.5	N	N	150	1,000	3
M377M	63 51 40	153 47 23	5	2.0	1.00	2,000	.5	N	N	150	1,000	3
M378M	63 52 43	153 45 44	5	5.0	.70	3,000	.2	N	N	200	1,000	2
M379M	63 54 42	153 47 50	5	2.0	1.00	7,000	.2	N	N	200	1,500	3
M380M	63 55 19	153 47 16	5	2.0	1.00	5,000	.2	N	N	150	3,000	5

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska--continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SN
M324M	N	2	100	100	150	70	N	20	70	20	N	N
M325M	N	5	30	70	150	70	N	20	50	30	N	5
M326M	N	5	70	70	100	100	N	20	50	20	N	N
M328M	N	2	50	70	100	70	N	20	50	20	N	N
M330M	N	<1	50	100	100	70	N	20	70	20	N	N
M331M	N	N	30	100	70	70	N	20	50	20	N	N
M332M	N	N	30	100	70	50	N	20	50	20	N	N
M333M	N	N	30	100	70	70	N	20	50	20	N	N
M335M	N	2	70	200	200	70	N	20	100	30	N	N
M336M	N	<1	50	70	100	70	N	20	70	20	N	N
M337M	N	1	50	70	150	50	N	20	70	20	N	N
M338M	N	2	20	70	70	100	N	20	50	30	N	20
M339M	N	2	20	70	70	100	N	20	50	30	N	5
M340M	N	5	50	200	150	100	N	20	70	20	N	N
M341M	N	3	30	70	200	100	N	20	70	20	N	<5
M342M	N	10	70	150	150	70	N	20	100	30	N	N
M343M	N	2	50	70	100	50	N	20	50	20	N	N
M345M	N	2	30	100	70	70	N	20	70	20	N	N
M347M	N	10	30	100	100	70	N	20	70	30	N	5
M348M	N	5	70	70	200	70	N	20	70	30	N	N
M350M	N	2	30	50	150	50	N	20	50	20	N	N
M351M	N	N	30	70	200	50	N	20	50	50	N	5
M352M	N	N	50	100	100	50	N	20	70	20	N	N
M353M	N	3	50	100	200	50	N	20	100	20	N	N
M355M	N	<1	50	150	100	70	N	20	100	20	N	5
M356M	N	5	50	100	100	50	N	20	100	20	N	N
M357M	N	2	50	150	100	100	N	20	100	30	N	N
M359M	N	2	100	70	200	50	N	20	70	20	N	N
M360M	N	2	70	100	150	100	N	20	100	20	N	N
M361M	N	<1	50	100	150	50	N	20	50	20	N	N
M365M	N	<1	50	100	150	70	N	20	70	20	N	N
M366M	N	N	70	100	100	100	N	20	70	20	N	N
M368M	N	N	50	100	100	70	N	20	70	20	N	N
M369M	N	3	30	100	100	70	N	20	70	20	N	N
M370M	N	N	50	70	150	70	N	20	50	20	N	N
M371M	N	N	30	70	100	70	N	20	50	20	N	N
M372M	N	2	50	100	150	70	N	20	70	20	N	N
M375M	N	<1	30	70	150	70	N	20	50	20	N	N
M376M	N	2	50	70	100	70	N	20	50	30	N	5
M375M	N	2	30	70	100	50	N	20	70	20	N	N
M376M	N	2	30	70	100	70	N	20	70	20	N	N
M377M	N	2	30	70	100	100	N	20	50	20	N	N
M378M	N	1	50	100	100	50	N	20	70	20	N	N
M379M	N	2	50	70	100	70	N	20	50	30	N	N
M380M	N	2	50	70	100	70	N	20	70	30	N	<5

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-NAX	S-GA	S-GE	S-IN	S-TL
M324M	500	500	N	50	1,000	1,000	.5	N	N	N	N
M325M	500	500	N	70	1,000	300	.5	N	N	N	N
M326M	700	500	N	100	1,000	1,000	.5	N	N	N	N
M328M	500	500	N	70	1,000	700	.3	N	N	N	N
M330M	500	500	N	50	1,000	700	.3	N	N	N	N
M331M	500	500	N	50	1,000	700	.3	N	N	N	N
M332M	300	300	N	50	1,000	500	.3	N	N	N	N
M333M	300	300	N	50	1,000	700	.5	N	N	N	N
M335M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M336M	500	500	N	50	1,000	500	.5	N	N	N	N
M337M	500	500	N	50	1,000	500	.3	N	N	N	N
M338M	500	300	N	200	1,500	500	.5	N	N	N	N
M339M	500	300	N	100	1,000	1,000	.5	N	N	N	N
M340M	500	500	N	100	1,000	700	.5	N	N	N	N
M341M	500	500	N	50	1,000	700	.3	N	N	N	N
M342M	700	300	N	70	1,000	>1,000	.5	N	N	N	N
M343M	500	300	N	50	700	1,000	.5	N	N	N	N
M345M	500	300	N	50	500	700	.5	N	N	N	N
M347M	500	300	N	70	1,500	700	.5	N	N	N	N
M348M	700	500	N	70	1,500	300	.5	N	N	N	N
M350M	300	300	N	50	1,500	300	.3	N	N	N	N
M351M	500	300	N	20	1,500	300	.5	N	N	N	N
M352M	500	500	N	70	1,000	500	.3	N	N	N	N
M353M	700	500	N	70	1,500	300	.5	N	N	N	N
M355M	500	700	N	70	1,500	500	.2	N	N	N	N
M356M	500	500	N	70	1,500	500	.2	N	N	N	N
M357M	500	700	N	70	1,000	500	.3	N	N	N	N
M359M	500	700	N	50	1,500	500	.3	N	N	N	N
M360M	500	500	N	100	1,500	500	.5	N	N	N	N
M361M	500	500	N	50	1,500	300	.5	N	N	N	N
M365M	500	500	N	50	1,500	700	.5	N	N	N	N
M366M	500	500	N	50	1,000	500	.5	N	N	N	N
M368M	300	300	N	50	1,000	500	.5	N	N	N	N
M369M	500	500	N	70	1,000	500	.5	N	N	N	N
M370M	300	300	N	50	1,000	500	.5	N	N	N	N
M371M	300	300	N	50	1,000	500	.5	N	N	N	N
M372M	500	500	N	50	1,500	700	.5	N	N	N	N
M373M	500	300	N	50	1,000	500	.5	N	N	N	N
M374M	500	300	N	50	1,000	500	.3	N	N	N	N
M375M	500	300	N	50	1,000	500	.5	N	N	N	N
M376M	700	300	N	50	1,000	300	.5	N	N	N	N
M377M	700	300	N	50	1,000	500	.5	N	N	N	N
M378M	300	200	N	50	500	500	.5	N	N	N	N
M379M	500	300	N	50	1,000	500	.3	N	N	N	N
M380M	500	300	N	70	1,000	300	.5	N	N	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfra quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M381M	63 56 24	153 50 53	>5	3.0	>1.00	5,000	<.1	N	N	150	2,000	2
M382M	63 59 26	153 50 1	>5	2.0	1.00	2,000	.3	N	N	200	2,000	5
M383M	63 51 52	153 52 15	>5	2.0	1.00	2,000	.2	N	N	200	1,500	3
M384M	63 50 59	153 53 12	5	5.0	.70	5,000	.2	N	N	200	1,500	2
M385M	63 47 52	153 58 9	5	3.0	.50	10,000	<.1	1,000	N	200	1,000	3
M386M	63 45 50	154 30 17	>5	2.0	1.00	>10,000	.2	N	N	200	1,000	3
M388M	63 47 37	154 35 40	5	2.0	>1.00	5,000	.2	200	N	200	1,000	5
M389M	63 48 44	154 31 7	>5	2.0	1.00	5,000	.2	N	N	200	1,500	3
M391M	63 49 26	154 38 8	5	3.0	1.00	5,000	.2	N	N	200	3,000	3
M392M	63 49 20	154 42 56	>5	2.0	1.00	2,000	.2	N	N	200	2,000	3
M393M	63 51 21	154 45 26	>5	3.0	>1.00	5,000	.2	N	N	200	2,000	3
M395M	63 56 49	154 35 20	5	3.0	.70	10,000	.2	N	N	200	1,000	3
M396M	63 54 51	154 36 2	>5	3.0	>1.00	3,000	.2	N	N	200	1,500	3
M398M	63 58 44	154 32 41	5	2.0	1.00	3,000	2.0	N	N	200	3,000	3
MC02M	63 48 24	155 56 12	5	2.0	1.00	2,000	.7	N	N	200	3,000	3
MC03M	63 50 21	155 55 30	>5	3.0	1.00	3,000	2.0	N	N	200	3,000	3
MC05M	63 51 35	155 48 31	>5	2.0	>1.00	5,000	.5	N	N	150	3,000	3
MC08M	63 56 33	155 42 17	5	1.0	1.00	1,000	.3	N	N	150	1,500	3
MC09M	63 54 1	155 43 7	>5	1.5	1.00	2,000	1.5	N	N	150	3,000	5
MC15M	63 59 42	155 32 31	>5	2.0	>1.00	2,000	.2	N	N	150	5,000	3
MC16M	63 49 49	155 18 38	>5	2.0	1.00	10,000	.2	N	N	150	3,000	3
MC17M	63 50 5	155 18 35	>5	2.0	>1.00	10,000	.2	N	N	150	3,000	3
MC18M	63 49 56	155 15 14	5	3.0	.70	10,000	.2	N	N	200	2,000	2
MC19M	63 52 29	155 25 6	>5	3.0	1.00	>10,000	.2	N	N	200	3,000	5
MC20M	63 52 29	155 24 34	>5	2.0	1.00	3,000	.2	N	N	200	3,000	5
MC21M	63 54 36	155 22 18	>5	2.0	>1.00	7,000	.2	N	N	200	5,000	3
MC22M	63 56 10	155 24 58	>5	2.0	1.00	5,000	.5	N	N	200	5,000	3
MC26M	63 58 44	155 21 56	>5	2.0	1.00	3,000	.3	N	N	200	5,000	3
MC29M	63 54 12	155 36 37	>5	2.0	>1.00	2,000	.2	N	N	200	3,000	3
MC33M	63 51 5	155 30 38	>5	2.0	>1.00	7,000	.3	N	N	200	3,000	3
MC35M	63 45 23	155 47 58	>5	2.0	1.00	10,000	.2	N	N	100	3,000	3
MC39M	63 32 38	155 45 17	>5	2.0	1.00	7,000	.5	N	N	200	3,000	3
MC41M	63 15 42	155 51 1	5	2.0	.70	5,000	.3	N	N	200	3,000	3
MC42M	63 14 47	155 55 22	>5	2.0	1.00	7,000	.2	N	N	200	3,000	3
MC43M	63 14 59	155 54 51	>5	2.0	>1.00	5,000	.5	N	N	200	3,000	3
MC46M	63 45 17	155 27 5	>5	2.0	>1.00	7,000	.3	N	N	200	3,000	3
MC48M	63 49 36	155 35 23	5	1.0	1.00	1,500	.3	N	N	150	2,000	3
MC49M	63 49 11	155 40 56	5	2.0	.70	5,000	.2	N	N	200	2,000	3
MC50M	63 46 49	155 38 32	>5	2.0	1.00	>10,000	.5	N	N	150	3,000	5
MC53M	63 43 27	155 31 44	>5	2.0	1.00	5,000	.5	N	N	200	3,000	3
MC56M	63 40 30	155 46 5	>5	2.0	1.00	7,000	.2	N	N	150	3,000	3
MC57M	63 40 15	155 47 0	>5	2.0	1.00	10,000	.3	N	N	200	3,000	3
MC59M	63 42 18	155 51 33	>5	2.0	1.00	5,000	.5	N	N	200	3,000	3
MC61M	63 35 36	155 56 34	>5	2.0	1.00	10,000	.2	N	N	200	3,000	3
MC66M	63 31 19	155 45 17	>5	2.0	.70	>10,000	1.5	1,000	N	200	3,000	3

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Nadfra quadrangle, Alaska--continued

Sample	S-BE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SN
M381M	N	N	30	200	100	70	N	20	100	20	N	N
M382M	N	N	30	100	70	70	N	20	70	20	N	N
M383M	N	1	20	100	100	70	N	20	70	20	N	N
M384M	N	1	30	100	100	50	N	20	50	20	N	15
M385M	N	1	50	70	100	50	N	20	50	20	N	N
M386M	N	2	30	70	200	70	N	20	70	30	N	N
M388M	N	N	30	70	70	70	N	20	70	20	N	N
M389M	N	N	30	100	100	70	N	20	70	20	N	N
M391M	N	N	50	70	150	50	N	20	70	20	N	N
M392M	N	<1	30	100	150	70	N	20	70	20	N	N
M393M	N	N	30	100	100	70	N	20	70	20	N	N
M395M	N	N	30	70	150	50	N	20	70	20	N	N
M396M	N	N	30	100	100	70	N	20	70	20	N	N
M398M	N	5	30	70	100	70	N	20	70	20	N	N
M402M	N	N	30	70	100	50	N	20	70	20	N	N
M403M	N	2	50	70	200	50	N	20	70	30	N	N
M405M	N	<1	70	150	100	50	N	20	100	20	N	N
M408M	N	N	30	70	50	70	N	20	50	20	N	N
M409M	N	20	50	100	150	100	N	20	200	30	N	N
M415M	N	5	50	200	100	70	N	20	150	20	N	N
M416M	N	<1	50	100	100	100	N	20	100	20	N	N
M417M	N	<1	50	300	100	100	N	20	100	20	N	N
M418M	N	<1	30	70	150	50	N	20	30	30	N	N
M419M	N	7	200	150	200	100	N	20	100	30	N	N
M420M	N	<1	30	100	70	100	N	20	50	20	N	N
M421M	N	<1	50	150	70	100	N	20	70	20	N	N
M422M	N	2	30	100	150	70	N	20	50	30	N	N
M426M	N	N	50	100	150	100	N	20	70	20	N	N
M429M	N	N	50	100	100	100	N	20	70	20	N	10
M433M	N	<1	50	100	100	100	N	20	70	20	N	N
M435M	N	2	50	100	150	50	N	20	70	20	N	<5
M439M	N	N	50	70	100	70	N	20	70	20	N	N
M441M	N	N	50	70	100	50	N	20	70	20	N	N
M442M	N	N	50	100	100	70	N	20	100	20	N	N
M443M	N	N	70	300	100	50	N	20	100	20	N	N
M446M	N	10	100	100	150	70	N	20	100	20	N	N
M448M	N	N	30	100	50	70	N	20	70	20	N	N
M449M	N	1	20	70	100	50	N	20	50	20	N	N
M450M	N	2	150	70	200	50	N	20	70	20	N	N
M453M	N	2	50	300	150	70	N	20	100	20	N	N
M456M	N	N	50	70	50	50	N	20	70	20	N	N
M457M	N	2	50	70	100	50	N	20	70	20	N	N
M459M	N	2	50	70	100	50	N	20	70	20	N	N
M461M	N	2	50	70	100	50	N	20	70	20	N	N
M466M	N	10	200	100	200	50	N	20	150	20	N	10

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Medfra quadrangle, Alaska--continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-NAZ	S-GA	S-GE	S-IN	S-TL
M381M	500	500	N	70	500	700	.5	N	N	N	N
M382M	500	300	N	70	700	500	.3	N	N	N	N
M383M	500	300	N	50	700	500	.5	N	N	N	N
M384M	300	200	N	20	500	300	.5	N	N	N	N
M385M	300	200	N	70	500	300	.5	N	N	N	N
M386M	300	300	N	50	1,000	500	.5	N	N	N	N
M388M	500	300	N	70	1,000	700	.3	N	N	N	N
M389M	300	300	N	50	1,000	500	.5	N	N	N	N
M391M	500	500	N	50	1,000	500	.7	N	N	N	N
M392M	300	500	N	50	1,000	500	.5	N	N	N	N
M393M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M395M	300	200	N	30	1,000	500	.5	N	N	N	N
M396M	500	500	N	70	1,000	700	.5	N	N	N	N
M398M	500	300	N	50	1,500	500	.3	N	N	N	N
M402M	500	300	N	50	1,000	500	.3	N	N	N	N
MC03M	500	500	N	50	1,000	300	.5	N	N	N	N
MC05M	300	500	N	70	1,000	700	.5	N	N	N	N
MC08M	300	300	N	50	1,000	700	.3	N	N	N	N
MC09M	300	500	N	70	1,500	700	.3	N	N	N	N
MC15M	500	500	N	70	1,000	700	.5	N	N	N	N
MC16M	500	500	N	70	1,000	700	.5	N	N	N	N
MC17M	500	500	N	100	1,000	700	.5	N	N	N	N
MC18M	300	500	N	50	1,000	500	.5	N	N	N	N
MC19M	500	500	N	150	1,000	1,000	.5	N	N	N	N
MC20M	500	500	N	70	1,000	700	.5	N	N	N	N
MC21M	500	500	N	100	1,000	500	.5	N	N	N	N
MC22M	500	500	N	50	1,000	700	.5	N	N	N	N
MC26M	500	500	N	100	1,000	700	.5	N	N	N	N
MC29M	500	500	N	100	1,000	700	.5	N	N	N	N
MC33M	500	500	N	100	1,000	1,000	.5	N	N	N	N
MC35M	500	500	N	70	1,000	700	.5	N	N	N	N
MC39M	300	500	N	100	1,000	700	.3	N	N	N	N
MC41M	300	500	N	50	1,000	500	.3	N	N	N	N
MC42M	500	500	N	100	1,000	700	.3	N	N	N	N
MC43M	300	500	N	70	1,000	1,000	.5	N	N	N	N
MC46M	500	500	N	100	1,000	1,000	.5	N	N	N	N
MC48M	300	500	N	70	500	700	.3	N	N	N	N
MC49M	300	300	N	50	1,000	300	.5	N	N	N	N
MC50M	500	500	N	50	1,000	700	.5	N	N	N	N
MC53M	500	500	N	50	700	1,000	.5	N	N	N	N
MC56M	300	500	N	20	500	500	.3	N	N	N	N
MC57M	500	500	N	50	1,000	1,000	.3	N	N	N	N
MC59M	500	500	N	50	1,000	700	.3	N	N	N	N
MC61M	500	500	N	50	500	700	.3	N	N	N	N
MC66M	500	500	N	50	2,000	1,000	.3	N	N	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfield quadrangle, Alaska--continued

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
M467M	63 31 50	155 39 34	>5	2.0	.70	10,000	1.0	1,000	N	200	2,000	3
M468M	63 55 38	154 39 50	>5	2.0	1.00	10,000	.2	N	N	200	2,000	3
M469M	63 57 58	154 41 28	>5	2.0	1.00	7,000	1.0	N	N	200	3,000	3
M470M	63 57 58	154 48 46	>5	2.0	>1.00	5,000	.2	N	N	150	2,000	3
M471M	63 57 16	154 53 39	>5	2.0	>1.00	7,000	.2	N	N	150	3,000	3
M472M	63 57 35	154 53 20	>5	2.0	1.00	5,000	.2	N	N	150	2,000	3
M473M	63 56 36	154 52 1	>5	2.0	>1.00	2,000	.3	N	N	150	3,000	3
M474M	63 53 33	154 56 29	>5	2.0	1.00	7,000	.2	N	N	100	3,000	3
M475M	63 41 0	154 18 24	>5	2.0	1.00	3,000	.2	N	N	150	2,000	3
M476M	63 40 56	154 18 1	>5	2.0	1.00	5,000	.5	N	N	200	3,000	3
M477M	63 44 33	154 16 44	5	1.5	1.00	2,000	.2	N	N	150	2,000	3
M479M	63 46 54	154 17 28	5	2.0	.70	7,000	.2	N	N	150	2,000	3
M480M	63 40 20	153 52 35	5	2.0	1.00	3,000	.2	N	N	150	2,000	3
M481M	63 40 34	153 50 44	5	2.0	1.00	5,000	.2	N	N	150	2,000	3
M482M	63 35 1	153 53 48	5	2.0	1.00	5,000	.2	N	N	200	2,000	3
M484M	63 7 43	154 53 40	5	2.0	1.00	3,000	.2	N	N	150	3,000	3
M485M	63 22 23	155 10 3	>5	2.0	1.00	5,000	.5	N	N	150	3,000	3
M486M	63 20 45	155 11 42	>5	1.5	1.00	3,000	.2	N	N	200	3,000	3
M487M	63 24 13	155 16 51	5	1.0	1.00	2,000	.2	N	N	200	2,000	3
M488M	63 25 32	155 32 3	>5	2.0	>1.00	2,000	.3	N	N	200	3,000	3
M489M	63 31 51	155 30 47	>5	2.0	.70	5,000	.2	N	N	200	3,000	3
M490M	63 31 40	155 27 11	>5	2.0	.70	>10,000	.5	N	N	200	3,000	3
M492M	63 36 21	155 2 32	>5	2.0	1.00	10,000	.2	N	N	150	3,000	3
M493M	63 56 51	154 51 28	>5	2.0	1.00	3,000	.2	N	N	150	3,000	3
M494M	63 52 34	154 53 37	>5	2.0	>1.00	3,000	.2	N	N	150	2,000	3
M495M	63 51 45	154 55 51	>5	2.0	1.00	10,000	.2	N	N	150	3,000	3
M497M	63 46 38	154 58 12	>5	2.0	1.00	10,000	.5	N	N	200	3,000	3
M498M	63 47 19	154 52 6	5	2.0	1.00	3,000	.2	N	N	200	3,000	3
M500M	63 43 7	154 57 33	>5	2.0	1.00	>10,000	.5	N	N	200	5,000	3
M502M	63 42 45	154 46 4	>5	1.5	1.00	1,000	.3	N	N	150	3,000	3
M503M	63 34 58	154 43 36	>5	2.0	1.00	5,000	.2	N	N	150	3,000	3
M504M	63 37 52	154 35 56	5	2.0	1.00	1,500	.2	N	N	150	2,000	3
M505M	63 40 3	154 35 19	5	2.0	.70	5,000	.2	N	N	200	700	3
M506M	63 39 55	154 46 41	5	1.5	1.00	2,000	.3	N	N	150	1,000	3
M507M	63 43 12	153 29 43	>5	1.5	>1.00	5,000	.2	N	N	150	1,500	3
M508M	63 44 0	153 27 59	>5	2.0	>1.00	5,000	.2	N	N	150	1,000	3
M510M	63 41 25	153 32 38	>5	2.0	1.00	7,000	.2	N	N	150	1,500	3
M512M	63 31 28	153 59 6	>5	2.0	1.00	2,000	.1	N	N	200	2,000	3
M513M	63 30 38	153 56 40	>5	2.0	>1.00	2,000	.1	N	N	150	3,000	3
M514M	63 27 15	153 51 2	>5	1.5	>1.00	3,000	.1	N	N	150	1,500	3

Table 9.--Semiquantitative spectrographic analyses of ash of aquatic bryophytes, Medfra quadrangle, Alaska--continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-ND	S-NI	S-PB	S-SB	S-SN
M467M	N	10	50	70	500	50	N	20	150	20	N	<5
M468M	N	2	30	70	100	50	N	20	50	20	N	N
M469M	N	2	50	70	200	50	N	20	50	20	N	N
M470M	N	2	50	100	100	70	N	20	70	20	N	N
M471M	N	2	50	100	100	70	N	20	50	20	N	N
M472M	N	2	30	100	100	70	N	20	70	20	N	N
M473M	N	2	50	200	100	100	N	20	100	20	N	N
M474M	N	1	50	100	70	70	N	20	70	20	N	N
M475M	N	N	50	100	50	100	N	20	70	20	N	N
M476M	N	N	50	100	100	70	N	20	100	30	N	N
M477M	N	N	30	70	70	70	N	20	70	20	N	20
M479M	N	<1	50	70	70	50	N	20	50	20	N	N
M480M	N	<1	50	200	100	50	N	20	70	20	N	N
M481M	N	N	50	100	70	70	N	20	70	20	N	N
M482M	N	<1	50	100	100	70	N	20	70	20	N	N
M483M	N	N	50	100	70	70	N	20	70	20	N	N
M485M	N	<1	50	150	200	70	N	20	100	20	N	N
M486M	N	<1	50	100	100	70	N	20	70	20	N	N
M487M	N	N	30	70	50	50	N	20	50	20	N	N
M488M	N	N	70	300	100	70	N	20	200	20	N	N
M489M	N	1	50	200	150	70	N	20	100	20	N	100
M490M	N	1	70	70	150	70	N	20	70	30	N	N
M492M	N	N	50	70	70	50	N	20	50	20	N	N
M493M	N	<1	50	100	100	70	N	20	50	20	N	N
M494M	N	<1	50	300	100	70	N	20	100	20	N	N
M495M	N	<1	50	70	100	70	N	20	50	20	N	N
M497M	N	2	150	70	100	50	N	20	70	20	N	N
M498M	N	N	30	70	70	70	N	20	50	20	N	N
M500M	N	5	150	70	200	70	N	20	50	30	N	N
M502M	N	1	20	70	50	50	N	20	50	20	N	N
M503M	N	1	30	100	100	50	N	20	70	20	N	20
M504M	N	N	30	100	70	70	N	20	70	20	N	N
M505M	N	2	30	100	100	50	N	20	50	30	N	N
M506M	N	N	50	70	70	50	N	20	50	20	N	N
M507M	N	2	50	100	70	100	N	20	70	20	N	N
M508M	N	1	70	200	100	100	N	20	150	20	N	N
M510M	N	1	30	70	70	70	N	20	70	20	N	N
M512M	N	N	30	100	100	70	N	20	70	20	N	N
M513M	N	1	30	100	100	100	N	20	100	20	N	N
M514M	N	N	50	100	100	50	N	20	100	20	N	N

Table 9.--Semiquantitative spectrographic analyses of samples of ash of aquatic bryophytes, Hadfia quadrangle, Alaska --continued

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-NAX	S-GA	S-GE	S-IN	S-TL
M467M	500	500	N	50	2,000	500	.3	N	N	N	N
M468M	500	500	N	50	1,000	500	.3	N	N	N	N
M469M	500	500	N	50	1,500	500	.3	N	N	N	N
M470M	500	500	N	70	700	700	.5	N	N	N	N
M471M	500	500	N	70	700	700	.5	N	N	N	N
M472M	500	300	N	70	100	700	.3	N	N	N	N
M473M	500	500	N	100	500	1,000	.7	N	N	N	N
M474M	500	300	N	70	500	500	.5	N	N	N	N
M475M	500	500	N	50	1,000	500	.5	N	N	N	N
M476M	500	500	N	50	1,000	500	.3	N	N	N	N
M477M	500	500	N	50	1,000	700	.3	N	N	N	N
M479M	500	300	N	50	1,000	500	.3	N	N	N	N
M480M	500	500	N	50	1,000	500	.5	N	N	N	N
M483M	300	500	N	70	1,000	500	.5	N	N	N	N
M482M	500	500	N	50	1,000	500	.5	N	N	N	N
M484M	500	500	N	50	1,000	500	.5	N	N	N	N
M485M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M486M	500	500	N	50	1,000	1,000	.3	N	N	N	N
M487M	500	500	N	50	1,000	500	.3	N	N	N	N
M488M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M489M	500	500	N	50	1,000	700	.5	N	N	N	N
M490M	500	500	N	50	1,000	700	.5	N	N	N	N
M492M	500	500	N	50	1,000	500	.3	N	N	N	N
M493M	500	500	N	70	1,000	700	.3	N	N	N	N
M494M	500	500	N	70	700	>1,000	.5	N	N	N	N
M495M	500	500	N	50	1,000	700	.5	N	N	N	N
M497M	500	500	N	50	1,000	700	.5	N	N	N	N
M498M	500	500	N	50	1,000	700	.5	N	N	N	N
M500M	500	500	N	50	1,500	1,000	.5	N	N	N	N
M502M	500	500	N	50	1,000	500	.5	N	N	N	N
M503M	500	500	N	50	1,000	700	.5	N	N	N	N
M504M	500	500	N	50	700	500	.5	N	N	N	N
M505M	300	300	N	50	1,000	300	.5	N	N	N	N
M506M	300	500	N	30	700	500	.3	N	N	N	N
M507M	300	500	N	70	1,000	1,000	.3	N	N	N	N
M508M	500	500	N	70	1,000	1,000	.5	N	N	N	N
M510M	500	500	N	50	1,000	500	.3	N	N	N	N
M512M	500	300	N	50	1,000	500	.5	N	N	N	N
M513M	500	500	N	50	1,000	1,000	.5	N	N	N	N
M514M	300	500	N	50	500	1,000	.5	N	N	N	N