UNITED STATES DEPARTMENT OF THE INTERIOR

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SPECTROGRAPHIC AND ATOMIC-ABSORPTION ANALYSES OF GEOCHEMICAL SAMPLES FROM THE MEDFRA QUADRANGLE, ALASKA

By

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A geochemical survey was begun in the Medfra quadrangle, Alaska during 1978 as part of the Alaska Mineral Resource Assessment Program (AMRAP). This report presents analytical data for samples collected during the summer of 1978 (tables 1 and 2). Sample site locations are shown on plate 1.

Stream-sediment samples were collected at 305 sites, and heavy-mineral concentrate samples were collected at 246 of the same sites. Access to sample sites was gained by use of a helicopter.

Most of the samples were taken from active stream channels. Minus-2-mm sediment was collected for the stream-sediment samples. This material was air-dried and sieved in the laboratory with an 80-mesh (0.177 mm) screen; the minus-80-mesh fraction was pulverized and analyzed. Heavy-mineral concentrate samples were collected by panning the minus-2-mm stream sediment to remove most of the light-mineral fraction. The remaining light-mineral grains were removed in the laboratory by passing the samples through bromoform (specific gravity, 2.86). The heavy-mineral concentrate samples were divided into three fractions based on 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] Isodynamic magnetic separator at a setting of 0.1 ampere. Two

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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.

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additional fractions were obtained by passing the remaining sample through the Frantz separator at a setting of 0.6 ampere. The fraction with the least magnetic susceptibility, referred to in this report as nonmagnetic, generally contains most of the minerals of interest in geochemical exploration. A split of this fraction was pulverized with mortar and pestle and used for analysis. The remaining split was saved for mineralogical examination.

Stream-sediment samples and nonmagnetic heavy-mineral concentrate samples were analyzed for 31 elements by semiquantitative emission spectrography (Grimes and Marranzino, 1968). Iron, magnesium, calcium, and titanium are reported in percent; all other analyses are reported in parts per million. The values were reported as geometric midpoints, 1.0, 0.7. 0.5, 0.3, 0.2, 0.15, and so on, of geometric brackets having the boundaries 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, and so on.

Stream-sediment samples were also analyzed for gold, mercury, and zinc using atomic-absorption spectrometry (methods described by Ward and others, 1969).

Spectrographic analyses were done by E. F. Cooley. Atomic-absorption analyses were done by R. M. O'Leary, G. Y. Ito, and A. L. Gruzensky.

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

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" and "AA" in the element column headings preceding the element symbols indicate the method of analysis as follows: S, spectrographic analysis; AA, atomic-absorption analysis.

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

REFERENCES CITED

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Ward, F. N., Nakagawa, H. M., Harms, T. F., and VanSickle, G. H., 1969, Atomic-absorption methods of analysis useful in geochemical exploration: U.S. Geological Survey Bulletin 1289, 45 p.

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.

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
M001S	63 13 54	154 45 49	10	1.5	1.0	1.0	1,500	N	N	N	100	700	2.0
M002S	63 13 60	154 46 40	15	.7	1.5	.5	1,500	70.0	500	20	100	500	2.0
M003S	63 7 9	154 54 46	7	1.0	.7	.5	700	N	N	N	100	1,000	2.0
M004S	63 9 43	154 56 2	7	1.0	1.0	.5	1,500	N	N	N	100	1,000	2.0
M005S	63 12 54	154 55 26	7	1.0	1.0	.5	1,000	N	N	N	100	1,000	2.0
M006S	63 11 0	154 50 5	7	1.0	1.0	.5	1,000	N	N	N	100	1,000	2.0
M007S	63 12 34	154 51 16	5	1.0	1.0	.5	700	N	N	N	100	1,000	2.0
M008S	63 12 36	154 45 48	7	1.0	1.0	.5	1,000	N	N	N	100	1,000	2.0
M009S	63 14 58	154 40 45	7	1.0	.7	.5	700	N	N	N	150	1,000	2.0
M010S	63 15 37	154 38 43	7	1.0	.7	.5	700	N	N	N	150	1,000	2.0
M011S	63 18 13	154 32 49	7	2.0	5.0	.5	1,000	N	N	N	100	700	2.0
M012S	63 17 52	154 31 41	7	5.0	7.0	.3	1,000	N	N	N	50	300	1.5
M013S	63 18 25	154 28 52	7	3.0	5.0	.5	1,500	N	N	N	150	1,000	1.5
M014S	63 17 13	154 28 33	7	5.0	7.0	.3	1,000	N	N	N	70	500	1.5
M015S	63 19 18	154 24 55	7	1.0	1.0	.3	700	N	N	N	150	1,500	1.5
M016S	63 20 23	154 20 30	7	1.5	1.0	.5	1,000	N	N	N	150	1,000	1.5
M017S	63 22 33	154 26 19	7	1.5	1.5	.5	700	N	N	N	100	1,000	1.5
M018S	63 21 5	154 28 40	5	7.0	15.0	.3	700	N	N	N	50	300	<1.0
M019S	63 22 34	154 20 50	5	7.0	15.0	.3	1,000	N	N	N	70	300	<1.0
M020S	63 24 6	154 15 57	5	5.0	10.0	.3	1,000	N	N	N	100	1,000	1.0
M021S	63 26 11	154 53 30	7	1.0	.7	.5	500	N	N	N	150	1,500	2.0
M022S	63 26 49	155 1 23	7	1.0	.5	.5	300	N	N	N	200	1,500	2.0
M023S	63 27 37	155 3 56	5	.7	.7	.3	200	N	N	N	50	1,000	3.0
M024S	63 28 32	155 6 16	2	.5	.7	.2	1,500	N	N	N	50	500	3.0
M025S	63 31 50	155 9 17	10	.7	.2	.5	1,000	N	N	N	150	1,000	2.0
M026S	63 33 53	155 3 27	10	1.0	.5	.7	1,500	N	N	N	150	1,000	2.0
M027S	63 32 43	155 0 30	7	.7	.7	.5	1,000	N	N	N	100	1,000	2.0
M028S	63 32 40	154 56 39	5	.5	.7	.5	3,000	N	N	N	70	700	2.0
M029S	63 30 19	154 56 45	7	1.0	.7	.5	3,000	N	N	N	150	1,000	2.0
M030S	63 28 24	154 52 33	7	.7	.7	.5	1,000	N	N	N	100	700	2.0
M031S	63 25 8	154 52 1	7	.7	.7	.5	700	N	N	N	300	700	1.5
M032S	63 28 39	154 45 45	5	.7	.7	.5	700	N	N	N	150	1,000	1.5
M033S	63 27 46	154 44 35	7	.7	.7	.5	500	N	N	N	150	1,000	1.5
M034S	63 27 29	154 38 14	7	.7	.5	.5	700	N	N	N	150	1,000	1.5
M035S	63 25 13	154 38 2	10	.7	.7	.5	700	N	N	N	150	1,000	1.5
M036S	63 25 13	154 39 6	10	1.0	1.0	.7	1,500	N	N	N	100	1,000	1.5
M037S	63 26 24	154 34 37	10	1.0	.7	.5	1,500	N	N	N	200	1,000	1.5
M038S	63 25 52	154 30 10	10	1.0	.7	.5	1,000	N	N	N	150	1,000	1.5
M039S	63 28 38	154 30 35	10	1.0	.3	.5	1,500	N	N	N	200	1,500	2.0
M040S	63 30 33	154 17 49	20	1.5	1.0	.7	1,500	N	N	N	200	1,000	2.0
M041S	63 27 5	154 33 24	10	1.0	.7	.5	1,500	2.0	N	N	200	1,000	2.0
M042S	63 31 11	154 23 6	15	2.0	1.0	.7	2,000	N	N	N	150	1,500	2.0
M043S	63 29 37	154 38 2	10	1.0	.7	.5	1,000	N	N	N	150	1,000	2.0
M044S	63 30 49	154 30 9	10	1.5	.7	.5	2,000	N	N	N	2,000	1,000	2.0
M045S	63 31 9	154 36 18	10	1.5	.7	.5	2,000	N	N	N	500	1,000	2.0

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.

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
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	300	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	30	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 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M001S	200	200	N	70	<200	1,000	N	.20	1.00	170
M002S	200	200	N	70	500	1,000	N	26.00	4.00	290
M003S	200	200	N	50	<200	300	N	N	.10	70
M004S	200	200	N	50	<200	300	N	N	.10	80
M005S	200	200	N	50	<200	300	N	N	.10	65
M006S	200	200	N	50	<200	300	N	N	.08	65
M007S	200	200	N	50	<200	200	N	N	.08	80
M008S	200	200	N	70	<200	500	N	N	.10	65
M009S	200	300	N	70	<200	300	N	N	.20	100
M010S	200	300	N	50	<200	300	N	N	.20	70
M011S	200	300	N	50	<200	300	N	N	.06	80
M012S	200	200	N	50	<200	200	N	N	.06	80
M013S	200	300	N	50	<200	150	N	N	.10	70
M014S	200	200	N	50	700	200	N	N	.35	550
M015S	200	300	N	30	<200	150	N	N	.20	65
M016S	200	300	N	30	<200	300	N	N	.06	85
M017S	200	300	N	50	<200	300	N	N	.12	75
M018S	200	200	N	20	N	50	N	N	.08	35
M019S	200	200	N	20	300	100	N	N	.04	350
M020S	200	200	N	20	<200	100	N	N	.10	85
M021S	200	300	N	50	<200	300	N	N	.06	130
M022S	200	300	N	70	200	200	N	.05	.06	140
M023S	200	150	N	50	<200	300	N	N	.06	90
M024S	200	50	N	20	<200	300	N	N	.12	50
M025S	200	300	N	50	<200	300	N	N	.06	95
M026S	200	300	N	50	<200	300	N	N	.06	100
M027S	200	300	N	50	<200	300	N	N	.08	60
M028S	200	200	N	50	<200	200	N	N	.20	120
M029S	200	300	N	50	<200	300	N	N	.30	150
M030S	200	200	N	50	<200	300	N	N	.30	55
M031S	200	300	N	50	<200	300	N	N	.16	100
M032S	200	300	N	50	<200	300	N	N	.20	95
M033S	200	300	N	30	<200	300	N	N	.22	55
M034S	200	300	N	50	<200	300	N	N	.10	110
M035S	200	300	N	50	<200	300	N	N	.18	60
M036S	200	300	N	50	<200	500	N	N	.12	55
M037S	200	300	N	50	200	500	N	N	.22	290
M038S	200	300	N	50	<200	300	N	N	.14	90
M039S	200	300	N	50	200	300	N	N	.08	160
M040S	300	300	N	50	<200	500	N	N	.08	95
M041S	200	300	N	50	500	200	N	N	.16	500
M042S	500	300	N	50	200	1,000	N	N	.16	70
M043S	200	300	N	50	<200	300	N	N	.26	90
M044S	200	300	N	50	<200	200	N	2.00	.06	90
M045S	200	300	N	50	<200	300	N	N	.20	120

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M046S	63 32 9	154 42 4	7	1.0	.7	.5	700	N	N	N	100	1,000	2.0
M047S	63 33 37	154 38 11	7	1.0	.7	.7	1,000	N	N	N	200	1,000	2.0
M048S	63 35 34	154 38 36	7	1.0	.7	.7	500	N	N	N	200	1,000	2.0
M049S	63 33 43	154 39 1	7	1.0	.7	.7	700	N	N	N	200	1,000	2.0
M050S	63 31 58	154 26 20	7	1.0	.2	.7	1,000	N	N	N	200	1,000	2.0
M051S	63 34 54	154 28 22	15	1.5	.7	.7	1,000	N	N	N	200	1,500	2.0
M052S	63 35 10	154 21 13	15	1.5	1.0	1.0	2,000	N	N	N	200	1,000	2.0
M053S	63 34 5	154 29 12	7	1.0	.7	.5	1,500	N	N	N	200	1,000	2.0
M054S	63 35 14	154 16 18	10	2.0	1.5	1.0	2,000	N	N	N	200	1,500	2.0
M055S	63 34 58	154 21 18	10	1.5	.7	1.0	3,000	N	N	N	200	1,500	2.0
M056S	63 37 43	154 12 46	7	1.5	.7	.7	1,000	N	N	N	300	1,500	2.0
M057S	63 37 2	154 14 32	7	1.5	.7	.5	2,000	N	200	N	200	1,500	2.0
M058S	63 39 53	154 9 14	5	7.0	15.0	.5	1,000	N	N	N	70	500	1.0
M059S	63 39 54	154 12 28	7	1.5	.7	.5	2,000	N	N	N	200	1,500	2.0
M060S	63 40 18	154 20 1	15	2.0	.7	.5	2,000	N	N	N	200	1,500	2.0
M061S	63 41 39	154 14 42	15	2.0	.7	.5	1,500	N	N	N	200	1,500	2.0
M062S	63 40 32	154 26 34	15	2.0	.7	.5	1,500	N	N	N	200	1,500	2.0
M063S	63 39 4	154 25 43	10	2.0	1.0	.5	1,500	N	N	N	150	1,500	2.0
M064S	63 43 2	154 33 19	15	2.0	1.0	.7	1,000	N	N	N	150	1,500	2.0
M065S	63 37 38	154 29 28	10	1.5	.7	.5	1,500	N	N	N	200	1,500	2.0
M066S	63 42 48	154 29 50	15	2.0	.7	.7	1,500	N	N	N	200	1,000	2.0
M307	63 1 31	153 9 4	10	2.0	1.0	.5	1,500	N	N	N	200	2,000	2.0
M308	63 1 29	153 12 23	10	2.0	1.5	.5	2,000	N	N	N	200	2,000	2.0
M067S	63 5 28	154 47 28	10	1.0	.5	1.0	1,500	N	N	N	150	1,000	1.0
M068S	63 3 48	154 49 38	7	1.0	1.0	1.0	1,000	N	N	N	150	1,000	1.0
M069S	63 6 2	154 53 9	7	1.0	1.0	1.0	700	N	N	N	150	1,000	1.0
M070S	63 5 60	154 51 24	7	1.5	1.0	1.0	700	N	N	N	150	1,000	1.0
M071S	63 2 57	154 55 16	7	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M072S	63 5 29	154 55 60	7	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M073S	63 3 8	155 3 47	10	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M074S	63 1 31	154 58 32	7	1.0	1.0	.7	700	N	N	N	150	1,000	1.0
M075S	63 0 17	155 15 14	7	1.0	1.0	.7	500	N	N	N	150	1,000	1.0
M076S	63 2 29	155 6 20	10	1.5	1.0	.7	1,000	N	N	N	150	1,000	1.0
M077S	63 0 8	155 25 60	7	1.0	1.0	.7	700	N	N	N	150	1,000	1.5
M078S	63 1 15	155 19 34	7	1.5	1.5	.7	700	N	N	N	150	1,000	1.5
M079S	63 2 12	155 28 26	7	1.0	1.0	.7	500	N	N	N	200	1,000	1.5
M080S	63 22 16	155 26 26	15	2.0	1.5	1.0	2,000	N	N	N	700	1,500	1.5
M081S	63 24 11	155 25 54	10	1.5	1.0	1.0	1,000	N	N	N	150	1,500	1.5
M082S	63 24 46	155 23 34	10	1.5	1.0	.7	700	N	N	N	200	1,500	1.0
M083S	63 27 42	155 24 9	10	1.5	1.0	1.0	700	N	N	N	200	1,500	1.0
M084S	63 28 7	155 28 50	10	1.5	1.0	1.0	700	N	N	N	200	1,500	1.0
M085S	63 28 15	155 31 43	10	1.0	.7	.7	700	N	N	N	300	1,500	1.5
M086S	63 24 23	155 35 19	10	2.0	1.0	1.0	1,000	N	N	N	200	1,500	1.5
M087S	63 28 1	155 35 6	10	1.0	.7	.7	1,000	N	N	N	300	1,500	1.0
M088S	63 23 8	155 34 29	10	2.0	1.5	.7	1,500	N	N	N	700	1,500	2.0

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M046S	N	N	15	150	20	70	N	<20	100	20	N	20	N
M047S	N	N	20	150	70	50	N	<20	100	30	N	20	N
M048S	N	N	15	150	30	50	N	<20	100	20	N	20	N
M049S	N	N	15	150	50	50	N	<20	100	20	N	20	N
M050S	N	N	20	150	50	70	N	<20	100	20	N	20	N
M051S	N	N	50	500	100	70	N	20	100	30	N	30	N
M052S	N	N	50	300	150	70	N	<20	100	30	N	30	N
M053S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M054S	N	N	30	300	100	70	N	<20	100	30	N	20	N
M055S	N	N	50	200	150	50	N	<20	150	50	N	30	N
M056S	N	N	20	150	70	50	N	<20	100	20	N	20	N
M057S	N	N	20	150	70	50	N	<20	100	30	N	20	N
M058S	N	N	10	150	20	50	N	<20	50	30	N	10	N
M059S	N	N	15	150	50	50	N	<20	100	20	N	20	N
M060S	N	N	30	150	50	50	N	<20	100	20	N	20	N
M061S	N	N	30	200	50	50	N	<20	100	20	N	20	N
M062S	N	N	30	200	70	50	N	<20	150	20	N	20	N
M063S	N	N	20	200	50	50	N	<20	100	20	N	20	N
M064S	N	N	30	150	30	50	N	<20	100	20	N	20	N
M065S	N	N	20	150	70	50	N	<20	100	20	N	20	N
M066S	N	N	30	200	70	50	N	<20	150	20	N	20	N
M307	N	N	50	150	150	50	N	<20	150	30	N	20	N
M308	N	N	50	150	150	50	N	<20	150	30	N	20	N
M067S	N	N	10	500	15	50	N	<20	50	<10	N	20	N
M068S	N	N	10	150	20	50	N	<20	70	20	N	20	N
M069S	N	N	10	150	20	50	N	<20	50	10	N	20	N
M070S	N	N	10	150	50	50	N	<20	70	10	N	20	N
M071S	N	N	10	150	50	50	N	<20	70	15	N	20	N
M072S	N	N	15	150	20	50	N	<20	70	10	N	20	N
M073S	N	N	15	150	50	50	N	<20	100	20	N	20	N
M074S	N	N	10	150	20	50	N	<20	70	15	N	20	N
M075S	N	N	10	150	20	50	N	<20	70	15	N	20	N
M076S	N	N	10	150	30	50	N	<20	100	20	N	20	N
M077S	N	N	10	150	20	50	N	<20	70	20	N	20	N
M078S	N	N	15	150	50	50	N	<20	100	20	N	20	N
M079S	N	N	10	150	20	50	N	<20	70	15	N	20	N
M080S	N	N	20	700	100	50	N	<20	100	20	N	30	N
M081S	N	N	20	200	50	50	N	<20	70	20	N	20	N
M082S	N	N	20	200	70	50	N	<20	100	20	N	20	N
M083S	N	N	15	200	30	50	N	<20	100	15	N	20	N
M084S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M085S	N	N	20	200	30	50	N	<20	100	20	N	20	N
M086S	N	N	20	200	100	50	N	<20	100	20	N	20	N
M087S	N	N	20	150	30	50	N	<20	100	10	N	15	N
M088S	N	N	20	300	100	70	N	<20	100	30	N	20	N

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M046S	200	300	N	50	<200	300	N	N	.22	60
M047S	200	300	N	70	200	200	N	N	.14	100
M048S	200	300	N	70	<200	300	N	N	.22	65
M049S	200	300	N	50	<200	500	N	N	.14	65
M050S	200	300	N	50	<200	300	N	N	.04	110
M051S	200	500	N	70	<200	300	N	N	.10	90
M052S	300	300	N	50	<200	1,000	N	N	.10	90
M053S	200	300	N	50	<200	300	N	N	.12	80
M054S	500	300	N	50	<200	300	N	N	.04	75
M055S	300	500	N	50	<200	200	N	N	.16	110
M056S	200	300	N	50	<200	200	N	N	.14	85
M057S	300	300	N	50	<200	200	N	N	.10	80
M058S	200	200	N	30	<200	50	N	<.05	.04	50
M059S	300	300	N	50	200	200	N	N	.04	95
M060S	200	300	N	50	<200	200	N	N	.22	90
M061S	200	300	N	50	<200	200	N	N	.08	85
M062S	200	500	N	50	<200	300	N	N	.10	80
M063S	300	300	N	50	<200	300	N	N	.10	70
M064S	200	300	N	50	N	300	N	N	.08	50
M065S	200	300	N	50	<200	200	N	N	.12	70
M066S	200	500	N	50	<200	300	N	N	.10	95
M307	200	500	N	50	200	200	N	N	.20	120
M308	200	500	N	50	<200	200	N	N	.20	140
M067S	200	300	N	50	N	700	N	N	.06	50
M068S	200	200	N	50	N	500	N	N	.04	55
M069S	200	300	N	70	N	500	N	N	.06	50
M070S	200	300	N	50	N	300	N	N	.04	55
M071S	200	300	N	50	N	300	N	N	.04	65
M072S	200	300	N	50	N	500	N	N	.04	55
M073S	200	300	N	50	N	300	N	N	.06	80
M074S	200	300	N	50	N	300	N	N	.10	60
M075S	200	300	N	30	N	200	N	N	.08	50
M076S	200	500	N	50	N	700	N	N	.06	55
M077S	200	300	N	50	N	300	N	N	.10	65
M078S	200	300	N	50	N	300	N	N	.08	60
M079S	200	300	N	50	N	300	N	N	.08	55
M080S	300	700	N	50	N	500	N	N	.35	70
M081S	300	500	N	50	N	300	N	N	.12	80
M082S	200	500	N	50	N	300	N	N	.16	75
M083S	200	300	N	50	N	500	N	N	.14	65
M084S	200	300	N	50	N	300	N	N	.10	80
M085S	200	500	N	50	N	300	N	N	.18	85
M086S	300	500	N	50	N	200	N	N	.20	75
M087S	200	500	N	30	N	200	N	N	.20	80
M088S	300	500	N	50	N	300	N	N	.20	75

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M089S	63 23 31	155 38 24	10	2.0	1.0	.7	1,000	N	N	N	500	1,500	1.5
M090S	63 22 23	155 38 16	7	1.5	1.0	1.0	700	N	N	N	150	700	2.0
M091S	63 20 12	155 37 55	7	1.5	1.0	1.0	1,000	N	N	N	700	700	2.0
M092S	63 19 37	155 33 15	7	1.5	1.0	1.0	1,000	N	N	N	1,000	1,000	2.0
M093S	63 18 10	155 30 40	7	1.5	1.0	1.0	1,000	N	N	N	300	1,000	2.0
M094S	63 19 35	155 22 26	7	.7	1.0	1.0	500	N	N	N	150	700	2.0
M095S	63 17 2	155 37 50	5	.7	.5	1.0	300	N	N	N	150	700	2.0
M096S	63 21 41	155 21 13	5	.7	.7	1.0	500	N	N	N	200	1,000	2.0
M097S	63 16 56	155 42 15	5	1.0	.3	1.0	300	N	N	N	200	1,000	2.0
M098S	63 1 50	155 31 44	7	1.0	.7	1.0	300	N	N	N	150	1,000	2.0
M099S	63 0 47	155 40 25	7	1.0	.7	1.0	700	N	N	N	150	1,000	2.0
M100S	63 0 40	155 49 28	7	1.0	.7	1.0	300	N	N	N	150	1,000	2.0
M101S	63 3 1	155 51 42	7	1.0	.7	1.0	700	N	N	N	150	1,000	2.0
M102S	63 2 59	155 54 52	7	1.0	1.0	1.0	500	N	N	N	150	1,000	2.0
M103S	63 5 20	155 48 8	5	.7	.7	.7	500	N	N	N	150	700	2.0
M104S	63 5 3	155 56 8	7	1.0	.7	1.0	1,000	N	N	N	150	1,000	2.0
M105S	63 4 53	155 52 12	7	1.0	1.0	1.0	700	N	N	N	150	1,000	2.0
M106S	63 7 24	155 57 52	5	1.0	.7	1.0	500	N	N	N	150	1,000	2.0
M107S	63 9 17	155 57 18	7	2.0	1.0	1.0	1,000	N	N	N	500	1,000	2.0
M108S	63 11 57	155 49 39	7	1.0	1.0	1.0	500	N	N	N	150	1,000	2.0
M109S	63 12 44	155 49 28	7	1.0	.7	1.0	500	<.5	N	N	300	1,000	2.0
M111S	63 13 13	155 59 44	10	2.0	1.0	1.0	1,000	N	N	N	500	1,000	2.0
M112S	63 13 48	155 45 16	7	1.0	.7	1.0	500	N	N	N	200	1,000	2.0
M113S	63 12 56	155 42 29	7	1.0	.7	1.0	500	N	N	N	200	700	2.0
M114S	63 20 24	155 55 46	7	1.0	.5	1.0	500	N	N	N	200	1,000	1.5
M115S	63 16 49	155 58 22	7	1.0	.5	1.0	300	N	N	N	200	1,000	1.5
M116S	63 20 41	155 46 43	10	1.0	.7	1.0	700	N	N	N	200	1,000	1.5
M117S	63 21 12	155 50 1	7	1.0	.7	1.0	700	N	N	N	150	1,000	1.5
M118S	63 20 23	155 46 33	10	1.0	.5	1.0	500	N	N	N	200	1,000	1.5
M119S	63 17 47	155 40 55	7	1.0	.7	1.0	500	N	N	N	200	1,000	1.5
M120S	63 23 33	155 46 20	7	1.0	.7	1.0	700	N	N	N	200	1,000	1.5
M121S	63 22 36	155 49 39	7	1.0	.3	1.0	1,000	N	N	N	200	1,000	1.5
M122S	63 23 48	155 45 45	7	1.0	.7	1.0	700	N	N	N	200	1,000	1.5
M123S	63 26 43	155 47 12	7	1.0	.7	1.0	500	N	N	N	200	1,000	1.5
M124S	63 26 23	155 42 31	7	1.0	.7	1.0	500	N	N	N	200	1,000	1.5
M125S	63 28 13	155 44 59	10	1.0	.5	1.0	700	N	N	N	300	1,000	1.5
M126S	63 26 13	155 42 31	7	1.0	.7	1.0	1,500	N	N	N	200	1,500	1.5
M127S	63 29 9	155 57 50	15	2.0	2.0	1.0	2,000	N	N	N	300	1,500	2.0
M128S	63 26 10	155 59 34	10	1.0	.5	1.0	1,000	N	N	N	300	1,000	1.5
M129S	63 29 42	155 46 23	10	1.0	.7	1.0	700	N	N	N	300	1,500	1.5
M130S	63 25 52	155 59 37	10	1.0	.7	1.0	700	N	N	N	300	1,500	1.5
M131S	63 52 47	155 9 15	10	2.0	2.0	1.0	1,000	N	N	N	100	1,500	1.5
M132S	63 29 6	155 53 23	10	1.0	1.0	1.0	1,000	N	N	N	300	1,500	1.5
M133S	63 51 50	155 7 54	10	1.0	1.0	1.0	700	N	N	N	200	1,500	1.5
M134S	63 29 18	155 53 52	15	1.5	1.0	1.0	200	N	N	N	500	1,500	1.5

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M089S	N	N	20	300	100	70	N	<20	100	30	N	20	N
M090S	N	N	20	200	50	70	N	<20	100	30	N	30	N
M091S	N	N	20	200	50	50	N	<20	100	30	N	30	N
M092S	N	N	20	200	50	70	N	<20	100	30	N	30	N
M093S	N	N	20	200	50	70	N	<20	100	50	N	30	N
M094S	N	N	10	150	20	50	N	<20	70	20	N	20	N
M095S	N	N	10	150	15	50	N	<20	70	10	N	20	N
M096S	N	N	10	150	20	50	N	<20	70	10	N	20	N
M097S	N	N	10	200	20	50	N	<20	100	10	N	20	N
M098S	N	N	10	150	30	50	N	<20	70	20	N	20	N
M099S	N	N	20	150	30	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	30	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	30	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

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M089S	300	500	N	50	N	300	N	N	.20	95
M090S	300	300	N	70	N	200	N	N	.65	70
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	.08	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	.18	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	.08	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

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M135S	63 51 36	155 3 28	10	1.0	1.0	1.0	1,000	N	N	N	150	1,500	1.5
M136S	63 29 14	155 37 5	10	1.0	.7	1.0	1,500	N	N	N	500	1,500	1.5
M137S	63 54 26	155 3 5	7	1.0	1.0	.7	700	N	N	N	150	1,000	2.0
M138S	63 29 26	155 37 10	7	1.0	.7	.7	500	N	N	N	200	1,000	2.0
M139S	63 54 47	155 3 1	7	1.0	1.0	.7	500	N	N	N	150	1,000	2.0
M141S	63 59 15	155 5 7	7	1.0	1.0	1.0	1,000	N	N	N	150	1,000	2.0
M142S	63 52 26	155 16 46	7	1.0	1.0	.7	1,000	N	N	N	150	1,500	2.0
M143S	63 54 35	155 18 34	7	1.0	1.0	.7	700	N	N	N	150	1,500	2.0
M144S	63 57 8	155 19 31	7	1.0	1.0	.7	1,000	N	N	N	150	1,000	2.0
M145S	63 58 27	155 16 37	7	1.0	1.0	1.0	500	N	N	N	200	1,500	1.5
M146S	63 56 44	155 12 11	10	1.5	1.0	.7	1,000	5.0	N	N	200	1,000	1.5
M147S	63 56 32	155 11 29	7	1.0	1.0	.7	1,500	N	N	N	150	1,000	1.5
M148S	63 57 25	155 10 16	10	1.0	1.0	1.0	1,500	N	N	N	150	1,000	1.5
M149S	63 55 21	155 6 51	10	1.5	1.5	1.0	1,000	N	N	N	150	1,500	1.5
M150S	63 31 30	154 14 54	10	1.5	1.0	.7	1,000	N	N	N	200	1,500	2.0
M151S	63 33 15	154 13 27	10	1.5	1.5	.7	1,000	N	N	N	200	2,000	2.0
M152S	63 33 22	154 11 46	10	1.0	.7	.7	700	N	N	N	300	1,500	2.0
M153S	63 34 28	154 9 60	5	.7	.7	.5	1,000	N	N	N	200	700	1.5
M154S	63 33 51	154 2 47	7	3.0	5.0	.7	700	N	N	N	200	700	1.5
M155S	63 34 14	154 4 5	7	3.0	5.0	.5	1,000	N	N	N	200	700	1.5
M156S	63 33 33	154 2 56	7	10.0	20.0	.5	500	N	N	N	70	300	<1.0
M158S	63 30 53	154 11 13	5	10.0	20.0	.3	500	N	N	N	50	200	<1.0
M159S	63 33 50	153 57 29	10	1.5	2.0	.7	700	N	N	N	200	1,000	1.5
M160S	63 31 26	154 2 6	10	2.0	3.0	.5	500	N	N	N	200	1,000	1.5
M161S	63 34 56	153 58 42	7	2.0	2.0	.5	1,000	N	N	N	200	1,000	1.5
M162S	63 34 57	153 54 28	10	1.0	1.0	1.0	700	N	N	N	150	1,000	2.0
M163S	63 43 21	153 54 38	7	1.5	1.0	1.0	1,500	N	N	N	150	1,000	2.0
M164S	63 39 46	153 55 54	10	1.0	1.5	1.0	700	N	N	N	150	1,000	2.0
M165S	63 44 51	153 55 24	7	1.5	1.0	1.0	700	N	N	N	100	1,000	2.0
M166S	63 39 51	153 50 21	10	3.0	3.0	1.0	700	N	N	N	200	1,000	2.0
M167S	63 41 43	153 42 46	7	3.0	7.0	1.0	700	N	N	N	150	1,000	2.0
M168S	63 45 50	153 47 48	7	1.5	1.5	1.0	1,000	N	N	N	200	1,000	2.0
M169S	63 39 26	153 44 39	7	2.0	2.0	1.0	1,000	N	N	N	150	1,000	1.5
M170S	63 41 23	153 43 42	7	3.0	5.0	.7	1,000	N	N	N	150	1,000	1.5
M171S	63 7 38	155 8 42	10	1.5	1.5	1.0	1,000	N	N	N	150	1,500	2.0
M172S	63 9 13	155 3 22	7	1.5	1.0	.7	500	N	N	N	150	1,500	2.0
M173S	63 9 21	155 11 33	10	1.5	1.0	1.0	1,000	N	N	N	150	1,000	2.0
M174S	63 6 10	155 13 25	10	1.5	1.0	1.0	700	N	N	N	150	1,500	2.0
M175S	63 14 47	154 52 45	7	1.5	1.0	.7	500	N	N	N	150	1,500	2.0
M177S	63 17 29	154 46 44	7	1.5	1.5	.7	700	N	N	N	200	1,000	2.0
M178S	63 16 7	154 46 38	10	1.5	1.5	1.0	700	N	N	N	150	1,000	2.0
M179S	63 20 32	154 41 28	7	1.5	1.0	.7	700	N	N	N	150	1,500	2.0
M180S	63 18 15	154 41 35	10	1.5	1.0	.7	700	N	N	N	200	1,500	2.0
M181S	63 22 39	154 41 3	7	1.5	.7	.7	700	N	N	N	200	1,500	2.0
M182S	63 21 1	154 38 26	10	1.5	.7	.7	1,000	N	N	N	200	1,500	2.0

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
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
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
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	50	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

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M135S	300	300	N	70	N	300	N	N	.16	60
M136S	200	300	N	70	200	200	N	N	.08	220
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
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	300	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	40
M168S	300	300	N	50	N	200	N	N	.12	65
M169S	300	300	N	70	N	300	N	N	.26	40
M170S	300	300	N	50	N	200	N	N	.08	40
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

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M183S	63 22 35	154 31 35	10	5.0	10.0	.5	1,500	N	N	N	150	1,000	2.0
M184S	63 21 11	154 37 22	10	2.0	2.0	.7	1,500	N	N	N	100	1,000	2.0
M185S	63 23 40	154 46 20	7	1.0	1.0	.7	500	N	N	N	100	1,500	2.0
M186S	63 23 14	154 44 30	10	2.0	1.0	1.0	1,000	N	N	N	150	1,500	2.0
M187S	63 21 2	154 53 4	7	1.0	1.0	.7	500	N	N	N	150	1,500	2.0
M188S	63 23 3	154 47 46	7	1.0	.7	.7	200	N	N	N	200	1,500	2.0
M189S	63 21 15	154 59 1	7	1.0	.7	.7	500	N	N	N	150	1,500	2.0
M190S	63 20 39	154 56 56	10	1.0	1.0	.7	700	N	N	N	200	1,500	2.0
M191S	63 20 7	155 3 38	10	1.5	1.0	.7	500	N	N	N	200	1,500	2.0
M192S	63 20 42	155 0 27	10	1.0	1.0	.7	700	N	N	N	200	1,500	2.0
M193S	63 23 29	155 5 11	10	1.5	.7	.7	500	N	N	N	150	1,500	2.0
M194S	63 21 30	155 7 15	10	1.0	.7	.7	500	N	N	N	150	1,500	2.0
M195S	63 26 11	155 7 52	7	1.0	.3	1.0	700	N	N	N	150	1,500	2.0
M196S	63 24 47	155 3 51	5	.5	.5	1.0	500	N	N	N	150	1,500	2.0
M197S	63 26 39	155 16 32	7	1.0	.7	1.0	500	N	N	N	200	1,000	2.0
M198S	63 25 47	155 12 40	5	.7	.7	1.0	500	N	N	N	100	1,000	2.0
M199S	63 46 21	153 52 50	7	1.0	2.0	1.0	700	N	N	N	200	1,000	2.0
M200S	63 28 16	155 21 16	7	1.0	.7	1.0	700	N	N	N	150	1,000	2.0
M201S	63 46 40	153 48 48	7	1.0	1.0	.7	2,000	N	N	N	150	1,000	2.0
M202S	63 49 19	153 47 37	7	3.0	7.0	.5	500	N	N	N	100	700	1.0
M203S	63 52 0	153 37 38	7	5.0	10.0	.5	1,000	N	N	N	100	700	1.0
M204S	63 54 48	153 33 33	7	3.0	10.0	.5	700	N	N	N	100	700	1.0
M205S	63 56 22	153 33 12	7	2.0	2.0	.7	500	N	N	N	200	1,000	1.5
M206S	63 54 46	153 29 54	7	2.0	2.0	.7	700	N	N	N	200	1,000	1.0
M207S	63 58 11	153 18 17	7	2.0	2.0	.7	700	N	N	N	200	1,000	1.0
M208S	63 56 59	153 12 34	7	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M209S	63 57 5	153 5 28	10	1.0	1.0	.5	700	N	N	N	150	700	7.0
M210S	63 58 1	153 3 43	7	1.0	1.0	.7	700	N	N	N	150	1,000	2.0
M211S	63 56 39	153 7 17	10	1.5	1.0	1.0	700	N	N	N	150	1,000	1.0
M213S	63 52 44	153 5 29	10	1.5	1.0	1.0	1,500	N	N	N	150	1,000	1.0
M214S	63 43 52	154 4 17	7	1.5	2.0	.7	1,500	N	N	N	150	1,000	1.0
M215S	63 51 24	153 19 25	7	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M216S	63 50 30	153 18 21	10	1.5	1.0	.7	1,000	N	N	N	150	1,000	1.0
M217S	63 48 60	153 13 31	7	1.0	1.0	1.0	700	N	N	N	150	1,000	1.0
M218S	63 47 44	153 16 53	7	1.5	1.5	1.0	1,000	N	N	N	150	1,000	1.0
M219S	63 46 25	153 19 15	7	1.5	2.0	1.0	700	N	N	N	100	1,000	1.0
M220S	63 45 38	153 12 14	10	1.5	2.0	1.0	1,000	N	N	N	200	1,000	1.0
M221S	63 46 21	153 2 33	10	1.5	1.5	1.0	700	N	N	N	200	1,000	1.0
M222S	63 49 36	153 5 59	10	1.5	1.5	1.0	700	N	N	N	150	1,000	1.0
M223S	63 51 -	153 9 2	10	1.5	1.5	.7	1,000	N	N	N	150	1,500	1.0
M224S	63 51 47	153 8 23	10	1.5	1.5	.7	700	N	N	N	150	1,500	1.0
M225S	63 51 50	153 3 30	7	1.5	1.5	.7	1,000	N	N	N	200	1,500	1.0
M226S	63 53 13	153 15 1	10	1.5	1.5	.7	1,000	N	N	N	100	1,500	1.0
M227S	63 54 46	153 14 2	10	1.5	1.0	.7	200	N	N	N	100	1,500	1.0
M228S	63 55 19	153 20 52	7	2.0	2.0	.7	700	N	N	N	150	1,000	1.0

Table 1.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M183S	N	N	30	150	30	50	N	<20	100	50	N	20	N
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	50	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
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 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M183S	200	300	N	50	<200	300	N	N	.06	75
M184S	200	300	N	50	200	300	N	N	.06	90
M185S	200	300	N	70	<200	500	N	N	.06	80
M186S	300	300	N	50	<200	200	N	N	<.02	75
M187S	200	300	N	50	<200	200	N	N	.08	75
M188S	200	300	N	50	<200	300	N	N	.10	65
M189S	200	300	N	70	<200	300	N	N	.10	75
M190S	200	300	N	70	<200	300	N	N	.06	75
M191S	200	300	N	70	<200	300	N	N	.04	80
M192S	200	300	N	50	200	300	N	N	.06	80
M193S	200	500	N	70	<200	300	N	N	.06	95
M194S	200	300	N	50	<200	500	N	N	.06	60
M195S	200	300	N	50	<200	200	N	N	1.80	110
M196S	200	300	N	50	<200	300	N	N	1.10	70
M197S	200	300	N	50	<200	300	N	N	.08	80
M198S	200	200	N	50	<200	300	N	N	.16	55
M199S	300	300	N	50	<200	300	N	N	.04	90
M200S	200	300	N	50	<200	200	N	N	.08	90
M201S	200	300	N	50	<200	200	N	N	.04	80
M202S	300	300	N	50	<200	150	N	N	.08	55
M203S	200	300	N	50	<200	100	N	N	.02	45
M204S	200	200	N	50	<200	150	N	N	.04	55
M205S	300	300	N	50	<200	200	N	N	.04	75
M206S	300	300	N	50	N	200	N	N	.15	70
M207S	300	300	N	50	N	500	N	N	.04	60
M208S	200	300	N	50	<200	500	N	N	.06	60
M209S	200	200	N	50	N	300	N	N	.06	65
M210S	200	300	N	50	<200	300	N	N	.04	55
M211S	200	300	N	50	<200	500	N	N	.04	45
M213S	300	300	N	50	N	300	N	N	.02	60
M214S	300	300	N	50	N	300	N	N	.02	75
M215S	300	300	N	50	N	200	N	N	.08	65
M216S	300	300	N	50	N	500	N	N	.10	65
M217S	300	300	N	50	N	300	N	N	.06	55
M218S	300	300	N	50	N	700	N	N	.04	50
M219S	300	300	N	50	N	500	N	N	.04	65
M220S	300	300	N	50	<200	500	N	N	.02	60
M221S	300	300	N	50	<200	700	N	N	.02	45
M222S	300	300	N	50	N	300	N	N	.08	60
M223S	300	300	N	50	N	300	N	N	.06	60
M224S	300	300	N	50	N	500	N	N	.06	55
M225S	300	300	N	50	N	300	N	N	.04	65
M226S	300	300	N	50	N	300	N	N	.02	70
M227S	300	300	N	50	<200	300	N	N	.06	65
M228S	300	300	N	50	N	300	N	N	.04	80

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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	2.0	1.5	.7	700	N	N	N	150	1,500	1.0
M230S	63 53 47	153 21 41	10	1.5	2.0	.7	1,000	N	N	N	150	1,500	1.0
M231S	63 50 44	153 25 25	10	1.5	2.0	.7	500	N	N	N	150	1,500	1.0
M232S	63 48 51	153 28 38	10	3.0	3.0	.7	500	N	N	N	150	1,500	1.0
M233S	63 28 59	154 15 26	7	10.0	20.0	.3	700	N	N	N	100	200	<1.0
M234S	63 29 24	154 25 28	5	1.0	1.0	.5	1,500	N	N	N	300	1,500	1.5
M235S	63 30 0	154 4 10	7	5.0	15.0	.3	2,000	N	N	N	150	700	1.0
M236S	63 28 41	154 8 14	7	5.0	10.0	.5	700	N	N	N	200	700	1.0
M237S	63 29 6	154 7 42	5	7.0	20.0	.3	300	N	N	N	100	300	<1.0
M238S	63 25 44	154 3 43	7	3.0	5.0	.5	700	N	N	N	200	1,500	1.0
M239S	63 25 41	154 6 28	7	3.0	5.0	.5	1,000	N	N	N	100	1,000	1.0
M240S	63 27 34	154 9 27	10	3.0	5.0	.5	1,000	N	N	N	200	1,500	1.0
M241S	63 27 9	154 10 23	7	5.0	10.0	.3	1,000	N	N	N	200	500	<1.0
M242S	63 25 51	154 10 32	3	1.0	2.0	.5	300	N	N	N	100	1,000	1.0
M243S	63 25 9	154 12 8	7	3.0	7.0	.5	700	N	N	N	200	1,000	1.0
M244S	63 24 25	154 7 60	7	1.5	1.0	1.0	500	N	N	N	200	1,500	1.5
M245S	63 22 14	154 11 13	7	1.5	1.0	1.0	500	N	N	N	200	100	1.5
M246S	63 26 58	154 19 29	3	10.0	>20.0	.2	200	N	N	N	100	200	1.0
M247S	63 26 34	154 22 37	10	3.0	7.0	.5	1,000	N	N	N	200	1,000	2.0
M248S	63 26 20	154 25 3	10	3.0	5.0	--	2,000	N	N	N	300	1,000	2.0
M249S	63 24 52	154 23 31	5	5.0	10.0	.3	500	N	N	N	100	700	1.0
M250S	63 43 47	154 20 7	10	2.0	1.0	.5	1,000	N	N	N	300	2,000	2.0
M251S	63 44 5	154 20 26	5	1.0	1.0	.5	500	N	N	N	200	1,500	1.0
M252S	63 43 42	154 15 29	7	2.0	1.0	.7	500	N	N	N	200	1,500	1.0
M253S	63 47 43	154 13 20	7	2.0	1.0	.7	700	N	N	N	200	1,000	1.0
M254S	63 48 17	154 18 17	7	2.0	2.0	.7	700	N	N	N	200	1,000	1.0
M255S	63 51 14	154 24 3	10	2.0	1.5	.7	700	N	N	N	200	1,500	1.0
M256S	63 53 2	154 28 1	10	2.0	1.5	1.0	700	N	N	N	200	1,000	1.0
M257S	63 55 17	154 23 23	10	2.0	1.5	1.0	1,000	N	N	N	200	1,000	1.0
M258S	63 55 28	154 24 5	10	2.0	1.5	1.0	700	N	N	N	200	1,500	1.0
M259S	63 55 42	154 21 36	10	2.0	2.0	1.0	1,000	N	N	N	300	1,000	1.0
M260S	63 58 54	154 21 9	10	2.0	2.0	1.0	700	N	N	N	200	1,500	1.0
M261S	63 57 57	154 9 51	10	2.0	1.5	.7	100	N	N	N	200	1,500	1.0
M262S	63 56 46	154 11 29	10	2.0	1.0	.7	100	N	N	N	300	1,500	1.0
M263S	63 56 25	154 11 20	10	2.0	1.5	.7	700	N	N	N	300	1,000	1.0
M264S	63 52 36	154 10 33	10	2.0	2.0	.7	700	N	N	N	300	1,000	1.0
M265S	63 50 24	154 5 49	10	2.0	1.5	.7	1,000	N	N	N	200	1,500	1.0
M266S	63 49 10	154 4 21	10	2.0	2.0	.7	1,000	N	N	N	200	1,500	1.0
M267S	63 46 22	154 8 13	10	2.0	1.5	.7	1,000	N	N	N	200	1,500	1.0
M268S	63 44 50	154 7 46	10	2.0	1.5	.5	1,000	N	N	N	200	1,500	1.0
M269S	63 43 44	154 7 9	10	1.0	2.0	.7	700	N	N	N	200	1,500	1.5
M270S	63 42 12	154 4 54	7	3.0	10.0	.5	500	N	N	N	150	700	1.0
M271S	63 6 35	154 8 33	7	1.5	1.5	1.0	1,000	N	N	N	150	1,500	1.0
M272S	63 7 12	153 56 13	7	1.5	2.0	1.0	1,000	N	N	10	150	1,000	1.0
M273S	63 10 13	153 54 27	7	1.5	1.0	.7	700	N	N	N	150	1,000	1.0

Table 1.—Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M229S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M230S	N	N	30	200	50	70	N	<20	70	20	N	20	N
M231S	N	N	20	150	30	70	N	<20	70	20	N	20	N
M232S	N	N	20	150	30	70	N	<20	70	20	N	20	N
M233S	N	N	<5	100	10	50	N	<20	20	20	N	5	N
M234S	N	N	20	200	20	50	N	<20	50	20	N	20	N
M235S	N	N	20	150	20	50	N	<20	50	20	N	20	N
M236S	N	N	20	150	50	50	N	<20	100	50	N	20	N
M237S	N	N	<5	150	20	50	N	<20	50	30	N	5	N
M238S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M239S	N	N	20	150	70	50	N	<20	100	50	N	20	N
M240S	N	N	20	150	50	50	N	<20	100	30	N	20	N
M241S	N	N	15	150	30	50	N	<20	100	30	N	15	N
M242S	N	N	10	150	50	50	N	<20	100	30	N	15	N
M243S	N	N	20	150	50	50	N	<20	100	30	N	15	N
M244S	N	N	20	150	50	50	N	<20	100	30	N	20	N
M245S	N	N	20	200	50	70	N	<20	100	30	N	20	N
M246S	N	N	<5	100	10	50	N	<20	100	20	N	<5	N
M247S	N	N	20	200	50	50	N	<20	100	30	N	20	N
M248S	N	N	20	200	20	50	N	<20	70	30	N	20	N
M249S	N	N	<5	150	20	50	N	<20	50	20	N	10	N
M250S	N	N	30	200	50	50	N	<20	100	50	N	20	N
M251S	N	N	20	150	20	50	N	<20	50	20	N	20	N
M252S	N	N	20	200	50	50	N	<20	100	30	N	20	N
M253S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M254S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M255S	N	N	30	200	50	50	N	<20	100	20	N	20	N
M256S	N	N	30	200	50	50	N	<20	100	20	N	20	N
M257S	N	N	30	200	30	50	N	<20	100	20	N	20	N
M258S	N	N	30	200	30	50	N	<20	100	20	N	20	N
M259S	N	N	30	200	30	50	N	<20	100	30	N	20	N
M260S	N	N	30	150	50	50	N	<20	100	20	N	20	N
M261S	N	N	30	150	50	50	N	<20	100	30	N	20	N
M262S	N	N	30	200	50	50	N	<20	100	30	N	20	N
M263S	N	N	30	150	20	50	N	<20	100	20	N	20	N
M264S	N	N	20	150	20	50	N	<20	100	30	N	20	N
M265S	N	N	20	150	50	50	N	<20	100	30	N	20	N
M266S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M267S	N	N	20	200	50	50	N	<20	100	20	N	20	N
M268S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M269S	N	N	20	150	50	50	N	<20	100	30	N	20	N
M270S	N	N	10	150	30	50	N	<20	70	50	N	15	N
M271S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M272S	N	N	20	150	20	50	N	<20	50	20	N	30	N
M273S	N	N	20	150	50	50	N	<20	70	30	N	20	N

Table 1.—Semiqusntitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.—continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M229S	300	300	N	50	N	300	N	N	.08	60
M230S	300	300	N	50	N	300	N	N	.02	60
M231S	300	300	N	50	<200	300	N	N	.02	55
M232S	300	300	N	50	<200	300	N	N	.06	55
M233S	200	100	N	10	N	30	N	N	.04	25
M234S	300	300	N	50	<200	150	N	N	.08	80
M235S	200	300	N	50	<200	150	N	N	.04	55
M236S	200	300	N	50	<200	100	N	N	.04	80
M237S	200	200	N	30	<200	50	N	N	.02	80
M238S	200	500	N	50	<200	300	N	N	.04	65
M239S	200	300	N	50	<200	300	N	N	.06	65
M240S	200	500	N	50	<200	200	N	N	.06	80
M241S	200	300	N	30	<200	100	N	N	.10	70
M242S	200	300	N	50	200	100	N	N	.14	200
M243S	300	300	N	50	300	150	N	N	.08	240
M244S	200	300	N	50	<200	200	N	N	.06	75
M245S	200	300	N	70	<200	300	N	N	.12	60
M246S	200	200	N	10	<200	30	N	N	.10	45
M247S	500	300	N	50	<200	200	N	N	.22	95
M248S	500	300	N	50	<200	300	N	N	.26	80
M249S	200	200	N	50	500	50	N	N	.26	180
M250S	500	300	N	50	<200	300	N	N	.18	100
M251S	300	300	N	50	<200	200	N	<.05	.18	80
M252S	300	300	N	50	N	300	N	N	.18	85
M253S	200	300	N	50	<200	300	N	N	.18	65
M254S	200	300	N	50	<200	300	N	N	.18	60
M255S	200	300	N	50	N	300	N	N	.14	75
M256S	200	300	N	50	N	500	N	<.05	.08	60
M257S	200	300	N	50	N	500	N	N	.08	55
M258S	300	300	N	50	N	300	N	N	.08	65
M259S	300	300	N	50	N	300	N	N	.14	65
M260S	300	300	N	50	N	500	N	N	.06	75
M261S	300	300	N	50	N	300	N	N	.20	85
M262S	300	300	N	50	N	300	N	N	.06	65
M263S	300	300	N	50	N	500	N	N	.04	50
M264S	300	300	N	50	N	300	N	N	.04	50
M265S	300	300	N	50	N	300	N	N	.18	55
M266S	300	300	N	50	N	500	N	N	.04	50
M267S	300	300	N	50	N	300	N	N	.06	60
M268S	300	300	N	50	<200	200	N	N	.04	55
M269S	300	300	N	50	N	200	N	N	.10	65
M270S	300	300	N	20	N	200	N	N	.06	55
M271S	300	300	N	50	N	500	N	N	.06	55
M272S	300	300	N	70	N	700	N	N	.06	45
M273S	300	300	N	50	N	300	N	N	.06	60

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M274S	63 10 21	153 53 60	7	1.5	1.5	1.0	1,000	N	N	N	150	1,000	1.0
M275S	63 13 51	153 50 6	7	1.5	1.5	1.0	1,000	N	N	N	200	1,000	1.0
M276S	63 14 4	153 50 38	7	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M277S	63 17 42	153 53 29	7	1.5	1.0	.7	700	N	N	N	150	1,000	1.0
M278S	63 11 19	154 2 11	7	1.5	1.5	1.0	700	N	N	N	150	1,000	1.0
M279S	63 25 31	154 29 15	7	1.5	1.5	.7	1,500	N	N	N	150	1,500	1.0
M280S	63 19 11	154 20 30	7	1.5	1.0	.7	1,000	N	N	N	150	1,500	1.0
M281S	63 19 38	154 9 55	7	1.5	1.0	.7	1,000	N	N	N	200	1,500	1.0
M282S	63 20 15	154 0 55	7	1.5	1.0	.7	1,000	N	N	N	150	1,500	1.0
M283S	63 16 37	154 16 41	7	1.5	1.0	.7	700	N	N	N	150	1,500	1.0
M284S	63 1 45	153 4 32	7	1.5	1.0	.7	700	N	N	N	150	1,500	1.0
M285S	63 2 36	153 7 58	7	1.5	1.0	.7	700	N	N	N	200	2,000	1.0
M286S	63 3 50	153 10 57	7	1.5	1.0	.7	1,000	N	N	N	150	2,000	1.0
M287S	63 6 55	153 6 27	7	1.5	1.0	.7	1,000	N	N	N	150	2,000	1.0
M288S	63 8 43	153 2 14	7	1.5	1.0	.7	1,000	N	N	N	150	2,000	1.0
M289S	63 14 4	153 4 41	7	1.5	1.0	.7	1,000	N	N	N	150	1,500	1.0
M290S	63 13 25	153 10 1	10	1.5	1.0	.7	1,500	N	N	N	150	2,000	1.0
M291S	63 12 10	153 15 36	7	1.5	1.0	.5	700	N	N	N	150	2,000	1.0
M292S	63 37 5	155 21 28	7	1.0	1.0	1.0	700	N	N	N	150	1,000	1.5
M293S	63 41 22	155 34 18	5	1.0	.3	.5	500	N	N	N	150	1,000	1.0
M294S	63 44 51	155 39 58	7	1.0	.7	.7	500	N	N	N	150	1,000	1.0
M295S	63 43 57	155 42 9	7	1.0	.7	.7	700	N	N	N	200	1,000	1.0
M296S	63 42 54	155 44 20	7	1.0	.7	.7	1,000	N	N	N	150	1,500	1.0
M297S	63 45 16	155 48 48	7	1.0	1.0	.5	700	N	N	N	150	1,500	1.0
M298S	63 42 10	155 55 48	5	1.0	.7	1.0	500	N	N	N	150	1,000	1.0
M299S	63 41 12	155 56 21	5	1.0	1.0	1.0	500	N	N	N	150	1,000	1.0
M300S	63 40 7	155 54 36	7	1.0	1.0	.7	700	N	N	N	200	1,000	1.5
M301S	63 38 39	155 47 39	7	1.0	1.0	1.0	500	N	N	N	200	1,000	2.0
M302S	63 36 36	155 58 0	10	1.5	.7	1.0	1,000	N	N	N	200	1,000	2.0
M303S	63 35 28	155 58 28	5	1.0	1.0	.7	700	N	N	N	150	1,000	2.0
M304S	63 36 10	155 57 7	10	1.5	.7	1.0	1,000	N	N	N	200	1,000	2.0
M305S	63 33 15	155 59 28	10	2.0	2.0	1.0	1,000	N	N	N	200	2,000	2.0
M306S	63 32 52	155 51 23	7	1.0	1.0	1.0	1,000	N	N	N	200	1,500	1.5
M212S	63 13 48	155 45 16	7	1.0	1.0	1.0	500	N	N	N	150	1,000	1.5
M140S	63 56 17	155 3 32	7	1.0	1.5	1.0	1,000	N	N	N	50	1,000	1.5

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from 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
M274S	N	N	20	500	20	50	N	<20	30	15	N	30	N
M275S	N	N	20	150	20	50	N	<20	50	15	N	20	N
M276S	N	N	20	150	20	50	N	<20	70	20	N	20	N
M277S	N	N	20	150	20	50	N	<20	50	20	N	20	N
M278S	N	N	20	150	20	50	N	<20	50	15	N	20	N
M279S	N	N	20	300	50	50	N	<20	100	20	N	20	N
M280S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M281S	N	N	15	150	20	50	N	<20	70	15	N	20	N
M282S	N	N	20	150	50	50	N	<20	70	20	N	20	N
M283S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M284S	N	N	20	150	100	50	N	<20	100	50	N	20	N
M285S	N	N	20	150	100	50	N	<20	100	30	N	20	N
M286S	N	N	20	150	100	50	N	<20	100	20	N	20	N
M287S	N	N	20	150	70	50	N	<20	100	20	N	20	N
M288S	N	N	20	150	50	50	N	<20	100	30	N	20	N
M289S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M290S	N	N	30	200	100	50	N	<20	100	50	N	20	N
M291S	N	N	20	150	50	50	N	<20	100	20	N	20	N
M292S	N	N	20	150	30	50	N	<20	100	30	N	30	N
M293S	N	N	15	200	30	50	N	<20	100	15	N	20	N
M294S	N	N	20	200	20	50	N	<20	100	20	N	20	N
M295S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M296S	N	N	20	200	30	50	N	<20	100	20	N	15	N
M297S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M298S	N	N	15	100	20	50	N	<20	50	15	N	20	N
M299S	N	N	15	150	20	50	N	<20	50	20	N	20	N
M300S	N	N	20	150	30	50	N	<20	100	20	N	20	N
M301S	N	N	20	150	30	50	N	<20	70	30	N	20	N
M302S	N	N	50	200	30	50	N	<20	100	20	N	30	N
M303S	N	N	20	150	30	50	N	<20	70	20	N	20	N
M304S	N	N	30	200	30	50	N	<20	100	20	N	20	N
M305S	N	N	30	200	100	50	N	<20	100	50	N	30	N
M306S	N	N	20	150	50	50	N	<20	50	20	N	20	N
M212S	N	N	20	150	20	50	N	<20	50	20	N	20	N
M140S	N	N	20	150	20	50	N	<20	70	20	N	20	N

Table 1.--Semiquantitative spectrographic and atomic-absorption analyses of minus-80 mesh fraction of stream-sediment samples from Medfra quadrangle, Alaska.--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-HG	AA-ZN-P
M274S	300	300	N	50	N	1,000	N	N	.06	35
M275S	300	300	N	50	N	700	N	N	.02	50
M276S	300	300	N	50	N	300	N	N	.06	50
M277S	300	300	N	50	N	500	N	N	.06	45
M278S	300	300	N	50	N	500	N	N	.36	60
M279S	300	500	N	50	N	300	N	N	.14	95
M280S	300	300	N	50	N	300	N	N	.12	75
M281S	300	300	N	50	N	500	N	N	.06	55
M282S	300	300	N	70	N	500	N	N	.06	60
M283S	300	300	N	50	N	500	N	N	.04	65
M284S	300	300	N	50	N	300	N	N	.22	60
M285S	300	300	N	50	N	300	N	N	.10	60
M286S	300	300	N	50	N	200	N	N	.18	85
M287S	300	300	N	50	N	200	N	N	.12	80
M288S	300	300	N	50	N	300	N	N	.12	70
M289S	300	300	N	50	N	300	N	N	.08	80
M290S	300	300	N	50	N	200	N	N	.16	100
M291S	300	300	N	50	N	200	N	N	.04	75
M292S	300	300	N	70	<200	200	N	N	.20	75
M293S	200	300	N	50	<200	200	N	N	.24	80
M294S	200	300	N	50	N	200	N	N	.12	65
M295S	300	300	N	50	<200	200	N	N	.22	80
M296S	200	300	N	20	<200	300	N	N	.16	80
M297S	300	300	N	70	<200	500	N	N	.10	70
M298S	200	300	N	50	<200	150	N	N	.26	75
M299S	300	300	N	50	<200	200	N	N	.22	60
M300S	300	300	N	50	<200	200	N	N	.14	80
M301S	300	300	N	50	N	300	N	N	.26	60
M302S	200	300	N	50	<200	200	N	N	.35	95
M303S	300	300	N	50	<200	200	N	N	.18	55
M304S	200	300	N	50	<200	300	N	.16	.08	80
M305S	1,500	500	N	50	N	700	N	N	.18	40
M306S	300	300	N	50	<200	200	N	N	.32	75
M212S	300	300	N	50	N	300	N	N	.20	45
M140S	300	300	N	50	N	200	N	N	.08	55

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from Medfra quadrangle, Alaska.

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
M001C3	63 13 54	154 45 49	2.0	.2	7.0	>1.00	500	N	N	20	50	200
M002C3	63 13 60	154 46 40	3.0	.5	3.0	>1.00	500	70	N	70	70	200
M005C3	63 12 54	154 55 26	2.0	1.0	5.0	>1.00	300	N	N	N	100	500
M006C3	63 11 0	154 50 5	2.0	1.5	5.0	>1.00	500	N	N	N	100	700
M008C3	63 12 36	154 45 48	2.0	2.0	5.0	>1.00	500	N	N	N	200	200
M009C3	63 14 58	154 40 45	3.0	1.5	2.0	>1.00	300	N	N	N	1,500	700
M010C3	63 15 37	154 38 43	2.0	1.0	3.0	>1.00	300	N	N	N	150	1,000
M011C3	63 18 13	154 32 49	2.0	3.0	10.0	.70	500	N	N	N	100	700
M012C3	63 17 52	154 31 41	1.0	7.0	15.0	.30	300	N	N	N	20	100
M013C3	63 18 25	154 28 52	2.0	1.5	5.0	>1.00	500	N	N	N	50	>5,000
M014C3	63 17 13	154 28 33	2.0	5.0	20.0	.30	500	N	N	N	30	5,000
M015C3	63 19 18	154 24 55	2.0	1.0	5.0	>1.00	300	N	N	N	50	5,000
M016C3	63 20 23	154 20 30	5.0	1.5	7.0	>1.00	1,000	N	N	N	200	1,000
M017C3	63 22 33	154 26 19	1.0	5.0	10.0	.30	300	N	N	N	100	500
M018C3	63 21 5	154 28 40	7.0	7.0	10.0	.70	700	5	N	N	50	5,000
M019C3	63 22 34	154 20 50	7.0	7.0	10.0	1.00	700	1	N	N	50	5,000
M020C3	63 24 6	154 15 57	2.0	1.5	10.0	.50	500	N	N	N	50	>5,000
M021C3	63 26 11	154 53 30	2.0	.5	5.0	>1.00	1,000	N	N	N	300	1,000
M022C3	63 26 49	155 1 23	20.0	.3	5.0	1.00	1,500	7	1,500	N	200	1,000
M023C3	63 27 57	155 3 56	1.5	.5	2.0	>1.00	1,000	N	N	N	150	500
M024C3	63 28 32	155 6 16	1.5	.1	2.0	>1.00	500	N	N	N	20	500
M025C3	63 31 50	155 9 17	5.0	.7	1.0	>1.00	700	N	N	N	500	1,000
M026C3	63 33 53	155 3 27	5.0	1.0	1.0	>1.00	700	N	N	N	>2,000	500
M027C3	63 32 43	155 0 30	1.5	.2	1.0	>1.00	500	N	N	N	1,000	300
M028C3	63 32 40	154 56 39	3.0	1.5	10.0	>1.00	5,000	N	7,000	N	2,000	500
M029C3	63 30 19	154 56 45	2.0	.5	5.0	>1.00	1,000	N	N	N	500	500
M030C3	63 28 24	154 52 33	3.0	1.0	7.0	>1.00	2,000	N	N	N	700	100
M031C3	63 25 8	154 52 1	10.0	1.5	.5	1.00	1,000	N	700	N	>2,000	700
M032C3	63 28 39	154 45 45	2.0	.2	.7	1.00	300	N	N	N	200	700
M033C3	63 27 46	154 44 35	2.0	.5	5.0	>1.00	300	N	N	N	300	1,500
M034C3	63 27 29	154 38 14	3.0	3.0	5.0	>1.00	1,000	N	N	N	150	1,500
M035C3	63 25 13	154 38 2	3.0	3.0	3.0	>1.00	1,000	N	N	N	>2,000	1,000
M036C3	63 25 13	154 39 6	3.0	3.0	10.0	>1.00	1,000	N	N	N	200	1,000
M037C3	63 26 24	154 34 37	5.0	1.0	1.0	>1.00	1,000	2	N	N	1,000	2,000
M038C3	63 25 52	154 30 10	5.0	.5	10.0	>1.00	700	N	N	N	300	3,000
M039C3	63 28 38	154 30 35	3.0	.5	.5	>1.00	500	10	N	N	700	1,000
M040C3	63 30 33	154 17 49	3.0	2.0	10.0	1.00	1,000	30	N	50	500	2,000
M041C3	63 27 5	154 33 24	5.0	1.0	1.0	>1.00	700	7	N	N	1,000	5,000
M042C3	63 31 11	154 23 6	2.0	.2	10.0	1.00	500	N	N	N	100	700
M043C3	63 29 37	154 38 2	5.0	2.0	1.0	>1.00	500	N	N	N	>2,000	500
M044C3	63 30 49	154 30 9	7.0	2.0	1.0	>1.00	500	50	500	50	>2,000	300
M045C3	63 31 9	154 36 18	7.0	2.0	1.5	>1.00	1,000	N	N	N	>2,000	500
M046C3	63 32 9	154 42 4	2.0	.1	.3	>1.00	300	N	N	N	500	1,500
M047C3	63 33 37	154 38 11	3.0	.7	7.0	>1.00	1,000	N	N	N	2,000	1,000
M048C3	63 35 34	154 38 36	3.0	.5	5.0	1.00	300	N	N	N	>2,000	1,000

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from Medfra quadrangle, Alaska.

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M001C3	<2	50	N	<10	100	200	700	70	<50	<10	700
M002C3	<2	1,000	N	<10	50	20,000	500	50	<50	<10	150
M005C3	<2	N	N	<10	300	200	300	N	<50	<10	50
M006C3	<2	N	N	<10	300	150	300	N	<50	<10	30
M008C3	<2	50	N	<10	150	700	500	N	<50	<10	50
M009C3	<2	N	N	10	200	100	150	N	100	30	50
M010C3	<2	N	N	<10	200	200	200	N	70	20	50
M011C3	<2	N	N	<10	100	100	150	N	<50	30	30
M012C3	<2	N	N	<10	70	10	50	N	<50	<10	100
M013C3	<2	30	N	<10	100	500	100	N	<50	20	50
M014C3	<2	70	N	<10	100	70	200	N	<50	20	30
M015C3	<2	50	N	<10	100	70	100	N	<50	20	30
M016C3	<2	N	N	30	100	500	150	N	<50	50	20
M017C3	<2	20	N	<10	100	150	100	N	<50	20	20
M018C3	<2	N	N	100	100	500	100	N	<50	200	200
M019C3	<2	N	N	20	150	150	100	N	<50	100	200
M020C3	<2	N	N	<10	50	30	150	N	<50	20	20
M021C3	<2	N	N	10	200	200	300	N	<50	20	150
M022C3	<2	N	N	50	150	150	100	N	100	200	150
M023C3	<2	>1,000	N	10	200	200	150	N	<50	<10	50
M024C3	<2	50	N	<10	50	70	500	N	100	<10	50
M025C3	<2	N	N	20	500	150	300	N	50	100	50
M026C3	<2	N	N	20	500	700	>1,000	N	50	70	70
M027C3	<2	N	N	<10	150	150	>1,000	N	50	30	20
M028C3	<2	20	N	70	200	150	700	N	50	50	70
M029C3	<2	N	N	10	300	200	1,000	20	100	20	50
M030C3	<2	N	N	10	500	200	500	N	70	50	1,000
M031C3	3	30	N	15	300	200	100	N	<50	150	50
M032C3	<2	N	N	<10	150	100	150	N	<50	30	20
M033C3	<2	N	N	<10	1,000	200	700	N	<50	20	50
M034C3	<2	N	N	20	3,000	100	200	N	<50	100	500
M035C3	<2	30	N	20	2,000	100	150	N	<50	100	500
M036C3	<2	N	N	20	1,500	30	200	N	<50	100	100
M037C3	<2	N	N	10	500	100	150	N	<50	50	2,000
M038C3	<2	N	N	10	300	150	200	N	<50	100	70
M039C3	<2	700	N	10	200	100	50	N	70	50	70
M040C3	<2	N	N	10	1,000	30	1,000	N	N	100	50
M041C3	<2	70	N	10	500	200	200	N	70	50	3,000
M042C3	<2	N	N	<10	200	50	1,000	N	N	<10	50
M043C3	<2	50	N	10	500	200	200	N	100	50	100
M044C3	<2	700	N	50	500	500	300	N	50	50	50
M045C3	<2	<20	N	10	500	150	300	N	50	50	200
M046C3	<2	<20	N	<10	100	100	100	N	150	20	100
M047C3	<2	50	N	10	150	150	300	N	100	20	200
M048C3	<2	N	N	<10	150	100	100	N	<50	20	20

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from Medfra quadrangle, Alaska.

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
M001C3	N	50	150	200	100	N	1,000	N	>1,000	<200
M002C3	N	30	200	200	100	200	500	N	>1,000	<200
M005C3	N	70	200	200	200	N	500	N	>1,000	<200
M006C3	N	50	150	200	200	N	300	N	>1,000	N
M008C3	N	20	150	200	200	N	500	N	>1,000	N
M009C3	N	20	50	200	200	<100	200	N	>1,000	N
M010C3	N	30	70	300	200	N	200	N	>1,000	N
M011C3	N	20	N	700	150	N	200	N	>1,000	N
M012C3	N	<10	N	200	70	N	100	N	1,000	N
M013C3	N	20	N	700	200	N	200	N	>1,000	N
M014C3	N	<10	N	1,500	100	N	200	<500	1,000	N
M015C3	N	20	N	700	300	N	100	N	>1,000	N
M016C3	N	20	N	500	300	100	100	N	1,000	N
M017C3	N	20	N	500	150	N	200	N	>1,000	N
M018C3	N	20	N	500	100	N	150	N	>1,000	N
M019C3	N	20	N	300	200	N	100	1,000	>1,000	N
M020C3	N	50	N	1,000	100	N	200	N	1,000	N
M021C3	N	70	>1,000	500	200	100	300	N	>1,000	N
M022C3	N	20	20	200	150	N	150	N	300	N
M023C3	N	70	200	200	200	100	500	N	>1,000	1,000
M024C3	N	50	200	200	70	150	1,000	N	>1,000	1,500
M025C3	N	50	N	700	200	N	200	N	>1,000	<200
M026C3	N	50	50	1,500	200	500	500	N	>1,000	2,000
M027C3	N	50	100	200	100	200	1,000	N	>1,000	1,000
M028C3	N	50	150	1,000	200	500	300	N	>1,000	200
M029C3	N	100	500	200	200	1,000	700	N	>1,000	1,500
M030C3	N	50	150	500	200	150	300	N	1,000	N
M031C3	N	30	200	200	300	<100	50	N	500	N
M032C3	N	20	100	300	100	100	70	N	>1,000	N
M033C3	N	50	100	1,000	200	N	500	N	>1,000	N
M034C3	N	50	>1,000	1,500	300	N	100	N	>1,000	N
M035C3	N	50	500	500	300	N	150	N	>1,000	N
M036C3	N	70	100	500	300	N	150	N	>1,000	N
M037C3	N	30	>1,000	700	200	N	100	N	>1,000	N
M038C3	N	50	100	2,000	200	N	300	N	>1,000	N
M039C3	N	30	150	500	200	<100	70	N	>1,000	N
M040C3	N	50	150	1,000	200	<100	500	N	>1,000	N
M041C3	N	30	>1,000	2,000	300	<100	70	500	>1,000	N
M042C3	N	30	50	700	100	N	300	N	>1,000	N
M043C3	N	70	200	500	300	<100	200	N	>1,000	N
M044C3	N	70	150	200	300	<100	100	N	>1,000	N
M045C3	N	70	200	300	300	<100	200	N	>1,000	N
M046C3	N	50	50	200	70	N	150	N	>1,000	N
M047C3	N	50	200	1,000	200	<100	200	N	>1,000	N
M048C3	N	20	300	700	200	N	200	N	1,000	N

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M049C3	63 33 43	154 39 1	1.5	.3	2.0	>1.00	200	N	N	N	500	1,000
M050C3	63 31 58	154 26 20	3.0	5.0	5.0	>1.00	700	N	N	N	200	300
M051C3	63 34 54	154 28 22	2.0	3.0	5.0	>1.00	700	N	N	N	200	>5,000
M052C3	63 35 10	154 21 13	5.0	1.5	2.0	1.00	700	N	N	N	70	300
M053C3	63 34 5	154 29 12	3.0	3.0	5.0	>1.00	700	N	N	N	2,000	500
M054C3	63 35 14	154 16 18	3.0	1.0	15.0	1.00	700	N	N	N	100	500
M055C3	63 34 58	154 21 18	5.0	2.0	5.0	.50	700	N	N	N	150	700
M056C3	63 37 43	154 12 46	5.0	1.5	7.0	>1.00	700	N	N	N	200	>5,000
M057C3	63 37 2	154 14 32	5.0	2.0	7.0	>1.00	1,000	N	N	N	>2,000	1,500
M058C3	63 39 53	154 9 14	7.0	5.0	10.0	.70	700	N	1,000	N	200	700
M059C3	63 39 54	154 12 28	5.0	.5	5.0	>1.00	500	N	N	N	2,000	1,500
M060C3	63 40 18	154 20 1	10.0	2.0	5.0	>1.00	1,000	N	N	N	>2,000	500
M061C3	63 41 39	154 14 42	5.0	1.5	7.0	>1.00	1,000	N	N	N	>2,000	5,000
M062C3	63 40 32	154 26 34	5.0	.3	1.5	>1.00	700	N	N	N	300	>5,000
M063C3	63 39 4	154 25 43	3.0	.5	2.0	1.00	1,000	N	N	N	300	2,000
M064C3	63 43 2	154 33 19	3.0	.3	3.0	>1.00	500	N	N	N	300	1,000
M065C3	63 37 38	154 29 28	3.0	1.0	7.0	>1.00	500	15	N	70	>2,000	2,000
M066C3	63 42 48	154 29 50	5.0	1.0	3.0	>1.00	700	N	N	N	200	2,000
M067C3	63 5 28	154 47 28	3.0	1.0	5.0	>1.00	700	N	N	N	200	2,000
M068C3	63 3 48	154 49 38	3.0	1.0	3.0	1.00	500	N	N	N	200	1,000
M069C3	63 6 2	154 53 9	2.0	1.0	3.0	>1.00	500	N	N	N	200	1,000
M070C3	63 5 60	154 51 24	3.0	1.5	5.0	>1.00	700	N	N	N	200	1,500
M071C3	63 2 57	154 55 16	2.0	.5	3.0	>1.00	300	N	N	N	200	700
M074C3	63 1 31	154 58 32	2.0	.7	3.0	>1.00	700	N	N	N	200	1,000
M075C3	63 0 17	155 15 14	2.0	1.0	3.0	>1.00	700	N	N	N	300	700
M076C3	63 2 29	155 6 20	2.0	.7	3.0	1.00	500	N	N	N	200	700
M077C3	63 0 8	155 25 60	2.0	.7	3.0	>1.00	700	N	N	N	200	700
M080C3	63 22 16	155 26 26	3.0	1.5	5.0	>1.00	500	N	N	N	>2,000	500
M081C3	63 24 11	155 25 54	2.0	1.5	10.0	>1.00	700	N	N	N	500	500
M082C3	63 24 46	155 23 34	2.0	1.0	2.0	>1.00	500	N	N	N	300	700
M083C3	63 27 42	155 24 9	2.0	1.0	2.0	>1.00	500	N	N	N	300	700
M084C3	63 28 7	155 28 50	2.0	.5	2.0	>1.00	300	N	N	N	500	5,000
M085C3	63 28 15	155 31 43	3.0	.7	2.0	>1.00	300	N	N	N	300	>5,000
M086C3	63 24 23	155 35 19	3.0	1.0	15.0	>1.00	1,500	N	N	N	300	300
M087C3	63 28 1	155 35 6	2.0	1.0	5.0	>1.00	500	N	N	N	300	>5,000
M088C3	63 23 8	155 34 29	2.0	1.0	10.0	>1.00	700	N	N	N	1,000	300
M089C3	63 23 31	155 38 24	3.0	1.5	10.0	.50	1,000	N	N	N	2,000	300
M090C3	63 22 23	155 38 16	3.0	3.0	10.0	.50	1,500	N	N	N	500	500
M091C3	63 20 12	155 37 55	5.0	3.0	5.0	>1.00	1,000	N	N	N	>2,000	300
M092C3	63 19 37	155 33 15	3.0	2.0	7.0	>1.00	1,000	N	N	N	>2,000	300
M093C3	63 18 10	155 30 40	3.0	2.0	5.0	>1.00	700	N	N	N	>2,000	300
M094C3	63 19 35	155 22 26	1.5	.3	.7	>1.00	200	N	N	N	1,500	1,500
M095C3	63 17 2	155 37 50	1.5	.3	.5	>1.00	200	N	N	N	300	700
M096C3	63 21 41	155 21 13	1.5	.3	1.5	>1.00	300	N	N	N	500	700
M097C3	63 16 56	155 42 15	1.5	.7	1.0	>1.00	300	N	N	N	200	1,500

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M049C3	<2	N	N	10	200	100	200	N	100	<10	150
M050C3	<2	N	N	20	3,000	100	70	N	70	30	20
M051C3	<2	N	N	20	1,000	100	200	N	<50	30	20
M052C3	<2	N	N	70	300	30	300	N	N	50	<20
M053C3	<2	N	N	20	3,000	70	150	N	50	100	30
M054C3	<2	50	N	<10	200	50	1,000	N	N	50	20
M055C3	<2	N	N	10	700	50	500	N	<50	50	20
M056C3	<2	70	N	20	700	300	300	15	70	100	50
M057C3	<2	N	N	20	1,000	200	>1,000	N	100	70	200
M058C3	2	N	N	10	500	100	100	N	<50	50	150
M059C3	<2	30	N	10	200	150	>1,000	N	70	30	500
M060C3	<2	N	N	20	700	100	>1,000	<10	<50	150	50
M061C3	<2	N	N	10	700	100	500	N	N	50	50
M062C3	<2	500	N	15	200	50	200	N	N	50	50
M063C3	<2	N	N	10	150	50	>1,000	N	N	20	150
M064C3	<2	N	N	<10	100	20	200	N	70	<10	20
M065C3	<2	N	N	<10	700	100	500	N	<50	20	20
M066C3	<2	N	N	20	300	100	150	N	<50	20	100
M067C3	<2	N	N	15	200	50	150	<10	<50	50	30
M068C3	<2	N	N	15	150	20	50	N	<50	50	<20
M069C3	<2	N	N	10	200	100	200	N	50	20	<20
M070C3	<2	N	N	15	200	70	100	N	<50	70	<20
M071C3	<2	N	N	<10	300	30	200	N	50	<10	20
M074C3	<2	N	N	10	200	30	100	N	50	20	20
M075C3	<2	N	N	10	300	50	100	N	50	20	30
M076C3	2	N	N	10	150	20	100	N	<50	20	20
M077C3	<2	N	N	10	200	30	200	N	50	20	20
M080C3	<2	N	N	10	700	50	500	N	50	50	100
M081C3	<2	N	N	10	700	70	700	N	50	50	50
M082C3	<2	N	N	10	700	50	300	N	70	30	30
M083C3	<2	N	N	10	700	50	300	N	50	30	20
M084C3	<2	N	N	10	700	50	500	N	<50	20	50
M085C3	<2	N	N	10	700	50	200	N	100	20	20
M086C3	<2	N	N	10	700	50	1,000	N	<50	30	20
M087C3	<2	N	N	10	1,500	20	300	N	50	30	20
M088C3	<2	N	N	<10	500	20	300	N	<50	20	20
M089C3	<2	N	N	10	500	50	100	N	<50	50	20
M090C3	2	N	N	20	2,000	30	200	N	<50	100	20
M091C3	<2	N	N	20	2,000	50	200	N	<50	50	100
M092C3	<2	N	N	10	700	50	300	N	<50	30	50
M093C3	2	N	N	10	700	50	300	N	<50	30	300
M094C3	<2	N	N	<10	150	50	200	N	50	<10	100
M095C3	<2	N	N	10	200	50	200	N	100	20	50
M096C3	<2	N	N	10	200	50	300	N	50	<10	100
M097C3	<2	N	N	20	500	100	500	N	100	<10	20

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
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	500	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	100	500	300	<100	300	5,000	>1,000	<200
M062C3	N	70	70	300	150	N	500	5,000	>1,000	N
M063C3	N	20	N	500	150	N	200	7,000	>1,000	500
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	30	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 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M098C3	63 1 50	155 31 44	1.0	.2	10.0	.10	700	N	N	N	100	500
M099C3	63 0 47	155 40 25	2.0	.5	1.0	.50	300	N	N	N	100	700
M100C3	63 0 40	155 49 28	1.5	.3	.7	.30	300	N	N	N	100	500
M101C3	63 3 1	155 51 42	1.0	.3	.7	.20	200	N	N	N	70	500
M103C3	63 5 20	155 48 8	1.0	.3	1.0	.50	300	N	N	N	70	500
M104C3	63 5 3	155 56 8	3.0	5.0	5.0	>1.00	1,000	N	N	N	200	5,000
M105C3	63 4 53	155 52 12	3.0	3.0	5.0	>1.00	1,000	30	N	N	70	1,500
M107C3	63 9 17	155 57 18	3.0	5.0	5.0	1.00	1,000	N	N	N	2,000	200
M109C3	63 12 44	155 49 28	2.0	2.0	1.0	>1.00	700	20	N	N	>2,000	500
M111C3	63 13 13	155 59 44	1.5	1.0	5.0	>1.00	500	<1	N	N	2,000	700
M112C3	63 13 48	155 45 16	1.5	.3	.7	>1.00	200	<1	N	N	300	700
M114C3	63 20 24	155 55 46	2.0	.3	.5	>1.00	200	N	N	N	100	700
M115C3	63 16 49	155 58 22	2.0	.5	1.0	>1.00	200	N	N	N	500	1,000
M116C3	63 20 41	155 46 43	5.0	1.5	.7	>1.00	1,000	2	N	N	300	700
M118C3	63 20 23	155 46 33	3.0	.5	.5	>1.00	300	N	N	N	500	700
M119C3	63 17 47	155 40 55	1.0	.5	.5	>1.00	200	N	N	N	200	1,000
M121C3	63 22 36	155 49 39	1.0	.2	.2	>1.00	200	N	N	N	150	500
M122C3	63 23 48	155 45 45	5.0	2.0	7.0	>1.00	1,000	N	N	N	1,000	500
M123C3	63 26 43	155 47 12	1.5	.3	2.0	>1.00	300	N	N	N	500	>5,000
M124C3	63 26 23	155 42 31	2.0	1.0	2.0	>1.00	500	N	N	N	500	1,000
M125C3	63 28 13	155 44 59	2.0	.2	.7	>1.00	300	N	N	N	1,000	200
M126C3	63 26 13	155 42 31	2.0	1.0	3.0	>1.00	500	N	N	N	500	5,000
M127C3	63 29 9	155 57 50	1.5	.5	10.0	.70	700	N	N	N	30	1,000
M128C3	63 26 10	155 59 34	5.0	.2	2.0	>1.00	200	N	N	N	500	3,000
M129C3	63 29 42	155 46 23	2.0	.7	1.0	>1.00	500	N	N	N	>2,000	500
M130C3	63 25 52	155 59 37	2.0	.5	1.5	>1.00	300	N	N	N	700	5,000
M131C3	63 52 47	155 9 15	3.0	2.0	1.5	>1.00	1,000	N	N	N	50	500
M132C3	63 29 6	155 53 23	2.0	.5	7.0	.70	1,000	N	N	N	100	>5,000
M134C3	63 29 18	155 53 52	2.0	.7	10.0	.50	700	N	N	N	70	700
M135C3	63 51 36	155 3 28	1.5	.3	2.0	>1.00	500	N	N	N	50	700
M136C3	63 29 14	155 37 5	3.0	1.0	.5	>1.00	500	N	N	N	>2,000	300
M138C3	63 29 26	155 37 10	3.0	.2	3.0	>1.00	300	N	N	N	2,000	300
M140C3	63 56 17	155 3 32	5.0	2.0	3.0	>1.00	1,000	N	N	N	70	500
M141C3	63 59 15	155 5 7	3.0	2.0	10.0	>1.00	1,500	N	N	N	20	500
M142C3	63 52 26	155 16 46	3.0	2.0	2.0	>1.00	1,000	N	N	N	20	500
M143C3	63 54 35	155 18 34	3.0	1.0	5.0	1.00	1,000	N	N	N	50	500
M144C3	63 57 8	155 19 31	5.0	1.5	5.0	1.00	1,500	N	N	N	50	>5,000
M146C3	63 56 44	155 12 11	3.0	1.5	3.0	1.00	700	N	N	N	50	500
M148C3	63 57 25	155 10 16	3.0	1.5	5.0	1.00	1,000	N	N	N	70	500
M149C3	63 55 21	155 6 51	5.0	2.0	3.0	1.00	1,000	N	N	N	50	500
M150C3	63 31 30	154 14 54	3.0	2.0	3.0	.70	1,000	N	N	N	50	200
M151C3	63 33 15	154 13 27	1.0	.2	15.0	.50	700	N	N	N	100	200
M152C3	63 33 22	154 11 46	1.5	.5	10.0	1.00	300	N	N	N	200	700
M153C3	63 34 28	154 9 60	1.5	.5	5.0	>1.00	300	N	N	N	200	700
M154C3	63 33 51	154 2 47	2.0	5.0	5.0	.20	500	N	N	N	20	200

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M098C3	<2	N	N	<10	100	10	500	N	<50	<10	<20
M099C3	<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	1,000	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	30	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 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
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	300	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
M138C3	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
M141C3	N	50	1,000	500	200	N	300	N	>1,000	N
M142C3	N	50	300	200	200	N	500	N	>1,000	N
M143C3	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 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M155C3	63 34 14	154 4 5	1.0	5.0	10.0	.20	300	N	N	N	20	150
M156C3	63 33 33	154 2 56	2.0	5.0	7.0	.20	500	N	N	N	70	50
M158C3	63 30 53	154 11 13	1.0	7.0	15.0	.10	300	N	N	N	<20	100
M159C3	63 33 50	153 57 29	3.0	5.0	10.0	1.00	1,000	N	N	N	300	1,000
M160C3	63 31 26	154 2 6	2.0	7.0	10.0	.20	500	N	N	N	20	1,000
M161C3	63 34 56	153 58 42	2.0	5.0	10.0	.50	500	2	N	N	70	300
M162C3	63 34 57	153 54 28	3.0	1.5	5.0	1.00	500	N	N	N	100	500
M163C3	63 43 21	153 54 38	2.0	2.0	5.0	1.00	500	N	N	N	2,000	500
M165C3	63 44 51	153 55 24	2.0	5.0	7.0	.50	700	N	N	N	50	1,000
M166C3	63 39 51	153 50 21	2.0	5.0	10.0	1.00	700	N	N	N	1,000	300
M167C3	63 41 43	153 42 46	2.0	3.0	7.0	.50	500	N	N	N	70	200
M169C3	63 39 26	153 44 39	2.0	5.0	10.0	>1.00	700	N	N	N	70	500
M170C3	63 41 23	153 43 42	1.0	10.0	15.0	.30	300	30	N	N	20	200
M171C3	63 7 38	155 8 42	2.0	.7	10.0	1.00	1,000	N	N	N	100	700
M173C3	63 9 21	155 11 33	2.0	.3	10.0	1.00	500	N	N	N	200	300
M177C3	63 17 29	154 46 44	2.0	5.0	10.0	.70	500	N	N	N	>2,000	700
M179C3	63 20 32	154 41 28	2.0	1.5	5.0	>1.00	500	N	N	N	300	700
M180C3	63 18 15	154 41 35	2.0	.3	10.0	>1.00	300	N	N	N	150	5,000
M181C3	63 22 39	154 41 3	3.0	1.5	2.0	>1.00	500	N	N	N	2,000	1,000
M182C3	63 21 1	154 38 26	5.0	1.0	10.0	1.00	1,000	N	N	N	700	700
M183C3	63 22 35	154 31 35	1.5	10.0	10.0	.50	300	N	N	N	50	200
M184C3	63 21 11	154 37 22	3.0	1.5	10.0	1.00	500	N	N	N	1,000	1,500
M185C3	63 23 40	154 46 20	2.0	.7	2.0	>1.00	300	N	N	N	300	1,000
M186C3	63 23 14	154 44 30	10.0	7.0	10.0	1.00	1,500	N	N	N	<20	300
M188C3	63 23 3	154 47 46	3.0	1.0	1.0	>1.00	100	N	N	N	>2,000	1,000
M190C3	63 20 39	154 56 56	2.0	.3	1.0	>1.00	200	2,000	N	N	500	>5,000
M191C3	63 20 7	155 3 38	1.5	.5	1.0	>1.00	300	5	N	N	300	1,500
M192C3	63 20 42	155 0 27	1.5	.2	.5	>1.00	1,000	1,500	N	>100	100	1,500
M193C3	63 23 29	155 5 11	1.5	.2	.5	>1.00	200	N	N	N	300	1,500
M194C3	63 21 30	155 7 15	1.5	.3	1.0	>1.00	300	N	N	N	700	1,500
M195C3	63 26 11	155 7 52	>20.0	.1	.7	.50	300	<1	N	N	50	1,000
M196C3	63 24 47	155 3 51	3.0	2.0	5.0	>1.00	100	N	N	N	300	1,500
M197C3	63 26 39	155 16 32	1.5	.3	.7	.50	200	N	N	N	50	700
M198C3	63 25 47	155 12 40	3.0	.7	7.0	>1.00	1,500	N	N	N	>2,000	5,000
M199C3	63 46 21	153 52 50	3.0	2.0	5.0	.50	1,000	N	N	N	70	700
M200C3	63 28 16	155 21 16	3.0	.3	5.0	>1.00	700	N	N	N	500	5,000
M201C3	63 46 40	153 48 48	3.0	2.0	10.0	>1.00	500	N	N	N	200	>5,000
M202C3	63 49 19	153 47 37	1.0	5.0	10.0	.20	300	2	N	N	50	200
M203C3	63 52 0	153 37 38	.5	5.0	10.0	.30	300	N	N	N	20	100
M204C3	63 54 48	153 33 33	.7	5.0	10.0	.30	200	N	N	N	30	500
M205C3	63 56 22	153 33 12	3.0	5.0	10.0	.30	1,000	N	N	N	100	300
M206C3	63 54 46	153 29 54	.5	5.0	7.0	.10	200	N	N	N	50	1,000
M207C3	63 58 11	153 18 17	.2	7.0	10.0	.05	200	N	N	N	20	50
M208C3	63 56 59	153 12 34	10.0	.5	1.0	>1.00	200	N	500	N	150	>5,000
M209C3	63 57 5	153 5 28	5.0	.3	.5	.70	200	N	N	N	70	1,500

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
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	10	700	50	200	N	50	70	30
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
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	70	200	N	<50	50	30
M183C3	<2	150	N	<10	150	20	150	N	<50	<10	20
M184C3	<2	N	N	10	500	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	700	N	100	<10	50
M192C3	<2	N	N	50	200	200	700	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	100	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
M209C3	<2	N	N	<10	20	200	100	N	<50	<10	100

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
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	300	200	N	200	N	>1,000	N
M165C3	N	50	N	300	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
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	70	<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
M209C3	N	20	N	200	50	N	1,000	N	>1,000	200

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M210C3	63 58 1	153 3 43	5.0	1.0	1.0	>1.00	1,000	N	N	N	70	500
M211C3	63 56 39	153 7 17	2.0	.3	10.0	>1.00	500	N	N	N	70	3,000
M212C3	63 56 2	153 0 32	10.0	.2	1.0	>1.00	1,000	N	N	N	100	3,000
M213C3	63 52 44	153 5 29	5.0	1.5	2.0	>1.00	1,000	N	N	N	100	500
M214C3	63 43 52	154 4 17	20.0	1.5	7.0	>1.00	700	<1	N	N	50	500
M215C3	63 51 24	153 19 25	2.0	.5	2.0	>1.00	700	N	<500	N	150	1,000
M216C3	63 50 30	153 18 21	2.0	.5	1.5	>1.00	500	N	N	N	150	1,000
M217C3	63 48 60	153 13 31	3.0	.2	1.5	>1.00	300	N	N	N	100	>5,000
M218C3	63 47 44	153 16 53	3.0	.7	5.0	>1.00	1,000	N	N	N	500	>5,000
M219C3	63 46 25	153 19 15	5.0	3.0	20.0	>1.00	700	N	N	N	500	>5,000
M221C3	63 46 21	153 2 33	2.0	.3	.3	>1.00	300	N	N	N	1,000	1,500
M224C3	63 51 47	153 8 23	5.0	5.0	7.0	>1.00	1,000	N	N	N	70	>5,000
M225C3	63 51 50	153 3 30	2.0	.5	2.0	>1.00	200	N	N	N	200	>5,000
M226C3	63 53 13	153 15 1	3.0	1.0	1.0	.50	500	N	N	N	100	1,000
M227C3	63 54 46	153 14 2	10.0	.5	.7	.70	1,000	N	500	N	150	1,500
M228C3	63 55 19	153 20 52	.7	7.0	15.0	.50	200	N	N	N	<20	200
M229C3	63 53 33	153 23 19	.7	10.0	15.0	.20	300	N	N	N	<20	150
M230C3	63 53 47	153 21 41	10.0	3.0	10.0	.70	1,500	N	N	N	500	>5,000
M231C3	63 50 44	153 25 25	2.0	5.0	10.0	1.00	300	N	N	N	70	3,000
M233C3	63 28 59	154 15 26	5.0	7.0	15.0	.50	300	N	N	N	100	200
M234C3	63 29 24	154 25 28	5.0	.5	.7	>1.00	700	N	N	N	1,000	1,000
M235C3	63 30 0	154 4 10	.7	10.0	20.0	.07	500	N	N	N	20	300
M236C3	63 28 41	154 8 14	1.0	10.0	20.0	.07	300	N	N	N	<20	50
M237C3	63 29 6	154 7 42	.5	10.0	20.0	.05	200	N	N	N	<20	70
M238C3	63 25 44	154 3 43	1.5	10.0	15.0	.70	500	N	N	N	500	>5,000
M240C3	63 27 34	154 9 27	1.0	1.5	7.0	1.00	500	N	N	N	50	2,000
M241C3	63 27 9	154 10 23	1.5	7.0	15.0	.10	300	N	N	N	20	700
M242C3	63 25 51	154 10 32	1.0	.5	2.0	.07	200	N	N	N	20	>5,000
M243C3	63 25 9	154 12 8	3.0	7.0	15.0	1.00	1,000	N	N	N	150	>5,000
M244C3	63 24 25	154 7 60	2.0	1.0	5.0	>1.00	500	N	N	N	1,000	5,000
M245C3	63 22 14	154 11 13	5.0	2.0	10.0	.15	1,500	N	N	N	100	500
M247C3	63 26 34	154 22 37	2.0	10.0	20.0	.10	500	N	<500	N	70	>5,000
M248C3	63 26 20	154 25 3	5.0	7.0	15.0	1.00	1,500	N	N	N	>2,000	3,000
M249C3	63 24 52	154 23 31	.2	10.0	20.0	.10	300	N	N	N	20	200
M250C3	63 43 47	154 20 7	3.0	.5	1.0	.30	1,000	N	N	N	200	5,000
M254C3	63 48 17	154 18 17	2.0	1.5	10.0	>1.00	300	N	N	N	300	500
M256C3	63 53 2	154 28 1	2.0	1.5	5.0	>1.00	500	N	N	N	700	200
M257C3	63 55 17	154 23 23	3.0	1.0	5.0	>1.00	300	N	N	N	300	500
M258C3	63 55 28	154 24 5	2.0	2.0	5.0	>1.00	300	N	N	N	300	500
M259C3	63 55 42	154 21 36	2.0	1.5	7.0	>1.00	500	N	N	N	700	300
M262C3	63 56 46	154 11 29	2.0	.5	3.0	>1.00	50	N	N	N	200	500
M263C3	63 56 25	154 11 20	2.0	1.0	7.0	1.00	300	N	N	N	200	300
M264C3	63 52 36	154 10 33	2.0	1.0	7.0	>1.00	500	N	N	N	500	200
M266C3	63 49 10	154 4 21	5.0	5.0	10.0	.70	1,000	N	N	N	70	300
M268C3	63 44 50	154 7 46	2.0	.7	5.0	>1.00	700	N	N	N	100	1,000

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
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	70	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	100	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
M268C3	<2	N	N	10	150	100	300	N	<50	50	20

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
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	30	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
M268C3	N	20	50	500	200	N	100	N	1,000	N

Table 2.--Semiquantitative spectrographic analyses of the nonmagnetic fraction of heavy-mineral concentrate samples from 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
M269C3	63 43 44	154 7 9	2.0	.3	2.0	1.00	300	N	N	N	200	3,000
M270C3	63 42 12	154 4 54	2.0	2.0	5.0	>1.00	700	N	N	N	100	300
M271C3	63 6 35	154 8 33	3.0	7.0	10.0	.30	1,500	N	N	N	50	200
M272C3	63 7 12	153 56 13	2.0	1.0	2.0	>1.00	700	N	N	N	200	1,000
M273C3	63 10 13	153 54 27	3.0	1.5	3.0	>1.00	500	N	N	N	500	1,000
M274C3	63 10 21	153 53 60	3.0	1.0	2.0	>1.00	500	N	N	N	100	700
M278C3	63 11 19	154 2 11	2.0	.5	5.0	>1.00	500	N	N	N	50	3,000
M279C3	63 25 31	154 29 15	3.0	1.5	7.0	>1.00	700	N	N	N	500	5,000
M280C3	63 19 11	154 20 30	3.0	1.5	7.0	>1.00	500	N	N	N	700	700
M281C3	63 19 38	154 9 55	5.0	2.0	10.0	.30	1,500	N	N	N	100	1,000
M285C3	63 2 36	153 7 58	2.0	.5	2.0	>1.00	500	N	N	N	200	3,000
M293C3	63 41 22	155 34 18	>20.0	.3	2.0	>1.00	1,500	10	500	N	1,000	>5,000
M294C3	63 44 51	155 39 58	2.0	1.5	3.0	>1.00	700	700	N	>500	50	>5,000
M295C3	63 43 57	155 42 9	10.0	.2	1.0	>1.00	1,500	N	N	N	70	>5,000
M296C3	63 42 54	155 44 20	3.0	.2	.5	.20	1,000	N	N	N	50	>5,000
M300C3	63 40 7	155 54 36	3.0	3.0	7.0	1.00	1,500	N	N	N	50	>5,000
M302C3	63 36 36	155 58 0	3.0	1.5	5.0	1.00	1,500	N	N	N	50	>5,000
M303C3	63 35 28	155 58 28	3.0	1.5	7.0	>1.00	1,500	N	N	N	100	1,500
M304C3	63 36 10	155 57 7	2.0	.3	5.0	>1.00	500	N	N	N	100	>5,000
M305C3	63 33 15	155 59 28	2.0	.5	10.0	1.00	500	N	N	N	50	2,000
M306C3	63 32 52	155 51 23	2.0	1.0	10.0	>1.00	1,000	N	N	N	50	1,000