UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

**Semiquantitative emission spectrographic analyses
of stream-sediment samples collected in the
Livengood and western one-third of the Circle
1° x 3° quadrangles, Alaska**

By

Elizabeth A. Bailey¹, Gregory K. Lee¹,
and Thomas D. Light¹

Open-File Report 87-264

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

¹DFC, Box 25046, MS 973, Denver, CO 80225

1987

CONTENTS

	Page
Studies Related to BLM.....	1
Introduction.....	1
Methods of Study.....	3
Sample Media.....	3
Sample Collection and Analysis.....	3
Rock Analysis Storage System (RASS).....	3
Description of Data Tables.....	3
References Cited.....	4

ILLUSTRATIONS

Figure 1. Index map of the Livengood and Circle quadrangles, Alaska.....	2
Plate 1. Localities of stream-sediment samples from the Livengood and western 1/3 of the Circle quadrangles, Alaska..... in pocket	

TABLES

Table 1. Limits of determination for spectrographic analysis of stream sediments.....	5
Table 2. Results of analyses of NURE stream-sediment samples from the Livengood and western 1/3 of the Circle quadrangles, Alaska.....	6

STUDIES RELATED TO BLM

Bureau of Land Management Recreation Areas

The Federal Land Policy and Management Act (Public Law 94-579, October 21, 1976) requires the U.S. Geological Survey to assess certain areas to determine their mineral resource potential, if any. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the Livengood and western 1/3 of the Circle quadrangles, Alaska.

INTRODUCTION

From 1974-1979, the U.S. Atomic Energy Commission (subsequently the Energy Resource Development Administration and the Department of Energy) funded the "Hydrogeochemical and Stream Sediment Reconnaissance" project as part of the National Uranium Resource Evaluation (NURE) program to assess uranium resources in the United States (Weaver and others, 1983). In anticipation of mineral resource studies of the Livengood 1° x 3° quadrangle and the White Mountains National Recreation Area in the Livengood and Circle quadrangles, the U.S. Geological Survey reanalyzed the samples collected in the Livengood and western 1/3 of the Circle 1° x 3° quadrangles, a total area of about 7,800 mi² (20,200 km²). The purpose of reanalyzing the NURE samples was to establish a consistent analytical base for integrating the results of more recent sampling, and thereby provide a greater sampling density than would otherwise be available.

The Livengood 1° x 3° quadrangle is in the east-central part of Alaska from 65° to 66° north latitude, and from 147° to 150° west longitude. The Circle quadrangle lies due east of the Livengood quadrangle, and the western 1/3 of the quadrangle (146°-147°) is included in this report. The Elliot and Dalton Highways traverse the Livengood quadrangle from southeast to northwest. The Steese Highway crosses the southeastern Livengood quadrangle and continues northeasterly across the Circle quadrangle (fig. 1).

The area comprises a northeasterly trending sequence of Precambrian, Paleozoic, and Mesozoic sedimentary and metasedimentary rocks in the northwestern part of the Yukon-Tanana Upland. These rocks consist mostly of Cambrian and Ordovician quartzite, argillite, slate, and minor limestone; Ordovician, Silurian, and Devonian limestone, dolostone and chert; Jurassic-Cretaceous conglomerate, graywacke, and quartzite (Chapman and others, 1971). Cretaceous-Tertiary age granitic to granodioritic intrusions and some syenite form topographic highs at Cache Mountain and Victoria Mountain (Weber and others, 1985). Quaternary loess blankets much of the southern 1/3 of the area, and alluvial deposits fill the major drainage courses. Outcrops are scarce throughout most of the area, except where relief is high. The study area lies within a structurally deformed block between the Tintina fault system to the north and the Denali fault system to the south. The Paleozoic and Mesozoic rocks of the area generally strike northeast and dip northwest or are overturned and dipping steeply southwest (Weber, written commun., 1986).

The topographic relief in the area of this report is about 5,000 ft (1525 m), with a maximum elevation of 5,286 ft (1611 m) at Mt. Prindle. The White Mountains form a topographic high on the east and are drained by Beaver Creek on the south, west, and north. The remainder of the Livengood quadrangle lies within the drainages of the Yukon and Tolovana Rivers, separated by the Sawtooth Mountains on the west side of the Livengood quadrangle. The climate of the area is arid to semiarid. The high-latitude tundra prohibits ground-water seepage and enhances surface runoff.

Figure 1. Index map showing the location of the Livengood and western one-third of the Circle quadrangles, Alaska (shaded).

METHODS OF STUDY

Sample Media

Analyses of the stream-sediment samples represent the chemistry of the rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins which contain concentrations of elements that may be related to mineral deposits.

Sample Collection and Analysis

Samples from 1,010 sites were reanalyzed for this report (plate 1). These samples represent fine-grained sediment collected from the active portion of small-order stream drainages. The average sample density for this group of samples is one sample per 7.7 mi² (19.9 km²). Of the original NURE sample set, 5 samples did not have sufficient material remaining for analysis and are not included here.

The minus-100-mesh (0.15-mm) fraction of the stream-sediment samples that remained after analysis by Los Alamos Scientific Laboratory was retained in archival storage. The archived portion of these samples was analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination are listed in table 1. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Analytical data for samples from the Livengood and western 1/3 of the Circle quadrangles are listed in table 2.

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called Rock Analysis Storage System (RASS). This data base contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a binary form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1977).

DESCRIPTION OF DATA TABLES

Table 2 lists the results of analyses for the samples of stream sediment. The data are arranged so that column 1 contains the NURE-assigned sample numbers. These numbers correspond to the numbers shown on the site location map (plate 1). Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in table 1. If an element was observed but was below the lowest reporting value, a "less than" symbol (<) was entered in the tables in front of the lower limit

of determination. If an element was observed but was above the highest reporting value, a "greater than" symbol (>) was entered in the tables in front of the upper limit of determination. Because of the formatting used in the computer program that produced table 2, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant zeros to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeros.

The spectrographic determinations for Au, Cd, and Sb were all below the lower limits of determinations shown in table 1; consequently, the columns for these elements have been deleted from table 2.

REFERENCES CITED

- Chapman, R. M., Weber, F. R., and Taber, Bond, 1971, Preliminary geologic map of the Livengood quadrangle, Alaska: U.S. Geological Survey Open-File Report 71-66, 2 sheets, scale 1:250,000.
- 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.
- Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.
- VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.
- Weaver, T. A., Broxton, D. E., and Bolivar, S. L., 1983, The Geochemical Atlas of Alaska: Los Alamos National Laboratory Report GJBX-32(83), 49 plates, scale 1:6,000,000.
- Weber, F. R., Smith, T. E., Hall, M. H., and Forbes, R. B., 1985, Geologic guide to the Fairbanks-Livengood area, east-central Alaska: Alaska Geological Society Guidebook, 44 p.

TABLE 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

Elements	Lower determination limit	Upper determination limit
Percent		
Iron (Fe)	0.05	20
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
Parts per million		
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
421951	65 32 52	148 26 17	5.00	1.00	3.0	1.000	500	N	N
421952	65 32 52	148 10 6	7.00	1.50	3.0	1.000	700	N	N
421954	65 32 53	148 5 12	7.00	2.00	5.0	1.000	1,000	N	N
421955	65 26 39	147 14 16	5.00	2.00	3.0	.700	1,500	N	N
421956	65 26 45	147 12 2	7.00	1.50	3.0	.700	700	N	N
421958	65 26 39	147 6 10	7.00	1.50	3.0	1.000	500	N	N
421959	65 23 30	147 5 15	5.00	1.50	3.0	.700	300	N	N
421960	65 21 32	147 5 3	7.00	1.50	3.0	1.000	700	N	N
421961	65 18 24	147 3 36	5.00	1.50	2.0	1.000	500	N	N
421962	65 17 17	147 6 10	7.00	1.50	3.0	1.000	700	N	N
421963	65 14 58	147 2 44	10.00	1.50	1.5	1.000	1,000	N	N
421964	65 11 44	147 3 12	7.00	1.50	2.0	1.000	1,000	N	N
421965	65 11 8	147 2 48	7.00	1.50	1.5	1.000	700	N	N
421966	65 11 32	147 54 15	7.00	1.50	2.0	1.000	500	N	N
421967	65 16 0	147 55 18	5.00	1.50	2.0	1.000	500	N	N
421968	65 19 24	147 51 42	7.00	1.50	2.0	1.000	1,000	N	N
421969	65 29 43	147 55 59	5.00	1.50	2.0	1.000	500	N	N
421970	65 29 34	147 50 13	10.00	2.00	2.0	1.000	3,000	N	N
421971	65 30 17	147 49 18	7.00	2.00	3.0	1.000	1,500	N	N
421972	65 30 11	147 25 2	5.00	1.50	2.0	1.000	500	N	N
421973	65 29 34	147 24 18	7.00	1.50	2.0	1.000	700	N	N
421974	65 28 59	147 14 39	5.00	1.50	2.0	.700	500	N	N
421975	65 28 46	147 8 49	7.00	1.50	2.0	.700	500	N	N
421977	65 29 12	147 3 2	7.00	1.50	3.0	.700	700	N	N
421979	65 31 46	147 1 5	7.00	2.00	3.0	1.000	1,000	N	N
421980	65 32 14	147 4 10	5.00	2.00	3.0	.700	700	N	N
421981	65 32 14	147 5 35	5.00	1.50	2.0	.700	500	N	N
421982	65 32 30	147 12 18	7.00	2.00	5.0	1.000	1,000	N	N
421983	65 32 22	147 15 0	7.00	2.00	5.0	1.000	1,500	N	N
421986	65 31 54	147 28 40	7.00	1.50	2.0	.700	1,000	.5	N
421987	65 31 59	147 36 56	3.00	1.00	1.5	.700	500	N	N
421988	65 32 7	147 56 9	3.00	1.50	2.0	1.000	300	N	N
421989	65 31 27	147 59 49	5.00	1.50	1.0	.700	300	N	N
421990	65 30 1	148 30 2	7.00	2.00	2.0	1.000	1,000	N	N
421991	65 28 35	148 20 35	7.00	1.50	2.0	1.000	1,500	N	N
421992	65 29 8	148 15 47	5.00	1.50	2.0	.700	500	N	N
421993	65 28 28	148 13 55	5.00	1.50	1.5	.700	300	<.5	N
421994	65 29 52	148 9 3	7.00	1.50	1.0	1.000	700	N	N
421995	65 23 35	147 55 37	7.00	2.00	3.0	1.000	700	N	N
421996	65 23 36	147 31 49	7.00	1.50	2.0	1.000	700	N	N
421997	65 24 35	148 8 39	5.00	1.50	5.0	.700	1,000	5.0	N
421998	65 24 35	148 10 36	10.00	5.00	7.0	>1.000	1,500	N	N
421999	65 29 34	148 28 11	7.00	1.50	3.0	.700	1,000	N	N
422000	65 1 5	147 29 17	5.00	1.50	3.0	.700	500	.7	N
422001	65 0 54	147 28 8	5.00	1.50	1.5	.700	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
421951	70	1,000	<1.0	N	15	200	30	30	N	<20
421952	70	2,000	<1.0	N	15	200	30	50	N	<20
421954	50	1,500	<1.0	N	20	150	30	20	N	N
421955	50	1,500	1.0	N	15	1,000	30	30	N	N
421956	70	1,500	<1.0	N	15	200	50	30	N	N
421958	70	1,500	<1.0	N	20	300	50	30	N	<20
421959	50	1,500	<1.0	N	15	150	30	50	N	<20
421960	70	2,000	<1.0	N	15	300	50	50	N	<20
421961	70	1,500	1.5	N	10	200	20	70	N	<20
421962	70	2,000	<1.0	N	15	200	20	50	N	<20
421963	100	2,000	1.5	N	15	200	20	70	N	N
421964	70	2,000	<1.0	N	15	200	15	70	N	<20
421965	100	1,000	1.0	N	15	200	30	70	N	<20
421966	70	1,500	<1.0	N	15	200	20	50	N	<20
421967	50	200	<1.0	N	10	200	15	50	N	<20
421968	100	2,000	1.0	N	15	200	20	70	N	<20
421969	100	700	<1.0	N	15	300	20	50	N	<20
421970	100	1,500	<1.0	N	20	200	30	30	N	<20
421971	100	1,500	1.0	N	20	200	20	50	N	<20
421972	50	1,000	<1.0	N	15	200	15	50	N	N
421973	100	1,500	1.0	N	20	200	30	50	N	<20
421974	70	1,500	1.0	N	15	150	20	50	N	N
421975	50	1,500	<1.0	N	15	200	20	30	N	N
421977	70	2,000	1.0	N	15	200	30	30	N	N
421979	100	1,500	<1.0	N	15	300	30	50	N	<20
421980	70	2,000	1.0	N	15	200	20	50	N	<20
421981	50	1,000	<1.0	N	10	200	20	50	N	N
421982	70	2,000	1.0	N	20	300	30	50	N	N
421983	50	1,500	1.0	N	20	200	20	50	N	N
421986	100	1,500	2.0	N	20	200	30	50	N	<20
421987	70	700	2.0	N	15	100	15	50	N	N
421988	70	1,000	3.0	N	10	100	15	70	N	<20
421989	50	700	2.0	N	10	150	15	70	<5	<20
421990	70	1,500	1.0	N	20	200	20	70	N	<20
421991	70	1,500	1.0	<10	20	150	30	100	N	<20
421992	70	1,500	1.0	N	15	200	20	50	N	<20
421993	50	1,000	1.0	N	15	150	20	70	N	<20
421994	70	1,500	<1.0	N	20	300	20	70	<5	<20
421995	70	2,000	<1.0	N	20	200	20	50	N	<20
421996	100	2,000	1.0	N	15	200	20	50	N	<20
421997	20	2,000	<1.0	N	15	100	20	30	N	N
421998	20	3,000	<1.0	N	20	500	30	50	N	<20
421999	50	1,500	1.0	N	15	200	20	50	N	<20
422000	50	1,500	<1.0	N	10	200	30	30	N	N
422001	70	1,500	<1.0	N	15	150	20	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
421951	50	15	10	N	200	200	N	30	N	300	N
421952	30	20	20	N	300	150	N	50	N	500	N
421954	30	20	30	N	500	150	N	50	N	300	N
421955	70	15	20	N	200	150	N	30	<200	300	N
421956	30	30	20	N	300	150	N	30	N	200	N
421958	50	30	20	N	300	150	N	30	N	300	N
421959	30	30	15	N	200	150	N	30	N	300	N
421960	30	30	20	N	300	200	N	30	N	300	N
421961	20	50	20	<10	200	100	N	70	N	500	N
421962	20	20	20	<10	300	150	N	50	N	500	N
421963	30	30	20	10	150	150	N	50	N	500	N
421964	30	30	20	N	300	150	N	50	N	700	N
421965	30	30	20	N	150	100	N	50	N	300	N
421966	30	20	20	N	200	100	N	50	N	500	N
421967	30	20	20	N	300	150	N	30	N	300	N
421968	30	30	20	N	200	100	N	50	N	300	N
421969	30	20	20	N	150	100	N	50	N	300	N
421970	50	30	20	N	200	150	N	50	N	500	N
421971	50	30	20	N	200	150	N	50	N	500	N
421972	30	20	15	N	200	100	N	30	N	200	N
421973	30	30	20	N	200	200	N	50	N	300	N
421974	30	20	15	N	200	150	N	30	N	500	N
421975	30	30	20	N	150	200	N	30	N	200	N
421977	30	20	20	N	200	200	N	30	N	500	N
421979	50	30	20	N	300	200	N	50	N	500	N
421980	30	20	20	N	300	200	N	30	N	300	N
421981	30	20	15	N	200	150	N	30	N	500	N
421982	30	20	20	N	300	150	N	50	N	500	N
421983	30	20	20	N	300	150	N	30	N	500	N
421986	50	50	20	<10	200	150	N	50	200	300	N
421987	20	20	15	15	150	100	N	50	N	200	N
421988	20	30	15	10	150	150	N	50	<200	300	N
421989	20	50	15	15	100	150	N	50	N	300	N
421990	30	50	20	10	200	200	N	70	N	500	N
421991	30	50	20	70	200	150	N	70	N	700	N
421992	30	20	20	N	300	200	N	30	N	300	N
421993	30	30	20	N	200	150	N	30	N	200	N
421994	30	30	20	N	150	150	N	30	N	300	N
421995	30	20	20	N	300	150	N	50	N	300	N
421996	30	20	15	N	200	150	N	50	N	500	N
421997	50	10	10	N	200	150	N	20	<200	150	N
421998	50	10	30	N	700	300	N	50	N	150	N
421999	30	20	15	N	300	150	N	30	N	300	N
422000	30	15	15	N	300	150	N	30	<200	300	N
422001	30	15	15	N	200	150	N	30	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422002	65 0 39	147 12 45	5.00	2.00	5.0	1.000	1,000	N	N
422003	65 1 6	147 16 1	10.00	1.50	.7	1.000	1,000	<.5	200
422004	65 3 18	147 30 35	10.00	2.00	1.5	.700	1,500	N	N
422005	65 4 14	147 24 53	5.00	2.00	3.0	1.000	700	N	N
422006	65 5 57	147 24 37	7.00	2.00	5.0	1.000	1,500	N	N
422007	65 6 25	147 28 54	10.00	3.00	5.0	1.000	2,000	N	N
422008	65 8 17	147 28 50	7.00	2.00	3.0	1.000	500	N	N
422009	65 0 24	147 38 51	7.00	1.50	3.0	1.000	700	N	N
422010	65 2 11	147 35 38	7.00	1.50	3.0	1.000	700	N	N
422011	65 3 56	147 39 55	5.00	1.50	5.0	1.000	700	N	N
422012	65 7 0	147 46 23	5.00	1.50	2.0	.700	500	N	N
422013	65 9 37	147 57 11	5.00	2.00	2.0	1.000	500	N	N
422015	65 11 21	147 58 29	1.50	.20	.3	.150	200	<.5	N
422016	65 11 54	148 4 20	2.00	1.50	.7	.300	200	N	N
422017	65 14 45	148 8 31	5.00	1.50	.7	.700	300	N	N
422019	65 14 52	148 7 41	7.00	2.00	2.0	1.000	700	N	N
422020	65 16 4	148 6 33	2.00	1.00	.7	.500	300	N	N
422022	65 20 39	148 17 45	10.00	2.00	2.0	1.000	700	N	N
422023	65 22 22	148 16 15	5.00	1.00	2.0	.300	200	N	N
422024	65 24 42	148 14 27	7.00	2.00	3.0	1.000	700	N	N
422025	65 1 0	147 37 31	2.00	1.00	2.0	.300	1,500	N	N
422026	65 2 56	147 39 32	15.00	3.00	1.5	1.000	2,000	N	N
422027	65 4 54	147 42 43	7.00	1.50	3.0	1.000	1,000	10.0	N
422028	65 6 9	147 44 43	7.00	2.00	1.5	1.000	1,000	N	N
422029	65 7 56	147 50 48	10.00	2.00	5.0	>1.000	1,500	.5	N
422030	65 9 6	147 51 23	5.00	1.50	2.0	.700	700	N	N
422031	65 11 12	147 59 49	10.00	2.00	3.0	1.000	2,000	N	N
422032	65 11 4	148 2 44	7.00	1.50	3.0	1.000	1,000	.7	<200
422033	65 11 12	148 4 54	20.00	1.50	3.0	.500	5,000	N	3,000
422034	65 33 18	148 19 32	10.00	2.00	5.0	1.000	2,000	N	N
422035	65 29 12	148 0 14	7.00	1.50	2.0	1.000	700	N	N
422036	65 27 14	147 45 56	5.00	1.50	3.0	1.000	1,000	N	N
422037	65 27 11	147 39 48	5.00	2.00	5.0	1.000	700	N	N
422038	65 27 45	147 34 8	5.00	2.00	3.0	1.000	700	N	N
422039	65 26 29	147 27 12	5.00	2.00	5.0	1.000	700	N	N
422040	65 9 38	147 54 38	5.00	2.00	3.0	1.000	1,000	N	N
422041	65 14 48	147 52 41	7.00	1.50	2.0	1.000	1,000	N	N
422042	65 21 6	147 51 15	7.00	2.00	5.0	1.000	1,000	N	N
422043	65 29 48	147 53 27	7.00	1.50	3.0	1.000	1,000	N	N
422044	65 29 44	147 40 5	10.00	2.00	3.0	1.000	1,500	N	N
422045	65 32 22	147 43 40	7.00	1.50	2.0	1.000	1,000	N	N
422047	65 31 58	147 49 19	7.00	1.50	5.0	1.000	1,500	N	N
422048	65 26 52	148 13 32	10.00	2.00	1.5	1.000	1,500	N	N
422049	65 26 58	148 2 17	10.00	2.00	2.0	1.000	2,000	N	N
422050	65 22 45	147 54 5	7.00	1.50	2.0	1.000	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422002	50	1,500	<1.0	N	15	200	20	30	N	<20
422003	100	1,500	1.0	N	20	300	30	50	7	20
422004	100	1,500	<1.0	N	20	300	50	70	N	N
422005	50	1,000	N	N	15	500	20	50	N	N
422006	70	2,000	<1.0	N	20	200	20	50	N	<20
422007	50	1,500	N	N	15	200	20	N	N	<20
422008	70	1,500	<1.0	N	20	200	30	50	N	<20
422009	70	1,500	<1.0	N	15	200	20	50	N	<20
422010	50	1,000	<1.0	N	15	200	15	30	N	N
422011	70	1,500	<1.0	N	15	200	15	50	N	<20
422012	70	1,000	<1.0	N	15	200	20	30	N	N
422013	50	1,000	<1.0	N	15	200	20	50	N	<20
422015	<10	500	1.5	N	N	10	20	N	N	N
422016	50	500	1.0	N	N	100	10	N	N	N
422017	50	700	<1.0	N	15	150	20	30	N	N
422019	70	1,500	1.0	N	20	200	70	30	N	<20
422020	30	700	1.0	N	N	30	10	N	N	N
422022	100	1,500	<1.0	N	15	200	30	30	N	<20
422023	10	700	1.0	N	10	20	10	N	N	N
422024	50	1,000	<1.0	N	15	200	30	20	N	N
422025	10	700	1.0	N	10	30	15	N	N	N
422026	100	1,500	1.5	N	30	300	50	50	5	<20
422027	100	1,500	<1.0	N	15	100	15	30	7	<20
422028	100	1,000	1.0	N	15	150	20	50	N	<20
422029	100	1,000	<1.0	N	20	200	20	50	N	<20
422030	70	700	N	N	15	200	15	30	N	N
422031	70	1,000	1.0	N	20	200	50	50	N	<20
422032	70	700	1.0	N	15	150	15	50	N	<20
422033	20	1,000	<1.0	N	20	50	50	20	N	N
422034	100	2,000	<1.0	N	20	200	50	50	N	20
422035	50	700	<1.0	N	15	200	30	30	N	N
422036	70	1,000	<1.0	N	15	200	15	50	N	N
422037	50	1,000	<1.0	N	15	200	20	50	N	<20
422038	50	1,500	<1.0	N	15	200	20	50	N	<20
422039	70	1,000	1.0	N	15	200	20	30	N	<20
422040	70	1,000	1.0	N	15	200	20	50	N	<20
422041	100	1,000	1.0	N	15	200	30	50	N	<20
422042	70	1,000	<1.0	N	10	200	20	50	N	N
422043	50	1,500	<1.0	N	15	200	15	50	N	<20
422044	70	2,000	1.0	N	15	200	20	50	N	<20
422045	70	1,500	1.0	N	15	150	20	50	N	<20
422047	70	1,000	N	N	15	200	20	50	N	<20
422048	100	1,000	<1.0	N	15	200	50	30	<5	N
422049	70	1,000	<1.0	N	15	200	30	30	N	N
422050	100	1,000	1.0	N	10	200	20	50	<5	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422002	50	20	20	N	300	150	N	30	N	300	N
422003	70	30	20	N	200	300	N	50	<200	500	N
422004	50	20	20	N	100	200	N	30	N	150	N
422005	50	15	15	N	300	150	N	30	N	500	N
422006	30	20	20	N	500	200	N	50	N	300	N
422007	20	15	20	N	N	300	N	30	N	500	N
422008	50	20	20	N	300	150	N	30	N	200	N
422009	30	20	20	N	300	200	N	30	N	200	N
422010	20	20	15	N	200	100	N	30	N	500	N
422011	30	15	20	N	300	150	N	30	N	300	N
422012	30	20	15	N	200	150	N	30	N	200	N
422013	30	20	20	N	200	150	N	30	N	200	N
422015	15	<10	7	N	N	50	N	20	N	70	N
422016	20	20	10	N	100	100	N	20	N	100	N
422017	30	20	15	N	150	150	N	20	N	150	N
422019	50	30	20	N	200	200	N	30	N	200	N
422020	20	10	10	N	150	100	N	15	N	150	N
422022	30	20	30	N	200	200	N	50	N	200	N
422023	10	10	7	N	150	100	N	15	N	100	N
422024	30	20	20	N	200	150	N	20	N	200	N
422025	30	<10	7	N	100	100	N	15	N	150	N
422026	100	300	30	N	150	300	N	50	N	300	N
422027	20	30	20	N	300	150	N	30	N	700	N
422028	20	30	15	N	150	100	N	30	N	700	N
422029	30	20	30	N	300	150	N	50	N	500	N
422030	20	20	15	N	200	100	N	20	N	500	N
422031	30	30	20	N	200	200	N	50	N	300	N
422032	20	100	15	N	150	150	N	30	200	500	N
422033	30	50	<5	N	300	100	N	30	N	200	N
422034	50	20	20	N	300	200	N	50	N	500	N
422035	30	15	20	N	150	150	N	20	N	300	N
422036	30	20	20	N	300	150	N	30	N	700	N
422037	30	20	20	N	300	150	N	30	N	500	N
422038	30	20	20	N	300	150	N	30	N	500	N
422039	30	20	20	N	300	150	N	30	N	700	N
422040	30	20	20	N	300	150	N	50	N	700	N
422041	30	30	20	N	200	150	N	30	N	500	N
422042	30	20	20	N	200	200	N	50	N	500	N
422043	30	20	20	N	200	150	N	30	N	700	N
422044	30	20	20	N	300	150	N	50	N	500	N
422045	50	20	15	N	200	150	N	30	N	700	N
422047	30	20	20	N	300	200	N	30	N	300	N
422048	50	20	20	N	150	200	N	30	N	200	N
422049	50	15	30	N	150	300	N	30	N	300	N
422050	20	30	20	N	200	100	N	50	N	700	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422051	65 24 15	147 50 30	10.00	2.00	5.0	1.000	1,500	N	N
422052	65 23 32	147 44 22	7.00	2.00	5.0	>1.000	1,500	N	N
422053	65 23 35	147 24 37	10.00	2.00	1.5	1.000	1,000	N	N
422054	65 22 40	147 25 4	7.00	2.00	2.0	1.000	1,000	N	N
422055	65 22 51	147 34 32	3.00	1.00	.5	1.000	500	N	N
422056	65 22 37	147 42 52	1.50	.50	.3	.500	500	N	N
422057	65 25 18	148 16 36	2.00	.50	.3	.500	500	N	N
422058	65 27 47	148 20 6	10.00	.70	.1	.700	2,000	N	N
422059	65 12 42	148 5 56	5.00	1.50	2.0	1.000	1,000	N	N
422060	65 13 29	148 7 47	7.00	2.00	3.0	1.000	1,000	N	N
422061	65 16 36	148 7 1	5.00	2.00	3.0	1.000	1,000	N	N
422062	65 17 12	148 8 17	2.00	1.50	.7	.500	700	N	N
422063	65 23 17	148 14 58	5.00	2.00	.7	.700	1,000	<.5	N
422064	65 26 34	148 14 36	10.00	3.00	2.0	1.000	2,000	<.5	N
422065	65 29 7	148 22 5	15.00	3.00	2.0	1.000	>5,000	<.5	N
422066	65 28 22	148 31 9	7.00	1.50	.5	.700	2,000	1.5	N
422067	65 25 38	148 24 3	5.00	1.50	2.0	1.000	700	<.5	N
422068	65 24 15	148 28 18	7.00	2.00	3.0	1.000	700	N	N
422069	65 20 44	148 1 0	5.00	2.00	2.0	.700	1,000	N	N
422071	65 19 11	147 57 7	5.00	1.50	1.5	.700	500	N	N
422072	65 19 18	147 29 53	5.00	1.50	2.0	1.000	1,000	N	N
422073	65 21 59	147 18 55	7.00	1.50	2.0	1.000	1,500	N	N
422074	65 19 27	147 10 30	10.00	3.00	2.0	1.000	1,000	N	N
422075	65 19 50	147 19 24	5.00	1.50	2.0	1.000	700	N	N
422076	65 12 1	147 49 36	5.00	1.50	2.0	.700	500	N	N
422077	65 12 29	147 41 44	5.00	1.50	2.0	1.000	700	N	N
422078	65 12 24	147 37 8	5.00	1.50	1.5	1.000	500	N	N
422079	65 12 38	147 29 16	7.00	1.50	3.0	1.000	700	N	N
422081	65 11 53	147 24 51	7.00	1.50	1.5	.700	500	<.5	N
422082	65 13 4	147 14 3	5.00	1.50	2.0	1.000	500	N	N
422083	65 10 49	147 13 22	3.00	1.50	2.0	.700	500	N	N
422084	65 15 42	147 10 36	10.00	2.00	3.0	>1.000	3,000	N	N
422085	65 14 48	147 18 55	7.00	1.50	1.5	1.000	700	N	N
422086	65 17 36	147 16 5	10.00	2.00	3.0	1.000	1,000	N	N
422087	65 17 42	147 14 47	7.00	1.50	2.0	1.000	700	N	N
422088	65 17 48	147 27 6	5.00	1.50	1.5	>1.000	1,500	N	N
422089	65 15 20	147 31 54	10.00	2.00	2.0	1.000	1,000	N	N
422090	65 14 58	147 33 6	10.00	2.00	2.0	>1.000	1,000	N	N
422091	65 27 6	148 42 5	7.00	2.00	1.5	1.000	1,000	N	N
422092	65 26 35	148 48 2	7.00	2.00	3.0	.700	1,000	N	N
422093	65 25 26	148 54 5	7.00	2.00	1.5	1.000	700	N	N
422094	65 22 22	148 57 6	5.00	1.50	.5	>1.000	700	N	N
422095	65 17 26	149 15 43	5.00	2.00	1.0	1.000	1,000	N	N
422096	65 16 26	149 20 58	10.00	1.50	2.0	1.000	1,000	N	N
422097	65 14 51	149 27 38	10.00	1.50	2.0	1.000	700	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422051	70	2,000	<1.0	N	20	300	50	30	N	20
422052	70	2,000	<1.0	N	20	200	30	70	N	20
422053	100	700	<1.0	N	20	150	70	N	N	N
422054	70	1,000	<1.0	N	15	150	30	50	N	<20
422055	50	500	N	N	10	150	15	30	<5	N
422056	70	300	1.0	N	5	30	10	N	<5	N
422057	70	500	<1.0	N	7	50	15	30	N	N
422058	100	1,000	1.0	N	20	150	50	100	N	<20
422059	100	1,000	1.0	N	15	100	20	50	<5	<20
422060	100	1,500	1.0	N	20	100	20	50	N	<20
422061	100	1,000	<1.0	N	15	150	15	70	N	<20
422062	70	1,000	1.5	N	10	30	10	N	N	N
422063	100	700	<1.0	N	20	100	20	30	N	N
422064	100	1,500	<1.0	N	20	150	70	30	N	N
422065	70	2,000	<1.0	N	20	150	100	N	<5	N
422066	70	1,000	<1.0	<10	30	200	100	50	7	N
422067	70	1,500	1.0	N	15	100	20	50	N	<20
422068	100	1,500	<1.0	N	15	200	20	50	N	<20
422069	70	1,000	<1.0	N	20	150	20	50	N	N
422071	70	1,000	<1.0	N	15	150	30	30	N	N
422072	100	1,500	1.0	N	15	150	20	50	N	<20
422073	100	1,500	1.0	N	20	150	20	50	N	<20
422074	50	1,500	N	N	15	150	20	50	N	N
422075	70	1,500	1.0	N	15	150	15	50	N	20
422076	70	1,500	1.0	N	15	100	15	50	N	<20
422077	100	1,000	<1.0	N	15	150	15	70	N	<20
422078	70	1,000	<1.0	N	20	150	20	50	N	<20
422079	70	1,000	N	N	15	150	15	70	N	<20
422081	100	1,500	1.0	N	20	150	30	70	N	<20
422082	100	1,000	1.0	N	15	150	15	70	N	<20
422083	70	700	<1.0	N	15	150	15	50	N	<20
422084	70	1,000	<1.0	N	15	300	15	70	N	<20
422085	50	700	N	N	15	15	15	50	N	N
422086	70	1,000	1.0	N	20	150	20	50	N	<20
422087	50	700	<1.0	N	10	10	10	30	N	<20
422088	100	700	1.0	N	15	70	15	30	N	<20
422089	70	1,000	1.0	N	20	150	30	50	N	N
422090	50	700	N	N	15	150	30	20	N	<20
422091	100	1,000	1.0	N	20	150	30	50	N	<20
422092	70	1,500	<1.0	N	15	150	15	50	N	N
422093	70	1,000	1.0	N	30	150	30	70	N	N
422094	100	500	<1.0	N	15	150	15	50	N	20
422095	70	700	1.0	N	20	150	20	50	N	<20
422096	70	1,000	1.0	N	20	150	15	70	N	<20
422097	100	1,000	<1.0	N	15	100	10	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422051	50	30	20	N	300	200	N	30	N	300	N
422052	50	20	20	N	300	200	N	50	N	500	N
422053	50	30	20	N	100	200	N	30	N	300	N
422054	30	20	20	N	200	200	N	50	N	500	N
422055	20	15	10	N	100	100	N	20	N	700	N
422056	10	15	5	N	<100	50	N	10	N	200	N
422057	20	15	7	N	<100	70	N	20	N	200	N
422058	50	50	20	N	200	100	N	30	N	500	N
422059	50	30	15	N	200	150	N	50	N	500	N
422060	50	20	20	N	200	150	N	50	N	300	N
422061	50	20	20	N	200	100	N	50	N	500	N
422062	30	10	7	N	<100	100	N	10	N	150	N
422063	50	20	15	N	100	150	N	30	N	150	N
422064	50	30	20	N	200	150	N	50	N	150	N
422065	50	20	30	N	N	200	N	50	N	200	N
422066	50	100	20	N	150	150	N	50	300	150	N
422067	70	50	20	N	300	150	N	50	N	200	N
422068	50	20	20	N	300	150	N	50	N	300	N
422069	50	20	20	N	200	150	N	30	N	200	N
422071	50	30	20	N	150	150	N	30	N	150	N
422072	50	20	30	N	100	150	N	50	N	300	N
422073	50	30	30	N	200	150	N	50	N	300	N
422074	50	30	20	N	300	300	N	30	N	200	N
422075	30	20	20	N	200	100	N	50	N	200	N
422076	50	20	20	N	200	150	N	50	N	200	N
422077	30	30	20	N	200	150	N	50	N	200	N
422078	30	20	20	N	150	150	N	50	N	200	N
422079	30	20	15	N	300	200	N	50	N	700	N
422081	50	50	30	N	200	150	N	50	N	150	N
422082	30	30	20	N	200	150	N	50	N	200	N
422083	30	20	20	N	200	100	N	30	N	200	N
422084	50	20	20	N	300	150	N	50	N	>1,000	N
422085	30	20	15	N	100	100	N	20	N	700	N
422086	50	20	20	N	200	150	N	50	N	500	N
422087	30	10	10	N	<100	100	N	30	N	700	N
422088	30	30	15	N	150	100	N	30	N	300	N
422089	50	30	20	N	200	150	N	50	N	300	N
422090	50	20	20	N	300	150	N	30	N	200	N
422091	50	30	20	N	200	150	N	30	N	500	N
422092	30	30	20	N	300	100	N	50	N	300	N
422093	50	30	20	N	150	150	N	50	N	200	N
422094	30	30	10	N	100	70	N	30	N	300	N
422095	50	30	15	N	150	100	N	30	N	300	N
422096	30	30	20	N	200	100	N	50	N	300	N
422097	20	30	15	N	200	150	N	30	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422098	65 13 59	149 32 21	10.00	2.00	3.0	1.000	1,500	N	N
422099	65 13 5	149 38 22	10.00	2.00	3.0	1.000	1,000	N	N
422100	65 12 2	149 49 36	7.00	2.00	3.0	1.000	700	N	N
422101	65 10 49	149 55 41	7.00	2.00	3.0	1.000	700	N	N
422102	65 9 29	149 24 5	10.00	5.00	1.5	.700	3,000	N	N
422103	65 16 54	147 38 52	7.00	5.00	1.0	.700	500	N	N
422104	65 16 14	147 41 3	10.00	2.00	2.0	1.000	2,000	N	N
422105	65 19 41	148 29 58	7.00	2.00	.7	.700	700	N	N
422106	65 18 38	148 23 13	7.00	2.00	.5	1.000	1,000	N	N
422107	65 16 53	148 10 46	10.00	1.50	2.0	1.000	2,000	<.5	N
422108	65 14 36	148 10 14	10.00	2.00	.5	1.000	1,000	N	N
422109	65 10 59	148 10 57	10.00	1.50	2.0	1.000	1,000	N	N
422110	65 8 54	148 14 53	10.00	3.00	2.0	1.000	1,500	.5	N
422111	65 7 49	148 5 11	10.00	2.00	3.0	1.000	1,000	<.5	N
422112	65 9 59	147 49 5	10.00	2.00	3.0	1.000	1,000	N	N
422113	65 9 25	147 47 30	7.00	2.00	3.0	1.000	1,000	N	N
422114	65 9 39	147 36 19	10.00	2.00	2.0	1.000	1,500	N	N
422115	65 9 16	147 37 14	10.00	2.00	5.0	1.000	1,500	N	N
422116	65 9 25	147 15 51	7.00	2.00	2.0	1.000	1,000	<.5	N
422118	65 9 0	147 12 39	7.00	2.00	5.0	1.000	1,000	N	N
422119	65 8 12	147 6 47	10.00	2.00	3.0	.700	1,000	N	N
422120	65 6 19	147 35 6	7.00	2.00	3.0	>1.000	700	N	N
422121	65 6 21	147 17 58	7.00	1.50	3.0	1.000	1,000	N	N
422122	65 6 46	147 17 9	15.00	2.00	3.0	>1.000	3,000	N	N
422123	65 6 57	147 8 2	7.00	2.00	3.0	1.000	1,000	N	N
422124	65 5 49	147 2 8	15.00	3.00	5.0	1.000	2,000	N	N
422125	65 1 40	147 5 8	7.00	2.00	3.0	1.000	700	N	N
422126	65 4 13	147 10 41	10.00	2.00	3.0	1.000	2,000	N	N
422127	65 1 8	147 23 44	10.00	2.00	3.0	1.000	2,000	N	N
422128	65 3 18	147 35 18	10.00	2.00	3.0	>1.000	1,500	N	N
422130	65 28 4	148 24 39	7.00	2.00	3.0	1.000	1,500	N	N
422131	65 22 54	148 12 10	10.00	2.00	2.0	1.000	1,500	N	N
422132	65 19 39	147 46 56	15.00	2.00	2.0	1.000	1,500	1.0	N
422133	65 20 22	147 44 20	15.00	2.00	3.0	1.000	2,000	N	N
422134	65 20 30	147 34 5	10.00	1.50	2.0	.700	500	N	N
422135	65 20 17	147 24 30	15.00	1.50	.5	>1.000	2,000	N	N
422136	65 23 53	147 12 21	10.00	2.00	.7	>1.000	2,000	N	N
422137	65 22 23	147 11 27	15.00	2.00	5.0	>1.000	700	N	N
422138	65 10 28	147 17 53	15.00	2.00	5.0	>1.000	1,000	N	N
422139	65 12 51	147 10 9	15.00	2.00	5.0	1.000	1,500	N	N
422140	65 21 3	149 0 32	10.00	2.00	5.0	1.000	2,000	N	N
422141	65 16 28	147 47 16	2.00	.70	1.0	.200	500	N	N
422142	65 15 8	147 49 57	20.00	2.00	5.0	1.000	2,000	N	N
422143	65 19 33	148 19 45	15.00	2.00	5.0	>1.000	2,000	N	N
422144	65 16 19	148 20 13	15.00	2.00	5.0	>1.000	2,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422098	70	1,500	<1.0	N	20	150	15	50	N	<20
422099	70	1,500	<1.0	N	15	200	20	50	N	<20
422100	70	1,500	<1.0	N	20	150	15	50	N	N
422101	70	1,500	<1.0	N	15	200	20	50	N	<20
422102	100	1,000	1.0	N	20	500	30	N	<5	N
422103	50	700	N	N	15	300	20	30	N	N
422104	70	1,500	<1.0	N	20	300	30	50	<5	20
422105	100	1,500	1.0	N	15	150	50	50	<5	<20
422106	50	700	N	N	20	200	50	30	N	N
422107	200	1,500	N	N	20	200	70	70	10	N
422108	200	1,500	1.0	N	15	200	20	50	<5	20
422109	100	2,000	N	N	15	150	50	30	N	N
422110	50	2,000	N	N	20	300	70	N	N	N
422111	70	2,000	<1.0	N	20	200	30	50	N	N
422112	70	1,500	N	N	20	150	30	50	N	<20
422113	70	2,000	<1.0	N	15	150	30	50	N	<20
422114	70	2,000	N	N	20	200	30	30	N	N
422115	100	2,000	1.0	N	20	200	30	50	N	<20
422116	70	1,500	<1.0	N	20	200	30	N	N	N
422118	50	1,500	N	N	15	150	20	50	N	<20
422119	70	1,500	N	N	15	150	20	N	N	N
422120	50	1,500	<1.0	N	15	150	20	50	N	N
422121	30	1,500	N	N	15	100	20	30	N	N
422122	100	2,000	1.0	N	30	100	50	50	N	<20
422123	50	1,500	1.0	N	20	100	30	50	N	N
422124	50	2,000	<1.0	N	20	200	70	50	N	N
422125	70	2,000	<1.0	N	15	150	30	50	N	N
422126	100	2,000	1.0	N	20	200	30	70	N	<20
422127	70	1,500	<1.0	N	30	150	50	50	N	<20
422128	70	1,000	N	N	20	200	20	70	N	<20
422130	70	1,000	N	N	20	200	30	50	N	N
422131	100	1,000	1.0	N	20	200	30	70	N	20
422132	30	700	N	N	15	150	20	50	N	N
422133	50	1,000	<1.0	N	15	150	15	50	N	N
422134	50	1,000	<1.0	N	15	150	20	50	N	N
422135	100	700	<1.0	N	15	70	50	N	N	<20
422136	100	700	1.0	N	20	100	30	30	N	20
422137	100	2,000	1.5	N	15	200	50	70	N	20
422138	70	1,500	1.5	N	15	150	30	70	N	<20
422139	100	1,500	1.0	N	20	200	50	50	<5	<20
422140	150	1,000	1.0	N	15	200	20	50	N	<20
422141	<10	700	1.0	N	N	20	10	N	N	N
422142	100	1,500	<1.0	N	20	200	50	50	<5	<20
422143	150	1,000	<1.0	N	15	200	50	50	N	30
422144	150	1,500	1.0	N	15	200	30	50	N	20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422098	30	30	15	N	300	200	N	50	N	300	N
422099	30	30	20	N	300	200	N	50	N	300	N
422100	30	30	20	N	300	150	N	50	N	300	N
422101	70	20	20	N	300	300	N	50	N	300	N
422102	200	20	20	N	150	200	N	30	N	150	N
422103	150	20	15	N	200	200	N	20	N	150	N
422104	70	20	20	N	200	300	N	50	N	300	N
422105	70	30	20	N	150	300	N	30	N	200	N
422106	50	20	20	N	<100	200	N	30	N	150	N
422107	50	30	20	N	200	500	N	50	N	300	N
422108	50	30	20	N	100	300	N	50	200	300	N
422109	50	10	20	N	200	200	N	30	N	300	N
422110	50	30	20	N	<100	500	N	30	N	200	N
422111	50	20	20	N	200	500	N	30	N	500	N
422112	30	20	20	N	200	200	N	50	N	500	N
422113	50	20	15	N	300	200	N	50	N	500	N
422114	50	20	20	N	<100	500	N	30	N	500	N
422115	50	30	20	N	300	300	N	50	<200	500	N
422116	50	30	15	N	200	200	N	30	N	300	N
422118	20	20	20	N	300	200	N	50	N	500	N
422119	30	20	15	N	200	300	N	30	N	500	N
422120	20	20	20	N	200	300	N	50	N	500	N
422121	20	20	20	N	200	300	N	30	N	300	N
422122	50	50	20	N	200	500	N	50	N	300	N
422123	30	30	20	N	200	300	N	50	N	500	N
422124	30	20	20	N	<100	500	N	50	N	500	N
422125	30	20	20	N	200	300	N	50	N	500	N
422126	50	20	15	N	200	300	N	50	N	700	N
422127	50	30	20	N	200	200	N	50	N	300	N
422128	30	20	15	N	200	200	N	70	N	>1,000	N
422130	30	20	15	N	200	150	N	50	N	1,000	N
422131	50	30	15	N	200	150	N	50	N	500	N
422132	20	20	10	N	200	300	N	20	N	700	N
422133	20	20	20	N	300	300	N	30	N	700	N
422134	30	20	15	N	150	150	N	30	N	200	N
422135	30	15	10	N	<100	100	N	20	N	500	N
422136	30	20	15	N	100	100	N	30	N	500	N
422137	50	30	30	N	300	200	N	50	N	500	N
422138	50	30	20	N	200	200	N	50	N	700	N
422139	50	30	20	N	200	200	N	50	N	700	N
422140	30	20	20	N	300	150	N	50	N	1,000	N
422141	15	10	10	N	<100	100	N	15	N	150	N
422142	50	20	20	N	300	200	N	50	N	500	N
422143	30	30	30	N	300	200	N	50	N	1,000	N
422144	50	20	20	N	200	150	N	50	N	700	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422145	65 9 18	147 42 33	1.50	2.00	5.0	>1.000	2,000	N	N
422146	65 8 22	147 23 47	10.00	2.00	5.0	>1.000	2,000	N	N
422147	65 7 9	147 52 42	10.00	2.00	5.0	>1.000	1,500	N	N
422148	65 5 9	147 40 23	15.00	2.00	5.0	1.000	1,500	N	N
422149	65 3 11	147 4 33	15.00	2.00	3.0	1.000	2,000	N	N
422150	65 1 54	147 49 19	10.00	2.00	5.0	1.000	2,000	N	N
422152	65 4 0	147 48 24	15.00	2.00	5.0	1.000	1,500	N	N
422153	65 3 21	147 53 44	7.00	1.50	3.0	1.000	1,000	1.0	N
422154	65 1 59	147 53 22	15.00	3.00	5.0	>1.000	1,500	N	N
422155	65 1 40	148 0 5	10.00	2.00	3.0	1.000	1,500	N	N
422156	65 2 52	148 0 30	2.00	1.50	.3	.200	200	N	N
422157	65 6 56	148 0 47	1.50	1.00	.3	.200	200	N	N
422158	65 30 6	148 34 58	2.00	1.50	.3	.200	200	N	N
422159	65 26 57	148 37 0	2.00	1.00	.2	.200	200	N	N
422160	65 23 24	148 39 34	1.50	1.00	.2	.150	200	N	N
422162	65 20 8	149 2 48	1.50	1.00	.5	.200	300	N	N
422163	65 18 33	149 5 57	2.00	1.00	.2	.200	200	N	N
422164	65 12 16	149 32 20	1.50	.50	.2	.150	200	N	N
422165	65 4 36	148 25 45	7.00	2.00	2.0	1.000	700	<.5	N
422166	65 2 35	148 9 39	5.00	2.00	3.0	1.000	700	N	N
422167	65 1 40	148 22 36	5.00	2.00	3.0	1.000	500	N	N
422168	65 16 11	148 50 47	7.00	2.00	5.0	>1.000	1,000	N	N
422169	65 20 21	148 44 48	5.00	1.50	2.0	.700	1,000	N	N
422170	65 29 3	148 43 45	10.00	2.00	3.0	>1.000	1,000	N	N
422171	65 34 32	148 22 27	7.00	2.00	2.0	1.000	700	N	N
422172	65 34 32	148 9 57	5.00	1.50	3.0	1.000	700	N	N
422173	65 34 10	148 10 4	10.00	3.00	3.0	>1.000	1,000	N	N
422174	65 34 47	148 2 30	10.00	2.00	5.0	>1.000	1,500	N	N
422175	65 34 41	147 55 44	7.00	2.00	5.0	>1.000	1,000	N	N
422177	65 34 18	147 48 33	7.00	2.00	5.0	>1.000	1,000	N	N
422178	65 34 51	147 42 37	7.00	1.50	3.0	1.000	700	N	N
422179	65 34 5	147 36 11	7.00	2.00	5.0	>1.000	1,000	N	N
422180	65 34 56	147 25 11	10.00	2.00	5.0	1.000	1,000	N	N
422182	65 34 30	147 24 46	7.00	2.00	5.0	>1.000	1,500	N	N
422183	65 35 24	147 20 59	7.00	2.00	5.0	1.000	1,000	N	N
422184	65 37 15	147 12 48	.70	1.00	5.0	.150	500	N	N
422185	65 37 33	147 10 36	5.00	2.00	5.0	1.000	700	N	N
422187	65 41 34	147 8 5	10.00	2.00	2.0	1.000	1,000	N	N
422188	65 39 54	147 30 17	7.00	2.00	3.0	1.000	500	N	N
422189	65 37 8	147 39 10	5.00	1.50	2.0	.700	500	N	N
422191	65 37 42	147 56 48	7.00	1.50	3.0	1.000	700	N	N
422192	65 37 50	147 8 26	7.00	2.00	3.0	1.000	700	N	N
422193	65 38 8	147 10 59	7.00	2.00	5.0	1.000	1,500	N	N
422194	65 28 10	148 36 21	7.00	2.00	5.0	1.000	1,000	N	N
422195	65 46 4	149 24 5	10.00	2.00	3.0	1.000	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422145	100	1,500	1.0	N	20	150	30	50	<5	20
422146	150	1,000	1.0	N	20	200	30	70	N	<20
422147	150	1,500	1.0	N	20	200	50	70	N	20
422148	50	1,500	<1.0	N	20	200	50	50	N	N
422149	100	2,000	1.5	N	30	150	50	50	N	N
422150	100	1,500	1.0	N	20	200	30	50	N	20
422152	100	2,000	1.0	N	20	200	50	70	N	<20
422153	100	1,500	1.0	N	15	100	20	50	7	<20
422154	100	1,500	<1.0	N	20	200	70	70	N	20
422155	100	1,000	1.0	N	20	200	50	70	N	N
422156	50	300	<1.0	N	15	100	20	30	N	N
422157	50	500	1.0	N	15	70	15	30	N	N
422158	50	500	<1.0	N	15	70	20	30	N	N
422159	50	500	1.0	N	20	70	30	50	N	N
422160	50	500	1.0	N	20	50	30	50	N	N
422162	50	500	1.0	N	15	70	20	20	N	N
422163	50	700	1.0	N	15	100	15	30	N	N
422164	50	500	<1.0	N	15	50	20	30	N	N
422165	70	2,000	<1.0	N	20	200	50	30	<5	N
422166	70	1,500	<1.0	N	15	500	50	30	N	N
422167	70	2,000	<1.0	N	15	300	70	50	<5	N
422168	70	2,000	<1.0	N	15	500	50	50	N	<20
422169	50	1,500	<1.0	N	10	100	30	N	N	N
422170	100	2,000	1.0	N	20	500	70	30	N	<20
422171	70	2,000	<1.0	N	20	300	70	30	N	N
422172	50	2,000	1.0	N	10	70	50	N	<5	N
422173	100	3,000	1.0	N	20	200	70	50	N	<20
422174	100	3,000	1.0	N	20	300	70	50	N	<20
422175	70	2,000	<1.0	N	15	300	50	50	N	<20
422177	70	3,000	1.0	N	20	300	70	50	N	<20
422178	70	2,000	<1.0	N	20	300	50	30	N	N
422179	100	3,000	<1.0	N	20	500	50	50	N	<20
422180	70	3,000	<1.0	N	20	500	100	50	5	<20
422182	100	3,000	<1.0	N	20	300	50	50	N	<20
422183	100	3,000	<1.0	N	20	300	50	50	N	N
422184	<10	500	<1.0	N	5	20	20	N	N	N
422185	100	2,000	1.0	N	20	300	50	50	<5	<20
422187	150	2,000	1.0	N	20	300	30	70	<5	<20
422188	70	1,000	<1.0	N	20	200	20	50	N	<20
422189	70	1,500	<1.0	N	15	150	15	50	N	<20
422191	70	1,500	1.0	N	10	200	20	50	N	<20
422192	70	1,500	<1.0	N	15	200	30	50	<5	<20
422193	70	1,500	<1.0	N	15	200	15	50	N	<20
422194	70	1,500	1.0	N	15	200	50	30	N	N
422195	70	1,500	<1.0	N	20	200	70	30	N	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422145	50	30	20	N	200	200	N	50	N	500	N
422146	50	20	30	N	300	150	N	50	N	700	N
422147	50	20	30	N	300	200	N	50	N	1,000	N
422148	50	50	20	N	200	200	N	50	N	500	N
422149	70	50	20	N	200	200	N	50	N	300	N
422150	50	30	20	N	300	200	N	50	N	700	N
422152	70	30	20	N	200	300	N	50	N	500	N
422153	30	20	15	N	200	150	N	50	N	1,000	N
422154	70	30	20	N	200	300	N	50	N	500	N
422155	70	50	20	N	200	300	N	50	N	300	N
422156	50	15	15	N	100	70	N	20	N	150	N
422157	30	10	7	N	100	70	N	15	N	150	N
422158	50	15	10	N	150	70	N	20	N	100	N
422159	50	20	10	N	100	100	N	20	N	150	N
422160	50	15	10	N	100	70	N	20	N	100	N
422162	70	10	7	N	150	70	N	15	N	100	N
422163	50	15	10	N	100	100	N	20	N	100	N
422164	50	15	7	N	<100	70	N	20	N	100	N
422165	50	50	20	N	200	200	N	20	<200	200	N
422166	50	20	20	N	200	150	N	20	<200	500	N
422167	50	20	20	N	200	200	N	30	N	300	N
422168	50	20	20	N	200	200	N	50	N	500	N
422169	50	15	10	N	100	150	N	20	N	150	N
422170	50	30	20	N	200	300	N	50	N	500	N
422171	50	20	20	N	200	200	N	30	N	300	N
422172	50	15	15	N	150	150	N	20	N	150	N
422173	50	30	30	N	300	200	N	50	<200	300	N
422174	50	50	30	N	300	300	N	50	N	300	N
422175	30	20	20	N	300	200	N	50	N	700	N
422177	50	30	30	N	300	200	N	50	N	300	N
422178	50	20	20	N	200	150	N	30	N	500	N
422179	30	20	30	N	300	300	N	50	N	700	N
422180	50	30	30	N	300	300	N	50	N	300	N
422182	50	20	20	N	300	300	N	50	N	500	N
422183	50	30	20	N	300	300	N	50	N	300	N
422184	30	<10	7	N	N	70	N	10	N	50	N
422185	50	20	20	N	300	200	N	50	N	700	N
422187	50	30	30	N	200	150	N	50	N	500	N
422188	30	20	20	N	300	150	N	30	N	200	N
422189	30	20	20	N	300	150	N	30	N	300	N
422191	30	20	30	N	300	200	N	30	N	300	N
422192	30	20	20	N	300	150	N	30	N	300	N
422193	30	15	20	N	300	150	N	50	N	300	N
422194	30	20	20	N	300	100	N	20	N	300	N
422195	50	20	20	N	200	200	N	50	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422196	65 51 43	149 35 20	5.00	2.00	5.0	1.000	1,000	N	N
422197	65 48 8	149 25 53	5.00	1.50	3.0	>1.000	1,000	N	N
422198	65 45 36	149 21 20	5.00	2.00	3.0	1.000	1,000	N	N
422199	65 44 56	149 20 8	.50	.50	3.0	.150	150	N	N
422200	65 44 22	149 17 26	5.00	1.50	1.0	.700	300	N	N
422201	65 43 45	149 12 45	7.00	2.00	3.0	1.000	700	N	N
422202	65 38 21	149 3 11	7.00	2.00	3.0	.700	700	N	N
422203	65 34 4	148 55 57	5.00	1.50	3.0	.700	700	N	N
422204	65 34 1	148 56 29	7.00	2.00	3.0	1.000	1,000	N	N
422205	65 30 51	148 49 50	3.00	1.50	1.5	.700	300	N	N
422206	65 31 9	148 47 31	7.00	2.00	3.0	1.000	700	N	N
422207	65 53 9	149 26 56	7.00	2.00	3.0	1.000	700	N	N
422208	65 22 32	148 39 15	7.00	2.00	3.0	1.000	1,000	N	N
422209	65 19 46	148 39 56	10.00	3.00	3.0	1.000	1,500	N	N
422210	65 17 26	148 41 15	10.00	2.00	5.0	1.000	1,000	N	N
422211	65 14 8	148 42 15	15.00	2.00	3.0	1.000	2,000	N	N
422212	65 11 57	148 43 29	10.00	2.00	3.0	1.000	1,000	N	N
422213	65 12 28	148 35 59	15.00	2.00	5.0	1.000	2,000	N	N
422214	65 13 53	148 28 41	10.00	2.00	5.0	1.000	5,000	N	N
422215	65 16 14	148 29 12	1.50	1.00	3.0	.300	500	N	N
422216	65 15 52	148 23 14	15.00	3.00	5.0	1.000	1,500	N	N
422217	65 15 1	148 20 59	7.00	1.50	5.0	.700	1,000	N	N
422218	65 13 36	148 26 6	7.00	2.00	7.0	1.000	1,500	N	N
422219	65 11 25	148 26 12	7.00	1.50	3.0	1.000	700	N	N
422221	65 10 50	148 31 3	7.00	2.00	3.0	1.000	700	N	N
422222	65 8 12	148 28 54	7.00	1.50	3.0	1.000	700	N	N
422223	65 8 38	148 35 18	10.00	2.00	5.0	.700	1,500	N	N
422224	65 7 12	148 44 49	10.00	2.00	5.0	1.000	1,500	N	N
422225	65 6 33	148 37 50	10.00	2.00	5.0	1.000	1,500	N	N
422226	65 7 3	148 31 56	7.00	2.00	5.0	1.000	1,000	N	N
422227	65 4 42	148 30 47	7.00	1.50	3.0	1.000	1,000	N	N
422228	65 5 20	148 26 45	7.00	3.00	7.0	.700	1,500	N	N
422230	65 7 5	148 18 16	7.00	2.00	2.0	1.000	1,500	N	N
422231	65 3 15	148 6 15	7.00	1.50	2.0	1.000	1,000	N	N
422232	65 1 56	148 6 20	5.00	1.50	3.0	1.000	1,000	N	N
422233	65 2 8	148 11 43	5.00	1.50	2.0	1.000	1,000	N	N
422234	65 1 32	148 19 19	7.00	2.00	5.0	1.000	1,000	N	N
422235	65 1 28	148 24 1	7.00	3.00	7.0	1.000	1,500	N	N
422236	65 1 17	148 29 12	7.00	2.00	5.0	.700	1,500	N	N
422237	65 1 59	148 38 44	7.00	2.00	3.0	1.000	1,500	N	N
422238	65 2 49	148 38 20	5.00	1.50	5.0	1.000	1,000	N	N
422239	65 0 41	148 42 10	15.00	2.00	.2	1.000	1,000	N	N
422240	65 1 58	148 48 53	10.00	3.00	7.0	1.000	1,000	N	N
422241	65 1 50	148 53 9	7.00	1.50	2.0	1.000	500	N	N
422242	65 3 47	148 55 28	7.00	2.00	7.0	1.000	700	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422196	50	1,000	<1.0	N	10	150	15	30	N	N
422197	70	700	<1.0	N	10	200	50	30	<5	<20
422198	70	1,000	1.0	N	15	200	20	30	N	N
422199	<10	300	1.0	N	N	10	20	N	N	N
422200	50	700	<1.0	N	15	200	30	30	N	N
422201	70	1,500	1.0	N	10	150	30	50	N	<20
422202	70	1,500	1.0	N	20	200	50	50	N	<20
422203	50	1,500	<1.0	N	15	200	70	30	N	N
422204	70	1,500	<1.0	N	20	200	50	50	N	N
422205	50	700	<1.0	N	10	70	15	30	N	N
422206	70	2,000	1.0	N	15	200	50	50	N	N
422207	70	2,000	1.0	N	20	200	50	50	N	<20
422208	70	2,000	1.0	N	20	150	30	50	<5	N
422209	70	1,500	<1.0	N	15	300	50	50	N	<20
422210	70	2,000	<1.0	N	15	200	50	70	N	N
422211	70	2,000	<1.0	N	15	300	100	30	<5	N
422212	70	2,000	<1.0	N	20	200	50	70	N	<20
422213	70	1,500	N	N	10	300	30	50	N	N
422214	100	2,000	1.5	N	15	300	50	70	N	<20
422215	20	700	1.0	N	7	20	20	N	N	N
422216	70	2,000	N	N	15	200	70	20	N	<20
422217	100	2,000	<1.0	N	15	200	20	50	N	<20
422218	70	2,000	<1.0	N	15	200	30	50	N	<20
422219	70	1,500	<1.0	N	10	300	20	50	<5	<20
422221	100	2,000	<1.0	N	15	200	50	50	N	N
422222	70	2,000	<1.0	N	10	150	30	50	N	<20
422223	100	2,000	<1.0	N	20	200	100	30	<5	N
422224	70	2,000	<1.0	N	15	200	30	50	N	<20
422225	70	2,000	<1.0	N	20	200	50	30	<5	<20
422226	70	2,000	<1.0	N	15	300	20	50	<5	<20
422227	100	2,000	<1.0	N	15	150	20	50	N	<20
422228	100	2,000	<1.0	N	20	500	50	50	N	<20
422230	100	2,000	1.0	N	15	200	20	50	N	<20
422231	70	1,500	<1.0	N	20	200	15	20	N	<20
422232	70	2,000	<1.0	N	15	150	20	30	N	<20
422233	70	1,000	<1.0	N	15	200	15	20	N	<20
422234	70	1,500	<1.0	N	15	200	30	30	N	N
422235	70	2,000	1.0	N	20	300	50	70	N	<20
422236	50	2,000	<1.0	N	20	200	30	50	N	<20
422237	70	2,000	1.0	N	20	200	50	50	N	<20
422238	70	2,000	<1.0	N	15	200	30	50	N	<20
422239	50	2,000	<1.0	N	20	300	50	20	<5	<20
422240	70	2,000	<1.0	N	20	300	30	70	<5	<20
422241	70	1,500	<1.0	N	15	300	30	50	N	<20
422242	70	2,000	<1.0	N	15	200	30	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422196	20	15	20	N	300	100	N	20	N	300	N
422197	30	15	20	N	200	150	N	30	N	500	N
422198	30	20	20	N	200	150	N	30	N	500	N
422199	15	<10	<5	N	N	70	N	15	N	70	N
422200	30	20	10	N	150	100	N	20	N	150	N
422201	30	20	20	N	200	200	N	30	N	300	N
422202	30	20	20	N	300	200	N	30	<200	200	N
422203	30	20	20	N	300	150	N	30	N	200	N
422204	50	20	20	N	300	200	N	30	N	300	N
422205	30	10	10	N	150	150	N	20	N	150	N
422206	70	20	20	N	300	200	N	50	N	200	N
422207	50	20	20	N	300	200	N	50	N	300	N
422208	50	20	20	N	300	200	N	50	N	300	N
422209	30	20	20	N	300	300	N	30	N	300	N
422210	50	20	20	N	300	150	N	50	N	200	N
422211	50	20	20	N	200	300	N	30	N	200	N
422212	50	20	30	N	300	300	N	50	N	300	N
422213	20	30	15	N	500	500	N	20	N	1,000	N
422214	50	30	20	N	700	200	100	50	N	700	N
422215	30	<10	10	N	<100	100	N	20	N	70	N
422216	50	20	20	N	300	500	N	20	N	500	N
422217	30	30	20	N	500	150	N	30	N	300	N
422218	50	20	20	N	500	300	N	30	N	300	N
422219	30	15	20	N	300	200	N	50	N	700	N
422221	70	15	20	N	300	200	N	50	N	300	N
422222	20	20	20	N	300	150	N	50	N	300	N
422223	50	15	20	N	300	300	N	50	N	300	N
422224	30	15	20	N	500	200	N	50	N	1,000	N
422225	30	20	20	N	500	200	N	50	N	500	N
422226	30	15	20	N	500	200	N	50	N	500	N
422227	20	15	20	20	500	150	N	50	N	300	N
422228	50	20	20	N	500	150	N	50	N	300	N
422230	30	20	20	N	200	200	N	50	N	300	N
422231	30	20	20	N	200	150	N	30	N	500	N
422232	30	20	20	N	300	150	N	30	N	300	N
422233	30	20	10	N	200	150	N	30	N	300	N
422234	50	20	20	N	300	150	N	30	N	200	N
422235	50	20	30	N	500	200	N	30	N	500	N
422236	50	20	20	N	300	200	N	50	N	300	N
422237	50	50	20	N	200	150	N	50	N	300	N
422238	50	20	20	N	300	200	N	50	N	500	N
422239	30	50	15	N	<100	150	N	20	N	500	N
422240	50	20	20	N	500	200	N	50	N	500	N
422241	30	30	15	N	200	100	N	30	N	300	N
422242	50	20	20	N	500	150	N	50	N	500	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422243	65 3 20	148 49 18	10.00	1.50	2.0	.700	5,000	N	N
422244	65 4 42	148 44 31	7.00	1.50	2.0	1.000	2,000	N	N
422245	65 6 19	148 47 51	15.00	3.00	5.0	>1.000	1,500	N	N
422247	65 5 27	148 53 25	7.00	2.00	3.0	1.000	700	N	N
422248	65 9 38	148 53 33	7.00	3.00	5.0	1.000	1,500	N	N
422249	65 10 28	148 53 38	5.00	1.50	2.0	1.000	500	N	N
422250	65 9 28	148 48 11	7.00	1.50	5.0	1.000	1,000	N	N
422251	65 12 11	148 50 53	7.00	2.00	2.0	.700	1,000	N	N
422252	65 13 0	148 51 29	7.00	2.00	5.0	1.000	1,500	N	N
422253	65 18 15	148 45 41	7.00	2.00	5.0	1.000	1,000	N	N
422254	65 21 24	148 44 54	5.00	2.00	5.0	1.000	1,000	N	N
422255	65 21 56	148 50 8	10.00	2.00	5.0	1.000	1,500	N	N
422256	65 23 26	148 48 42	7.00	2.00	5.0	1.000	1,000	N	N
422257	65 26 8	148 43 38	5.00	2.00	5.0	1.000	700	<.5	N
422258	65 29 54	148 49 36	7.00	2.00	5.0	>1.000	2,000	N	N
422259	65 34 30	148 16 37	10.00	1.50	5.0	1.000	1,500	N	N
422260	65 33 43	147 46 18	7.00	2.00	3.0	1.000	2,000	N	N
422261	65 43 27	147 14 0	10.00	2.00	5.0	>1.000	1,500	N	N
422262	65 43 46	147 17 30	10.00	2.00	5.0	>1.000	3,000	N	N
422263	65 43 18	147 21 46	7.00	1.50	5.0	>1.000	2,000	N	N
422264	65 42 52	147 26 35	5.00	2.00	3.0	1.000	500	.5	N
422265	65 59 45	149 16 59	7.00	1.50	5.0	1.000	1,500	N	N
422266	65 59 54	149 23 52	7.00	2.00	5.0	1.000	1,000	N	N
422267	65 58 19	149 21 46	10.00	3.00	7.0	1.000	3,000	N	N
422268	65 56 44	149 23 52	10.00	2.00	10.0	1.000	1,500	N	N
422269	65 50 9	149 37 24	10.00	2.00	3.0	>1.000	1,500	N	N
422270	65 52 3	149 41 21	7.00	3.00	10.0	1.000	1,000	N	N
422271	65 52 44	149 34 32	7.00	2.00	7.0	1.000	2,000	N	N
422272	65 36 55	148 11 9	5.00	1.50	3.0	1.000	500	<.5	N
422273	65 40 27	148 15 47	5.00	1.50	3.0	1.000	1,000	N	N
422274	65 44 7	148 11 52	5.00	1.50	3.0	.700	700	N	N
422275	65 42 46	148 2 26	10.00	2.00	3.0	.700	1,000	N	N
422276	65 42 15	147 58 6	5.00	1.50	2.0	.700	500	N	N
422277	65 44 12	147 53 20	10.00	2.00	3.0	.700	1,000	<.5	N
422278	65 44 44	147 50 20	3.00	1.50	2.0	.700	500	N	N
422279	65 42 10	147 42 42	7.00	2.00	2.0	1.000	1,000	<.5	N
422280	65 42 2	147 41 31	1.00	.50	1.5	.200	200	N	N
422281	65 45 20	147 37 41	5.00	2.00	3.0	1.000	1,000	N	N
422282	65 48 48	147 26 21	5.00	2.00	3.0	1.000	700	N	N
422283	65 48 15	147 17 45	7.00	2.00	2.0	1.000	700	N	N
422284	65 49 27	147 11 58	5.00	2.00	3.0	1.000	2,000	N	N
422285	65 49 13	147 10 18	5.00	1.50	2.0	1.000	1,000	N	N
422286	65 49 56	147 0 39	10.00	2.00	2.0	1.000	2,000	N	N
422287	65 45 2	147 8 44	5.00	1.50	2.0	1.000	1,500	N	N
422288	65 39 56	147 34 19	5.00	1.50	2.0	1.000	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422243	50	1,500	<1.0	N	50	200	20	50	N	N
422244	70	1,500	<1.0	N	20	200	30	50	N	<20
422245	50	2,000	N	N	10	200	15	30	N	<20
422247	70	2,000	<1.0	N	10	150	15	50	N	<20
422248	70	2,000	1.0	N	20	500	30	50	N	<20
422249	50	1,500	<1.0	N	10	200	15	50	N	<20
422250	70	2,000	<1.0	N	15	150	20	50	N	<20
422251	70	1,000	<1.0	<10	20	500	50	20	5	<20
422252	70	2,000	<1.0	N	15	200	30	50	N	<20
422253	70	2,000	<1.0	N	15	200	30	30	N	<20
422254	100	2,000	<1.0	N	15	200	20	50	N	<20
422255	70	2,000	<1.0	N	20	300	30	50	N	<20
422256	100	2,000	<1.0	N	15	200	30	50	N	<20
422257	70	2,000	<1.0	N	10	150	20	30	N	N
422258	100	3,000	<1.0	N	15	300	50	50	N	<20
422259	100	2,000	1.0	N	15	200	30	30	N	N
422260	70	2,000	<1.0	N	20	200	20	30	N	<20
422261	100	2,000	1.0	N	15	300	20	50	N	<20
422262	70	3,000	<1.0	N	20	200	50	50	N	N
422263	100	2,000	<1.0	N	15	300	30	50	N	<20
422264	100	2,000	1.0	N	20	200	50	50	<5	N
422265	70	3,000	1.0	N	20	300	30	50	N	<20
422266	70	2,000	<1.0	N	20	200	30	50	N	<20
422267	100	3,000	<1.0	N	20	200	50	50	N	N
422268	100	2,000	<1.0	N	20	200	50	30	N	N
422269	100	2,000	<1.0	N	20	300	30	50	N	<20
422270	50	2,000	<1.0	N	15	200	50	20	N	N
422271	70	2,000	1.0	N	20	200	30	50	N	N
422272	100	2,000	1.0	N	20	200	50	50	<5	<20
422273	100	2,000	1.0	N	15	150	20	50	N	<20
422274	70	1,500	1.0	N	15	100	20	50	N	N
422275	50	1,500	<1.0	N	20	150	100	N	7	N
422276	100	1,500	1.0	N	15	150	30	50	N	<20
422277	70	2,000	1.0	N	20	150	50	50	N	N
422278	100	2,000	1.0	N	15	100	20	50	N	<20
422279	100	2,000	1.0	N	20	200	20	70	N	<20
422280	30	700	1.0	<10	N	30	15	N	N	N
422281	100	2,000	<1.0	N	15	150	20	50	N	<20
422282	70	2,000	<1.0	N	15	150	20	50	N	<20
422283	100	2,000	1.0	N	20	150	50	50	N	<20
422284	100	2,000	1.0	N	20	100	30	50	N	<20
422285	100	1,500	1.0	N	15	150	30	50	N	<20
422286	100	2,000	1.0	N	30	150	50	50	N	20
422287	100	1,500	1.0	N	20	150	20	70	N	<20
422288	100	1,500	1.0	N	20	100	15	50	N	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422243	50	15	20	N	150	150	N	30	N	200	N
422244	50	20	20	N	200	150	N	50	N	500	N
422245	20	20	20	N	500	150	N	20	N	500	N
422247	30	20	20	N	300	100	N	50	N	500	N
422248	70	20	20	N	300	200	N	50	N	300	N
422249	20	15	15	N	200	150	N	30	N	200	N
422250	30	20	20	N	300	150	N	50	N	200	N
422251	70	30	20	N	150	150	N	20	N	150	N
422252	30	20	20	N	500	200	N	50	N	500	N
422253	30	20	20	N	500	200	N	30	N	500	N
422254	30	20	20	N	500	150	N	50	N	700	N
422255	50	20	20	N	300	200	N	50	N	700	N
422256	50	20	20	N	500	200	N	50	N	500	N
422257	30	20	15	N	300	150	N	20	N	300	N
422258	30	20	30	N	500	200	N	50	N	1,000	N
422259	50	20	20	N	500	200	N	50	N	500	N
422260	50	20	20	N	300	200	N	50	N	1,000	N
422261	30	20	30	N	300	200	N	50	N	1,000	N
422262	30	15	20	N	500	200	N	50	N	1,000	N
422263	50	15	20	N	500	200	N	50	N	1,000	N
422264	50	30	20	N	200	300	N	30	N	200	N
422265	50	20	20	<10	500	200	N	50	N	700	N
422266	50	30	20	N	500	200	N	50	N	300	N
422267	50	20	20	N	500	200	N	50	N	300	N
422268	50	20	20	N	500	200	N	50	N	300	N
422269	50	20	30	N	500	200	N	50	N	700	N
422270	30	10	20	N	500	200	N	30	N	200	N
422271	50	15	30	<10	500	200	N	50	N	300	N
422272	50	20	20	N	300	150	N	50	N	150	N
422273	50	20	20	N	300	150	N	30	N	300	N
422274	30	15	15	N	300	150	N	30	N	200	N
422275	50	20	20	N	300	150	N	30	N	150	N
422276	50	20	20	N	200	150	N	30	N	200	N
422277	30	20	20	N	300	200	N	50	N	300	N
422278	30	15	15	N	300	100	N	50	N	200	N
422279	50	50	20	N	300	150	N	50	N	200	N
422280	10	10	7	N	<100	70	N	15	N	70	N
422281	30	20	20	N	300	150	N	70	N	300	N
422282	30	30	20	N	300	150	N	50	N	300	N
422283	50	30	20	N	200	200	N	50	N	200	N
422284	50	20	20	N	300	150	N	50	N	300	N
422285	50	50	20	N	300	150	N	50	N	300	N
422286	70	50	30	N	200	200	N	50	N	200	N
422287	30	20	20	N	300	150	N	50	N	300	N
422288	30	20	20	N	300	150	N	50	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422289	65 38 49	147 49 10	5.00	1.50	2.0	1.000	1,000	N	N
422290	65 39 46	147 55 26	5.00	2.00	3.0	1.000	1,000	N	N
422291	65 35 33	148 19 51	5.00	1.50	2.0	.700	1,000	N	N
422292	65 37 45	148 25 33	7.00	2.00	3.0	1.000	1,000	5.0	N
422293	65 39 33	148 26 7	7.00	2.00	3.0	.700	2,000	<.5	N
422294	65 51 33	148 24 55	5.00	1.50	3.0	1.000	700	N	N
422295	65 47 52	148 31 41	5.00	2.00	3.0	1.000	700	N	N
422296	65 45 48	148 33 38	5.00	1.50	2.0	1.000	500	N	N
422297	65 39 24	148 32 30	7.00	1.50	3.0	1.000	1,500	N	N
422298	65 39 33	148 22 27	5.00	1.50	2.0	1.000	500	30.0	N
422299	65 46 54	148 7 49	10.00	2.00	2.0	1.000	3,000	N	N
422300	65 48 11	148 4 18	5.00	1.50	2.0	.700	700	N	N
422301	65 50 8	148 2 8	5.00	2.00	2.0	1.000	500	N	N
422302	65 50 41	148 4 35	5.00	1.50	1.0	.700	1,500	N	N
422303	65 52 56	148 2 45	7.00	1.50	2.0	1.000	1,000	N	N
422304	65 34 37	148 33 51	1.50	1.00	20.0	.070	3,000	N	N
422305	65 43 36	148 28 0	5.00	1.50	2.0	.500	500	<.5	N
422306	65 47 2	148 15 35	10.00	2.00	3.0	1.000	2,000	N	N
422307	65 47 3	148 14 18	7.00	2.00	2.0	1.000	1,000	N	N
422308	65 53 48	148 38 20	10.00	2.00	2.0	1.000	2,000	N	N
422309	65 44 7	147 59 9	7.00	2.00	3.0	1.000	2,000	N	N
422310	65 45 42	147 53 52	5.00	1.50	2.0	1.000	1,500	N	N
422311	65 47 53	147 50 31	5.00	1.50	3.0	.700	700	N	N
422312	65 52 15	147 42 29	5.00	1.00	1.0	.500	300	N	N
422314	65 56 35	147 49 6	5.00	1.50	3.0	1.000	700	N	N
422315	66 0 0	147 49 44	5.00	1.50	3.0	.700	1,000	N	N
422316	65 55 0	149 30 6	5.00	1.50	3.0	.700	1,000	N	N
422317	65 58 11	149 29 30	5.00	1.50	3.0	1.000	500	<.5	N
422318	65 59 52	149 29 48	3.00	1.50	3.0	.500	300	N	N
422319	65 59 13	149 33 33	3.00	1.50	3.0	1.000	500	N	N
422320	65 59 53	149 36 1	7.00	2.00	5.0	1.000	500	<.5	N
422321	65 56 12	149 42 28	3.00	1.50	2.0	.700	300	N	N
422322	65 56 31	149 38 48	3.00	1.50	3.0	.500	700	N	N
422323	65 54 41	149 40 0	3.00	1.50	3.0	.700	300	<.5	N
422324	65 53 8	149 43 44	7.00	2.00	5.0	1.000	1,000	N	N
422325	65 42 50	148 20 54	5.00	1.50	3.0	1.000	500	<.5	N
422326	65 44 43	148 7 18	5.00	1.00	3.0	.500	300	N	N
422327	65 44 12	148 4 44	5.00	1.50	3.0	1.000	500	N	N
422328	65 43 14	147 41 9	10.00	2.00	5.0	1.000	1,000	N	N
422329	65 47 36	147 32 34	7.00	1.50	3.0	1.000	700	N	N
422330	65 47 31	147 30 29	7.00	1.50	2.0	1.000	500	N	N
422331	65 48 29	147 23 26	7.00	1.50	2.0	.700	500	N	N
422332	65 48 30	147 14 2	5.00	1.50	2.0	1.000	700	N	N
422333	65 44 8	147 1 39	5.00	1.50	3.0	1.000	1,000	N	N
422334	65 44 43	147 5 8	5.00	1.50	3.0	.700	700	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422289	100	1,500	1.0	N	20	100	20	50	N	<20
422290	70	2,000	1.0	N	15	150	20	50	N	<20
422291	70	1,500	1.0	N	20	100	20	50	N	<20
422292	100	2,000	1.0	N	20	150	20	50	N	20
422293	70	1,500	1.0	N	30	150	30	30	N	N
422294	70	2,000	1.0	N	15	100	15	30	N	<20
422295	100	2,000	<1.0	N	20	200	20	50	N	20
422296	70	1,000	1.0	N	15	100	15	30	N	N
422297	100	1,500	1.0	N	15	150	20	50	N	<20
422298	100	1,500	1.0	N	15	100	20	50	N	<20
422299	70	2,000	1.0	N	15	100	20	50	N	N
422300	70	1,500	1.0	N	15	100	20	50	N	N
422301	100	2,000	1.0	N	20	150	30	70	N	30
422302	100	1,500	1.5	N	15	100	20	30	<5	20
422303	100	1,500	1.0	N	20	150	50	50	7	20
422304	20	500	<1.0	N	7	30	15	N	N	N
422305	100	1,000	1.0	N	15	70	30	30	<5	N
422306	100	2,000	1.0	N	20	100	50	50	<5	30
422307	100	2,000	1.0	N	30	200	50	50	N	<20
422308	100	2,000	1.0	N	30	200	30	30	5	<20
422309	70	1,000	<1.0	N	20	1,000	50	50	N	N
422310	100	1,500	<1.0	N	20	100	30	50	N	<20
422311	70	1,500	<1.0	N	15	100	20	30	N	N
422312	50	1,000	1.0	N	10	50	20	30	<5	N
422314	70	1,500	1.0	N	15	100	15	50	N	<20
422315	50	1,500	<1.0	N	15	100	50	30	N	<20
422316	70	2,000	1.0	N	10	150	15	50	N	N
422317	70	2,000	1.0	N	15	150	30	30	N	<20
422318	50	1,000	1.0	N	10	70	15	N	<5	N
422319	70	2,000	1.0	N	10	150	20	50	N	<20
422320	70	2,000	1.0	N	15	150	50	50	<5	<20
422321	70	700	1.0	N	10	70	15	30	N	N
422322	50	700	1.0	N	10	50	15	N	N	N
422323	70	2,000	1.0	N	10	100	50	50	N	N
422324	70	2,000	1.0	N	20	150	50	50	N	N
422325	70	2,000	1.0	N	15	150	50	50	7	N
422326	30	700	1.0	N	10	50	15	N	<5	N
422327	70	1,500	1.0	N	15	100	30	50	<5	N
422328	100	2,000	<1.0	N	20	200	50	70	N	N
422329	70	2,000	1.0	N	15	150	20	50	N	N
422330	100	2,000	1.0	N	20	150	50	50	N	<20
422331	70	2,000	1.0	N	15	150	20	50	N	<20
422332	70	1,500	1.0	N	15	100	20	30	N	<20
422333	70	1,500	1.0	N	15	150	20	50	N	N
422334	70	1,500	<1.0	N	10	150	15	20	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422289	50	20	20	N	200	150	N	50	N	300	N
422290	30	20	20	N	300	200	N	50	N	500	N
422291	50	20	20	N	300	150	N	50	N	200	N
422292	30	50	20	N	500	200	N	50	N	300	N
422293	50	30	20	N	300	150	N	30	N	150	N
422294	30	20	20	N	300	150	N	30	N	500	N
422295	30	20	20	N	300	200	N	50	N	700	N
422296	30	15	20	N	200	150	N	50	N	200	N
422297	30	30	20	N	300	150	N	50	N	500	N
422298	30	20	15	N	200	150	N	50	N	300	N
422299	50	20	20	N	<100	200	N	30	N	150	N
422300	30	15	20	N	200	150	N	50	N	200	N
422301	30	30	20	N	200	200	N	70	N	700	N
422302	50	20	15	30	100	150	N	50	N	500	N
422303	50	70	20	50	200	150	N	70	N	500	N
422304	10	10	10	N	300	30	N	10	N	50	N
422305	30	20	15	N	100	150	N	30	N	200	N
422306	50	30	30	<10	200	200	N	70	N	500	N
422307	50	50	20	N	200	200	N	50	N	500	N
422308	50	30	30	20	200	300	N	50	N	300	N
422309	100	30	30	N	200	200	N	50	N	300	N
422310	30	20	20	N	200	150	N	50	N	300	N
422311	30	15	15	N	200	150	N	30	N	200	N
422312	30	20	15	N	150	150	N	30	N	200	N
422314	30	20	20	N	300	150	N	50	N	300	N
422315	50	15	20	N	300	200	N	50	N	200	N
422316	30	15	20	N	300	100	N	50	N	300	N
422317	50	20	20	20	500	150	N	50	N	200	N
422318	30	10	15	N	200	100	N	30	N	150	N
422319	30	20	20	N	300	150	N	50	N	500	N
422320	50	20	20	<10	300	200	N	50	N	200	N
422321	30	10	15	N	150	150	N	30	N	150	N
422322	30	10	15	N	200	100	N	20	N	100	N
422323	30	20	20	N	300	150	N	30	N	200	N
422324	30	20	20	N	300	200	N	50	N	200	N
422325	50	20	20	100	300	200	N	50	N	200	N
422326	30	15	10	N	100	100	N	30	N	150	N
422327	30	20	20	N	300	150	N	50	N	300	N
422328	50	20	20	<10	500	200	N	70	N	200	N
422329	50	20	20	N	500	150	N	50	N	300	N
422330	50	20	20	N	300	150	N	30	N	200	N
422331	30	15	20	N	300	200	N	30	N	200	N
422332	30	20	15	N	300	150	N	50	N	300	N
422333	30	20	15	N	300	150	N	50	N	300	N
422334	30	15	15	N	300	100	N	30	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422335	65 43 44	147 22 49	5.00	1.50	3.0	.700	1,000	N	N
422336	65 35 26	148 23 51	7.00	2.00	3.0	>1.000	1,000	N	N
422337	65 43 49	148 26 15	5.00	1.50	3.0	1.000	1,000	N	N
422338	65 56 57	148 23 33	5.00	1.50	3.0	1.000	1,000	N	N
422339	65 58 5	148 24 15	.20	.15	2.0	.050	300	N	N
422340	65 59 35	148 22 41	7.00	2.00	3.0	1.000	700	N	N
422342	65 59 49	148 30 46	5.00	1.50	3.0	1.000	500	N	N
422344	65 58 51	148 32 31	7.00	2.00	3.0	1.000	1,000	N	N
422345	65 57 33	148 32 3	1.00	.50	3.0	.300	300	N	N
422346	65 55 59	148 30 24	7.00	1.50	3.0	1.000	2,000	<.5	N
422347	65 54 1	148 31 12	10.00	2.00	1.0	.700	2,000	N	N
422348	65 51 29	148 31 59	10.00	2.00	3.0	1.000	2,000	N	N
422352	65 43 48	148 30 33	5.00	1.50	3.0	.700	500	N	N
422353	65 39 34	148 20 39	10.00	1.50	3.0	.700	700	N	N
422354	65 54 56	148 8 30	7.00	1.50	3.0	1.000	500	N	N
422355	65 57 47	148 4 50	5.00	1.50	2.0	.700	500	<.5	N
422356	65 59 13	148 2 52	5.00	1.50	3.0	1.000	500	N	N
422357	65 58 0	147 56 40	10.00	3.00	3.0	1.000	2,000	N	N
422358	65 37 30	148 33 45	1.00	.20	3.0	.100	500	N	N
422359	65 50 45	148 21 29	7.00	1.50	2.0	.700	700	N	N
422360	65 52 3	148 27 5	10.00	1.50	3.0	.700	700	<.5	N
422363	65 56 16	148 17 32	5.00	1.50	3.0	1.000	500	N	N
422364	65 55 41	148 14 35	7.00	1.50	2.0	1.000	1,000	N	N
422365	65 58 40	148 20 25	10.00	1.50	2.0	1.000	1,500	N	N
422366	65 58 17	148 36 47	10.00	2.00	3.0	1.000	1,500	N	N
422367	65 49 18	148 40 44	7.00	1.50	3.0	1.000	700	N	N
422368	65 48 8	148 38 20	7.00	1.50	2.0	.700	1,000	N	N
422369	65 45 2	148 36 55	7.00	1.50	3.0	1.000	1,000	N	N
422370	65 35 41	148 36 56	5.00	1.50	3.0	.700	500	N	N
422371	65 58 18	148 50 13	5.00	2.00	3.0	1.000	700	N	N
422372	65 59 8	147 49 58	3.00	1.50	2.0	.700	500	N	N
422373	65 59 29	147 50 26	7.00	1.50	1.5	.700	1,500	N	N
422374	65 59 51	147 43 18	5.00	1.50	5.0	.700	500	N	N
422375	65 59 56	147 39 38	3.00	1.50	3.0	.500	500	N	N
422376	65 56 21	147 19 46	1.00	.20	.7	.100	150	N	N
422377	65 46 24	147 43 36	2.00	.70	1.0	.200	200	<.5	N
422378	65 33 50	148 41 57	3.00	1.50	2.0	.700	300	N	N
422379	65 34 23	148 41 36	3.00	1.50	1.5	.500	200	N	N
422380	65 36 55	148 53 57	5.00	2.00	2.0	.700	700	N	N
422381	65 36 12	148 53 53	3.00	1.50	1.5	.500	500	N	N
422382	65 39 51	148 59 22	2.00	.70	1.0	.500	200	N	N
422383	65 44 35	148 48 0	7.00	2.00	1.5	.500	700	N	N
422384	65 51 35	149 46 17	7.00	2.00	2.0	.500	1,000	<.5	N
422385	65 50 54	149 54 23	2.00	.70	.7	.300	200	N	N
422387	65 59 56	147 36 37	3.00	1.50	1.0	.700	300	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422335	70	1,500	1.0	N	10	100	15	N	N	N
422336	100	2,000	<1.0	N	15	200	30	70	N	<20
422337	100	1,500	<1.0	N	15	200	20	50	N	<20
422338	100	2,000	1.0	N	15	200	20	70	N	<20
422339	<10	200	<1.0	<10	N	N	<5	N	N	N
422340	100	2,000	1.0	N	15	200	50	30	<5	N
422342	70	1,500	1.0	N	15	150	50	50	N	N
422344	100	1,500	<1.0	N	20	200	30	50	N	<20
422345	20	1,000	1.5	N	N	30	100	N	N	N
422346	100	2,000	<1.0	N	20	200	30	50	N	N
422347	150	2,000	1.0	N	30	300	30	20	<5	N
422348	100	2,000	1.0	N	20	200	50	50	N	N
422352	70	2,000	1.0	N	15	150	30	50	<5	N
422353	70	2,000	1.0	N	15	200	50	30	N	N
422354	100	2,000	1.0	N	15	200	30	70	N	<20
422355	70	1,500	1.0	N	20	150	50	30	N	<20
422356	70	2,000	<1.0	N	10	200	20	50	N	<20
422357	50	2,000	<1.0	N	20	300	50	20	N	N
422358	<10	500	1.0	N	7	20	15	N	N	N
422359	70	2,000	1.0	N	15	150	30	50	N	N
422360	100	2,000	1.0	N	20	150	50	50	N	N
422363	70	1,500	1.0	N	10	200	30	50	N	<20
422364	100	1,500	<1.0	N	15	150	20	50	N	20
422365	100	2,000	1.0	N	20	300	20	50	7	20
422366	100	2,000	1.0	N	20	300	30	50	N	30
422367	100	2,000	1.0	N	15	150	20	50	N	<20
422368	100	1,500	1.0	N	15	150	20	50	5	<20
422369	100	2,000	<1.0	N	15	200	15	50	N	<20
422370	50	1,500	1.0	N	15	100	50	30	7	N
422371	70	2,000	<1.0	N	15	200	50	70	7	<20
422372	50	1,500	1.0	N	15	100	20	N	10	N
422373	100	3,000	1.0	N	15	150	20	70	7	N
422374	70	1,500	1.0	N	15	100	30	50	<5	N
422375	70	1,500	1.0	N	15	100	20	50	<5	N
422376	20	300	1.0	N	N	10	15	N	N	N
422377	50	700	<1.0	N	7	70	20	N	10	N
422378	70	1,000	<1.0	N	10	100	20	50	<5	N
422379	70	1,000	<1.0	N	10	100	20	50	N	N
422380	50	1,000	N	N	10	100	50	N	<5	N
422381	50	1,000	1.0	N	10	100	20	50	N	N
422382	30	700	1.0	N	7	50	20	20	N	N
422383	50	1,500	<1.0	N	10	100	50	20	N	N
422384	70	1,000	<1.0	N	15	100	50	20	5	N
422385	30	700	1.0	N	10	70	20	<20	7	N
422387	50	1,000	<1.0	N	15	100	20	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422335	30	15	15	N	300	150	N	30	N	200	N
422336	30	20	20	N	300	200	N	70	N	1,000	N
422337	30	20	20	N	300	150	N	50	N	1,000	N
422338	30	20	20	N	300	150	N	50	N	300	N
422339	7	<10	N	N	N	20	N	10	N	20	N
422340	50	20	20	N	300	200	N	50	N	300	N
422342	50	15	20	N	200	150	N	30	N	300	N
422344	30	30	20	N	200	200	N	50	N	700	N
422345	20	20	15	N	<100	150	N	30	N	100	N
422346	30	20	20	N	300	300	N	70	N	1,000	N
422347	100	20	20	30	150	300	N	30	N	200	N
422348	30	30	20	N	200	300	N	50	N	300	N
422352	50	20	20	<10	200	200	N	50	N	300	N
422353	50	30	20	N	200	200	N	50	N	200	N
422354	50	30	20	N	300	200	N	50	N	200	N
422355	50	30	20	N	200	150	N	30	N	150	N
422356	30	20	15	N	300	150	N	30	N	300	N
422357	50	20	20	10	200	150	N	30	<200	200	N
422358	20	<10	5	N	100	50	N	20	N	50	N
422359	30	20	20	<10	200	150	N	50	<200	300	N
422360	50	20	20	15	200	150	N	50	<200	200	N
422363	20	20	20	N	200	200	N	30	N	500	N
422364	50	20	15	15	200	150	N	30	N	500	N
422365	70	20	20	50	200	200	N	30	N	300	N
422366	50	20	20	N	200	200	N	30	N	300	N
422367	50	20	20	N	300	200	N	50	N	300	N
422368	50	30	15	20	200	150	N	30	N	200	N
422369	50	20	20	N	300	200	N	50	300	300	N
422370	50	30	15	<10	200	200	N	30	<200	200	N
422371	50	30	15	50	300	200	N	50	N	500	N
422372	50	15	15	<10	200	150	N	30	N	200	N
422373	50	30	15	20	150	200	N	30	200	200	N
422374	50	20	15	50	200	150	N	50	N	300	N
422375	30	20	15	N	300	150	N	30	N	200	N
422376	10	10	5	N	<100	70	N	<10	N	100	N
422377	50	20	10	20	150	100	N	20	N	150	N
422378	30	15	15	<10	300	100	N	50	N	500	N
422379	30	20	15	N	200	150	N	30	N	200	N
422380	50	30	10	10	100	150	N	20	N	300	N
422381	30	20	15	<10	300	150	N	30	N	200	N
422382	20	10	10	N	150	100	N	20	N	150	N
422383	30	15	10	N	200	150	N	20	200	200	N
422384	50	20	10	N	200	100	N	20	N	200	N
422385	30	15	10	10	200	100	N	20	N	100	N
422387	30	20	15	<10	200	100	N	30	N	200	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422388	65 59 56	147 30 16	10.00	2.00	2.0	.700	700	<.5	N
422389	65 59 14	147 27 47	5.00	1.00	.7	.500	500	N	N
422390	65 56 54	147 24 21	5.00	1.00	1.5	.500	70	N	N
422391	65 57 23	147 23 17	7.00	1.00	1.0	.700	1,000	N	N
422392	65 59 44	147 20 25	5.00	1.50	2.0	.500	700	N	N
422393	65 59 13	147 17 51	5.00	1.50	1.5	.500	500	N	N
422395	65 59 40	147 15 33	5.00	1.50	2.0	.500	500	N	N
422396	65 58 40	147 14 22	5.00	1.50	1.0	.300	500	N	N
422397	65 58 36	147 10 8	5.00	1.50	1.5	.500	1,000	N	N
422398	65 58 58	147 3 7	3.00	1.50	2.0	.700	500	N	N
422399	65 34 56	148 41 43	5.00	1.50	3.0	.500	500	N	N
422400	65 35 35	148 44 2	3.00	1.50	3.0	.500	700	N	N
422401	65 35 24	148 49 0	5.00	1.50	3.0	.500	700	N	N
422402	65 35 8	148 51 3	5.00	1.50	1.5	.500	500	N	N
422403	65 37 37	148 56 9	7.00	1.50	.5	.500	500	<.5	N
422404	65 39 29	148 58 14	2.00	1.50	1.5	.700	500	N	N
422405	65 40 45	148 58 46	10.00	1.50	1.0	.500	500	N	N
422407	65 41 18	148 58 22	2.00	1.50	1.5	.500	500	N	N
422408	65 41 30	148 56 36	5.00	1.50	2.0	.300	700	N	N
422409	65 41 23	148 54 11	5.00	1.50	1.0	.500	300	N	N
422410	65 41 35	148 48 42	5.00	1.50	1.5	.500	500	N	N
422411	65 41 41	148 46 50	5.00	1.50	1.0	.500	500	N	N
422412	65 42 38	148 43 31	5.00	1.50	1.0	.300	300	N	N
422413	65 42 56	148 41 36	5.00	1.50	3.0	.500	700	N	N
422414	65 42 56	148 40 30	5.00	2.00	2.0	.700	500	N	N
422415	65 44 56	148 37 5	3.00	1.50	1.5	.700	300	N	N
422416	65 45 2	148 37 47	5.00	1.50	2.0	.500	500	N	N
422417	65 40 14	149 3 56	5.00	2.00	5.0	.500	700	N	N
422418	65 40 4	149 5 18	3.00	1.50	1.5	.500	500	N	N
422419	65 40 33	149 10 10	2.00	1.50	2.0	.300	700	N	N
422420	65 42 35	149 3 29	2.00	1.00	2.0	.300	500	N	N
422421	65 43 27	149 1 32	3.00	1.50	2.0	.700	500	N	N
422422	65 43 37	148 57 52	3.00	2.00	3.0	.700	1,000	N	N
422423	65 43 54	148 55 15	5.00	1.50	3.0	.700	1,000	N	N
422424	65 43 19	148 54 1	5.00	1.50	2.0	.700	700	N	N
422425	65 46 1	148 44 44	5.00	1.50	3.0	.700	500	<.5	N
422426	65 46 41	148 42 46	3.00	1.50	3.0	.700	500	N	N
422428	65 47 44	148 41 47	3.00	1.50	2.0	.700	500	N	N
422429	65 48 24	148 41 53	3.00	2.00	5.0	.500	700	N	N
422430	65 48 57	149 21 46	5.00	2.00	5.0	.700	1,000	N	N
422431	65 52 50	149 6 51	2.00	1.00	2.0	.700	500	N	N
422432	65 56 12	149 7 6	5.00	1.50	3.0	.700	700	N	N
422433	65 55 46	149 1 56	7.00	2.00	5.0	.500	1,000	N	N
422434	65 56 29	148 58 24	3.00	1.50	3.0	.700	500	N	N
422435	65 56 18	148 56 48	2.00	1.50	3.0	.700	500	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422388	100	1,000	<1.0	N	20	200	20	70	N	<20
422389	100	1,000	1.0	N	15	100	10	70	N	N
422390	50	1,000	<1.0	N	15	100	15	50	<5	N
422391	50	1,000	1.0	N	20	150	30	50	N	N
422392	50	1,500	<1.0	N	10	70	20	50	N	N
422393	50	1,000	<1.0	N	15	100	20	50	N	N
422395	70	1,500	1.0	N	15	100	20	70	N	N
422396	50	1,000	<1.0	N	10	50	20	30	N	N
422397	50	1,500	<1.0	N	15	70	15	50	N	N
422398	70	1,000	1.0	N	15	150	15	50	<5	<20
422399	70	1,000	1.0	N	15	150	20	30	<5	<20
422400	50	1,000	1.0	N	15	100	20	50	N	N
422401	70	1,000	1.0	N	15	150	20	50	N	N
422402	70	1,000	1.0	N	20	150	20	50	<5	<20
422403	70	1,000	<1.0	N	20	200	70	N	<5	N
422404	70	1,500	1.0	N	15	100	30	50	N	<20
422405	50	1,500	<1.0	N	10	100	30	50	N	N
422407	70	1,500	<1.0	N	15	150	30	50	<5	<20
422408	70	1,500	1.0	N	10	70	20	20	N	N
422409	70	1,000	1.0	N	15	150	20	30	N	N
422410	100	1,500	1.0	N	15	100	30	50	N	<20
422411	70	1,000	1.0	N	15	150	30	N	N	N
422412	70	1,500	1.0	N	15	150	20	30	N	N
422413	100	1,500	1.0	N	10	100	20	30	N	N
422414	100	1,500	1.0	N	15	100	30	50	N	<20
422415	100	1,500	<1.0	N	7	150	20	30	N	N
422416	70	1,500	1.0	N	15	70	30	50	N	N
422417	70	1,000	<1.0	N	15	150	20	30	N	N
422418	70	1,000	1.0	N	10	100	20	50	<5	<20
422419	70	700	1.0	N	10	70	20	N	N	N
422420	20	1,000	1.0	N	7	50	20	N	N	N
422421	70	1,000	1.0	N	10	100	20	N	N	N
422422	70	1,500	1.0	N	15	100	15	30	N	N
422423	70	1,000	1.0	N	15	150	30	30	<5	N
422424	70	1,500	1.0	N	15	150	30	50	N	<20
422425	70	1,000	1.0	N	15	100	30	50	N	N
422426	70	1,000	<1.0	N	15	100	20	30	N	N
422428	70	1,500	1.0	N	10	70	30	30	N	N
422429	50	1,000	<1.0	N	15	100	10	N	N	N
422430	70	1,500	1.0	N	15	150	30	30	N	N
422431	70	1,000	1.5	N	7	100	20	50	<5	N
422432	70	1,500	1.0	N	15	100	20	30	N	N
422433	100	1,500	1.0	N	20	100	50	50	N	N
422434	70	1,000	<1.0	N	15	100	15	50	N	<20
422435	70	1,500	1.0	N	15	70	20	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422388	70	50	15	N	300	200	N	50	300	500	N
422389	30	<10	10	N	150	70	N	30	N	300	N
422390	20	15	15	<10	200	150	N	50	N	500	N
422391	50	20	20	20	200	150	N	50	N	200	N
422392	20	20	20	10	200	100	N	30	N	200	N
422393	30	20	15	<10	200	100	N	30	N	150	N
422395	30	15	15	15	200	100	N	30	N	200	N
422396	20	10	10	N	100	150	N	20	N	200	N
422397	20	15	15	N	200	100	N	30	N	150	N
422398	30	15	15	N	200	100	N	50	N	500	N
422399	50	20	15	10	200	100	N	30	N	200	N
422400	30	15	15	N	200	100	N	30	N	150	N
422401	30	15	15	N	300	100	N	30	N	200	N
422402	50	20	15	N	200	100	N	50	N	200	N
422403	70	20	20	N	<100	150	N	20	200	150	N
422404	30	20	20	N	200	150	N	20	N	200	N
422405	20	15	10	N	200	100	N	15	N	100	N
422407	30	20	15	N	200	100	N	30	N	200	N
422408	30	10	10	N	200	70	N	30	N	150	N
422409	50	20	10	<10	150	100	N	30	N	200	N
422410	50	20	15	N	150	150	N	50	N	200	N
422411	50	20	15	N	150	100	N	30	<200	150	N
422412	50	20	15	N	150	100	N	30	N	100	N
422413	50	20	15	N	200	100	N	30	N	150	N
422414	50	20	15	N	200	150	N	50	N	200	N
422415	50	20	20	15	200	100	N	30	N	200	N
422416	30	20	20	N	200	100	N	30	N	200	N
422417	30	15	15	N	300	100	N	30	N	150	N
422418	30	15	15	N	200	100	N	30	N	200	N
422419	30	10	7	N	200	100	N	15	N	150	N
422420	20	<10	5	N	N	100	N	10	N	150	N
422421	30	15	15	N	200	100	N	50	N	300	N
422422	30	20	15	N	300	100	N	30	N	300	N
422423	50	15	15	N	200	150	N	50	N	300	N
422424	50	20	20	20	200	150	N	50	N	500	N
422425	50	15	15	N	200	100	N	30	N	200	N
422426	30	15	15	N	200	100	N	30	N	200	N
422428	30	20	15	N	300	150	N	30	N	200	N
422429	30	15	15	N	300	100	N	30	N	200	N
422430	50	20	15	N	200	150	N	30	N	300	N
422431	30	20	15	N	200	100	N	30	N	200	N
422432	30	20	15	N	300	150	N	30	N	200	N
422433	50	30	20	N	200	150	N	50	N	150	N
422434	30	15	15	N	200	100	N	30	N	500	N
422435	50	15	20	N	300	100	N	30	N	150	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENSODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422436	65 55 20	148 54 56	3.00	2.00	5.0	.700	700	N	N
422437	65 55 6	148 53 25	5.00	2.00	2.0	.700	500	N	N
422438	65 56 11	148 46 27	2.00	1.50	1.5	.500	300	N	N
422439	65 59 57	148 43 24	.20	.10	2.0	.015	70	<.5	N
422440	65 58 28	148 53 12	3.00	1.50	1.5	.500	300	N	N
422441	65 59 40	148 52 54	7.00	2.00	3.0	.700	1,000	<.5	N
422442	65 59 30	148 55 27	10.00	3.00	2.0	.700	1,000	<.5	N
422443	65 57 19	148 57 12	3.00	1.50	2.0	.700	500	N	N
422444	65 57 51	149 4 17	7.00	1.50	1.5	.500	700	<.5	N
422445	65 59 49	149 7 27	7.00	3.00	3.0	.700	1,000	N	N
422446	65 58 45	149 10 6	7.00	2.00	2.0	.500	700	N	N
422447	65 59 42	149 10 57	7.00	1.50	1.0	.700	500	<.5	N
422448	65 56 26	149 10 59	5.00	2.00	3.0	.500	1,000	N	N
422449	65 56 38	149 17 22	7.00	2.00	3.0	.700	1,000	<.5	N
422450	65 57 42	149 18 47	7.00	3.00	3.0	.700	1,000	<.5	N
422451	65 52 51	149 49 55	3.00	1.50	1.5	.500	500	N	N
422452	65 54 19	149 47 56	1.50	1.00	2.0	.300	200	<.5	N
422453	65 55 59	149 54 9	5.00	1.50	2.0	.500	500	N	N
422454	65 54 33	149 58 45	3.00	1.50	1.5	.500	500	N	N
422455	65 53 31	149 59 17	2.00	1.50	2.0	.500	300	N	N
422457	65 53 30	149 51 33	5.00	1.50	1.5	.500	300	N	N
422458	65 50 17	149 43 36	5.00	2.00	3.0	.500	1,000	N	N
422459	65 41 44	149 39 24	5.00	2.00	3.0	.500	1,000	N	N
422460	65 39 15	149 43 15	3.00	1.50	3.0	.500	500	N	N
422462	65 43 4	149 32 3	3.00	1.50	1.0	.500	500	<.5	N
422463	65 43 45	149 28 27	5.00	1.50	1.0	.500	500	<.5	N
422464	65 42 55	149 22 17	5.00	1.50	2.0	.500	700	<.5	N
422465	65 40 46	149 22 1	5.00	1.50	2.0	.500	500	N	N
422466	65 41 8	149 27 33	5.00	1.50	1.5	.500	1,000	N	N
422467	65 39 7	149 31 26	5.00	1.50	1.5	.500	500	N	N
422469	65 38 30	149 37 12	5.00	1.50	1.5	.500	500	N	N
422470	65 37 36	149 38 30	3.00	1.50	2.0	.500	300	N	N
422471	65 35 20	149 32 45	3.00	1.50	3.0	.500	500	N	N
422472	65 35 47	149 29 58	3.00	1.50	2.0	.500	300	N	N
422473	65 34 56	149 20 36	2.00	1.50	2.0	.500	300	N	N
422475	65 34 45	149 8 58	3.00	1.50	2.0	.500	300	N	N
422476	65 35 3	149 5 27	3.00	1.50	3.0	.500	500	N	N
422478	65 31 15	148 55 59	7.00	1.50	1.0	.500	1,000	<.5	N
422479	65 52 59	149 13 20	3.00	1.50	1.5	.500	500	N	N
422480	65 53 35	149 13 18	3.00	1.50	5.0	.300	700	N	N
422481	65 51 3	149 50 49	5.00	1.00	2.0	.300	700	N	N
422482	65 36 51	149 52 32	2.00	1.00	1.0	.300	500	N	N
422483	65 43 24	149 48 52	2.00	1.00	1.0	.200	500	N	N
422484	65 43 54	149 45 39	.10	.05	.5	.020	200	N	N
422485	65 45 8	149 46 22	1.50	.70	.7	.200	700	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422436	70	1,500	<1.0	N	15	100	30	50	N	N
422437	100	1,500	<1.0	N	20	100	50	50	7	N
422438	70	1,000	1.0	N	10	100	30	N	<5	N
422439	<10	100	<1.0	N	N	<10	5	20	N	N
422440	50	1,000	1.0	N	15	70	50	30	<5	N
422441	100	1,500	1.0	N	20	150	50	50	N	<20
422442	100	1,500	<1.0	N	20	200	100	N	<5	<20
422443	70	1,500	<1.0	N	10	150	20	50	N	<20
422444	100	1,500	1.5	N	15	100	50	50	<5	<20
422445	70	1,000	<1.0	N	20	150	50	50	<5	N
422446	70	1,000	1.0	N	20	150	50	30	N	<20
422447	150	1,500	1.5	N	15	150	50	50	N	<20
422448	70	1,000	1.0	N	15	100	30	50	<5	<20
422449	100	1,500	<1.0	N	20	150	50	50	<5	N
422450	100	1,000	1.0	N	20	200	50	50	N	<20
422451	70	1,000	1.5	N	10	70	20	N	N	N
422452	50	700	1.0	N	7	50	30	N	<5	N
422453	70	1,000	1.0	N	15	150	30	30	N	N
422454	100	1,000	1.5	N	15	70	30	50	N	<20
422455	70	1,000	1.0	N	10	70	30	50	<5	N
422457	100	1,000	1.0	N	10	150	50	50	<5	N
422458	50	1,000	<1.0	N	15	150	30	30	N	N
422459	50	1,000	1.0	N	15	100	30	50	N	<20
422460	70	1,000	1.0	N	15	150	15	30	N	N
422462	70	1,000	1.0	<10	15	100	20	50	<5	N
422463	100	1,000	1.0	N	15	150	30	50	N	N
422464	70	1,000	1.0	N	15	100	20	30	N	N
422465	70	1,000	1.0	N	15	100	20	30	N	<20
422466	70	1,000	<1.0	N	15	200	15	20	N	N
422467	70	1,000	1.0	N	15	100	20	50	N	<20
422469	100	1,000	1.0	N	15	100	20	50	N	<20
422470	70	1,000	1.0	N	15	70	15	50	N	<20
422471	70	1,000	1.5	N	10	70	20	30	N	N
422472	70	1,000	1.0	N	10	100	20	50	N	N
422473	70	1,000	1.0	N	7	70	15	50	N	<20
422475	70	1,000	1.0	N	15	70	20	50	<5	N
422476	70	1,500	<1.0	N	15	100	20	50	N	<20
422478	100	1,500	1.0	N	20	150	30	50	<5	<20
422479	70	1,000	1.0	N	15	100	20	30	<5	N
422480	50	1,000	1.0	N	15	70	20	N	<5	N
422481	70	1,000	1.0	N	15	70	20	30	5	N
422482	70	1,000	<1.0	N	15	70	20	50	N	N
422483	70	1,000	<1.0	N	10	70	20	50	N	N
422484	<10	150	<1.0	N	<5	<10	7	N	N	N
422485	50	1,000	<1.0	N	5	20	20	N	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422436	50	20	15	N	300	150	N	50	N	200	N
422437	70	30	20	N	200	150	N	50	N	150	N
422438	50	15	20	N	200	100	N	30	<200	150	N
422439	N	N	N	N	N	15	N	N	N	10	N
422440	50	15	10	20	150	150	N	20	N	150	N
422441	50	30	15	N	200	200	N	30	N	150	N
422442	50	50	20	N	<100	300	N	30	N	150	N
422443	20	20	15	N	200	150	N	30	N	200	N
422444	50	30	20	N	150	200	N	30	N	150	N
422445	50	20	15	N	300	150	N	30	N	150	N
422446	50	30	15	10	200	200	N	30	N	200	N
422447	50	30	20	<10	200	200	N	30	<200	200	N
422448	50	20	15	N	300	200	N	30	N	200	N
422449	50	30	20	N	300	200	N	30	N	150	N
422450	50	30	20	N	200	200	N	30	N	200	N
422451	30	20	20	N	200	150	N	30	N	150	N
422452	30	10	10	20	100	100	N	20	N	150	N
422453	30	15	15	N	200	200	N	30	N	300	N
422454	30	30	15	N	200	150	N	30	N	300	N
422455	30	15	15	N	150	150	N	20	N	150	N
422457	50	50	15	20	150	150	N	20	N	200	N
422458	30	15	10	N	500	150	N	20	N	300	N
422459	30	15	10	N	300	150	N	20	N	300	N
422460	30	15	15	N	200	100	N	30	N	150	N
422462	50	20	15	15	200	100	N	30	<200	150	N
422463	50	20	N	N	150	100	N	20	N	150	N
422464	50	20	15	N	200	100	N	20	N	150	N
422465	50	20	20	N	200	150	N	30	N	200	N
422466	50	15	15	N	200	100	N	20	N	150	N
422467	50	20	15	N	200	150	N	30	N	200	N
422469	50	20	15	N	200	150	N	30	N	200	N
422470	50	15	15	N	200	100	N	30	N	200	N
422471	30	15	15	N	200	100	N	20	N	150	N
422472	30	15	15	N	200	100	N	30	N	200	N
422473	30	15	15	N	200	100	N	30	N	300	N
422475	30	20	15	N	200	100	N	30	N	200	N
422476	30	15	15	N	300	150	N	30	N	200	N
422478	50	30	20	N	200	150	N	30	N	200	N
422479	30	20	15	N	200	150	N	30	N	200	N
422480	50	15	15	<10	200	100	N	20	N	100	N
422481	50	15	10	N	200	100	N	20	N	150	N
422482	30	20	20	10	300	100	N	30	N	200	N
422483	30	20	15	N	200	100	N	30	N	150	N
422484	5	10	<5	N	<100	15	N	N	N	20	N
422485	20	15	10	N	150	100	N	20	N	100	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422486	65 45 39	149 55 59	1.50	1.00	1.0	.300	300	N	N
422487	65 45 26	149 53 35	3.00	1.00	1.5	.500	500	<.5	N
422488	65 21 20	149 58 29	2.00	.70	1.0	.500	300	N	N
422489	65 20 18	149 58 55	3.00	1.50	2.0	.500	500	N	N
422490	65 11 34	149 55 59	.50	.15	1.5	.050	200	N	N
422491	65 12 20	149 57 3	2.00	1.50	2.0	.500	500	<.5	N
422492	65 13 19	149 56 17	2.00	1.00	1.0	.500	500	N	N
422493	65 13 42	149 59 20	1.00	.70	.5	.200	200	N	N
422494	65 14 26	149 58 50	2.00	1.00	.7	.500	300	<.5	N
422495	65 15 25	149 55 17	2.00	1.00	.7	.200	200	<.5	N
422496	65 17 13	149 54 33	2.00	1.00	1.5	.300	500	N	N
422497	65 16 39	149 53 11	3.00	1.50	3.0	.200	500	N	N
422498	65 17 49	149 53 44	3.00	1.50	2.0	.300	500	N	N
422499	65 18 5	149 49 8	3.00	1.50	2.0	.300	500	N	N
422500	65 18 47	149 51 12	2.00	1.00	2.0	.300	500	N	N
422501	65 21 30	149 46 59	3.00	1.50	2.0	.500	500	N	N
422502	65 20 59	149 45 44	3.00	1.00	1.0	.500	500	<.5	N
422503	65 21 21	149 43 36	2.00	.50	.7	.200	200	N	N
422504	65 22 49	149 41 27	2.00	1.00	1.0	.500	200	N	N
422505	65 24 51	149 42 57	3.00	.70	.7	.700	300	1.0	N
422506	65 24 56	149 40 8	2.00	.50	.3	.300	1,000	2.0	N
422507	65 26 51	149 40 0	2.00	.70	.2	.500	200	N	N
422508	65 29 26	149 39 55	3.00	1.00	1.0	.700	500	N	N
422509	65 29 43	149 35 29	3.00	1.00	1.0	.700	1,000	N	N
422510	65 29 44	149 29 8	5.00	1.00	1.5	.500	300	<.5	N
422511	65 23 31	149 19 45	5.00	1.50	1.5	.700	300	<.5	N
422512	65 22 45	149 22 15	7.00	1.50	1.0	.500	300	.5	N
422513	65 22 4	149 24 52	7.00	1.50	1.5	.500	700	<.5	N
422514	65 20 44	149 29 43	5.00	1.50	.5	.500	700	.5	N
422515	65 20 11	149 32 44	7.00	2.00	1.0	.500	500	<.5	N
422516	65 18 38	149 34 41	5.00	1.00	.7	.500	500	.5	N
422517	65 16 59	149 38 53	7.00	1.50	1.0	.500	500	<.5	N
422518	65 11 47	149 42 33	7.00	1.50	.7	.500	1,500	<.5	N
422519	65 8 29	149 52 31	10.00	1.50	1.0	.500	500	.5	N
422520	65 7 38	149 55 2	7.00	1.00	1.0	.500	500	<.5	N
422521	65 6 39	149 44 16	7.00	1.50	1.0	.700	700	2.0	N
422522	65 31 46	149 2 56	2.00	1.00	1.0	.300	500	<.5	N
422523	65 32 5	149 8 56	2.00	1.00	1.0	.500	500	N	N
422524	65 32 40	149 20 50	1.50	1.00	.7	.500	300	<.5	N
422525	65 32 16	149 27 6	5.00	2.00	1.0	.500	700	<.5	N
422526	65 32 17	149 34 14	2.00	1.00	1.0	.500	500	<.5	N
422527	65 31 50	149 57 18	3.00	1.00	1.0	.500	500	N	N
422528	65 34 33	149 58 54	2.00	1.00	.7	.500	500	N	N
422529	65 37 3	149 59 17	3.00	1.00	1.0	.500	300	<.5	N
422530	65 39 12	149 59 22	2.00	1.00	1.0	.500	300	<.5	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422486	70	1,000	<1.0	N	10	70	20	30	N	N
422487	70	1,500	<1.0	N	15	100	20	50	N	N
422488	50	700	<1.0	N	7	50	15	20	N	N
422489	100	1,000	<1.0	N	15	70	20	30	N	N
422490	10	300	<1.0	N	<5	<10	7	<20	N	N
422491	50	1,000	<1.0	N	15	100	20	50	N	N
422492	70	700	<1.0	N	10	100	20	N	N	N
422493	70	1,000	<1.0	N	5	50	15	N	N	N
422494	100	1,500	<1.0	N	10	50	20	50	N	N
422495	70	1,000	<1.0	N	10	70	20	30	<5	N
422496	70	1,500	<1.0	N	10	50	20	50	N	N
422497	70	1,500	<1.0	N	10	200	20	50	N	N
422498	70	1,500	<1.0	N	10	70	15	30	N	N
422499	70	1,500	<1.0	N	10	50	20	50	N	N
422500	50	1,000	<1.0	N	7	70	15	20	N	N
422501	70	1,500	<1.0	N	10	150	20	50	N	N
422502	70	1,500	<1.0	N	15	100	20	30	N	N
422503	30	500	<1.0	N	5	50	10	N	N	N
422504	70	1,000	<1.0	N	10	100	20	30	5	N
422505	100	1,000	<1.0	N	20	70	20	30	<5	N
422506	100	1,000	<1.0	N	15	50	20	20	N	N
422507	50	1,000	N	N	10	50	15	50	N	N
422508	70	1,500	<1.0	N	15	150	15	50	N	<20
422509	70	1,500	<1.0	N	20	200	30	70	<5	<20
422510	70	1,500	<1.0	N	20	200	30	50	<5	N
422511	100	1,500	N	N	20	200	50	30	<5	N
422512	100	2,000	<1.0	N	20	200	50	70	N	N
422513	70	1,500	<1.0	N	20	200	50	50	<5	N
422514	70	1,500	<1.0	N	15	200	30	50	<5	N
422515	70	1,500	<1.0	N	20	200	50	50	N	N
422516	70	2,000	<1.0	N	15	100	50	100	<5	N
422517	70	2,000	<1.0	N	20	300	30	100	5	N
422518	200	2,000	<1.0	N	20	100	50	30	10	<20
422519	150	3,000	<1.0	N	20	300	50	100	5	<20
422520	100	2,000	<1.0	N	20	150	20	50	<5	<20
422521	150	3,000	<1.0	N	20	300	100	50	15	<20
422522	70	1,000	<1.0	N	15	100	20	50	N	N
422523	100	1,000	<1.0	N	20	150	20	70	N	N
422524	100	1,000	<1.0	N	10	50	15	30	N	N
422525	100	1,500	<1.0	N	20	100	30	50	<5	<20
422526	50	1,000	<1.0	N	10	70	20	30	N	N
422527	100	1,000	<1.0	N	20	100	20	50	N	N
422528	70	1,000	<1.0	N	15	100	15	30	10	N
422529	100	1,500	<1.0	N	15	100	20	30	N	N
422530	70	1,500	<1.0	N	10	70	20	30	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422486	30	15	15	N	200	100	N	20	N	200	N
422487	50	20	15	N	300	100	N	30	N	200	N
422488	15	10	10	N	200	100	N	20	N	200	N
422489	30	30	15	N	200	100	N	50	N	150	N
422490	10	N	<5	N	<100	20	N	N	N	20	N
422491	30	30	20	N	200	100	N	30	N	150	N
422492	30	20	15	N	200	100	N	20	N	200	N
422493	20	20	10	N	150	100	N	15	N	150	N
422494	30	50	15	<10	200	100	N	30	N	150	N
422495	30	30	15	10	150	100	N	20	N	150	N
422496	30	20	15	N	300	100	N	20	N	200	N
422497	30	50	20	N	300	100	N	20	N	200	N
422498	30	20	20	N	200	100	N	20	N	200	N
422499	30	20	15	N	200	100	N	20	N	200	N
422500	20	15	15	N	200	100	N	20	N	200	N
422501	20	20	20	N	200	100	N	30	N	200	N
422502	30	20	20	N	200	100	N	30	N	200	N
422503	10	10	7	N	100	70	N	15	N	150	N
422504	20	30	20	N	200	100	N	20	N	150	N
422505	50	70	20	N	150	100	N	30	N	300	N
422506	50	100	15	N	100	100	N	20	<200	150	N
422507	50	10	10	N	100	70	N	20	N	200	N
422508	30	20	20	N	200	100	N	30	N	500	N
422509	50	70	20	N	200	100	N	50	N	500	N
422510	70	50	20	N	200	100	N	50	N	500	N
422511	100	30	20	N	200	100	N	50	N	300	N
422512	100	30	20	N	300	100	N	70	N	200	N
422513	100	20	15	N	300	100	N	50	N	200	N
422514	70	20	20	N	200	100	N	50	N	200	N
422515	100	30	20	N	200	100	N	50	N	200	N
422516	70	30	20	N	150	100	N	50	N	200	N
422517	100	20	20	N	200	100	<50	50	N	1,000	N
422518	70	70	20	N	200	100	N	50	N	200	N
422519	100	100	20	N	300	100	N	70	N	500	N
422520	50	20	20	N	200	100	N	50	N	500	N
422521	100	50	20	N	200	150	N	50	<200	300	N
422522	50	50	15	N	200	100	N	20	N	200	N
422523	30	30	20	N	300	100	N	50	N	300	N
422524	20	20	15	N	150	100	N	30	N	150	N
422525	50	70	20	N	200	100	N	30	N	150	N
422526	20	20	15	N	200	100	N	20	N	200	N
422527	30	30	20	N	200	100	N	30	N	200	N
422528	20	15	15	N	150	100	N	20	N	200	N
422529	30	30	20	N	200	100	N	30	N	200	N
422530	20	20	15	N	300	100	N	20	N	200	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422531	65 38 58	149 49 49	3.00	1.50	2.0	.500	500	N	N
422532	65 40 4	149 45 46	2.00	1.00	1.0	.500	500	<.5	N
422533	65 41 7	149 48 21	2.00	1.00	.7	.500	500	N	N
422534	65 40 27	149 54 25	2.00	1.00	1.0	.500	1,000	N	N
422535	65 37 22	149 50 21	5.00	1.50	1.5	.700	700	.5	N
422536	65 26 12	149 41 48	5.00	1.50	1.5	.500	1,000	.7	N
422537	65 30 15	149 22 33	3.00	1.00	1.0	.500	300	N	N
422538	65 29 45	149 20 44	2.00	.70	1.0	.500	300	<.5	N
422539	65 29 27	149 15 46	3.00	1.00	1.0	.500	300	N	N
422540	65 4 18	149 58 56	3.00	1.00	1.0	.500	700	N	N
422541	65 4 24	149 55 46	3.00	1.50	1.0	.500	300	N	N
422543	65 4 39	149 53 31	3.00	1.50	2.0	.500	500	<.5	N
422544	65 4 32	149 51 47	5.00	1.50	2.0	.300	500	<.5	N
422545	65 6 5	149 50 13	5.00	1.50	2.0	.500	500	<.5	N
422546	65 6 7	149 48 59	5.00	1.00	3.0	.500	500	N	N
422547	65 4 45	149 49 23	3.00	1.00	2.0	.500	500	N	N
422548	65 4 8	149 47 17	5.00	1.00	1.5	.500	500	<.5	N
422549	65 3 57	149 43 53	5.00	1.00	2.0	.500	500	<.5	N
422550	65 3 15	149 42 38	5.00	1.50	2.0	.500	500	<.5	N
422551	65 2 38	149 42 38	7.00	1.50	2.0	.500	500	N	N
422552	65 0 23	149 41 58	5.00	1.50	2.0	.500	1,000	N	N
422553	65 0 59	149 41 8	2.00	.50	.7	.070	200	N	N
422554	65 0 25	149 40 0	5.00	1.50	1.0	.500	200	2.0	N
422555	65 0 50	149 38 2	5.00	2.00	1.0	.500	500	<.5	N
422556	65 1 20	149 36 20	1.00	.70	.5	.150	200	N	N
422557	65 1 45	149 33 56	3.00	1.00	1.0	.500	300	<.5	N
422558	65 2 44	149 30 30	5.00	1.50	1.0	.500	500	<.5	N
422559	65 3 39	149 33 5	1.50	.70	.7	.150	200	N	N
422561	65 3 11	149 35 45	2.00	1.00	1.0	.200	300	N	N
422562	65 6 7	149 44 26	3.00	1.00	1.0	.300	500	N	N
422563	65 6 20	149 46 10	5.00	1.50	1.0	.500	500	<.5	N
422564	65 10 32	149 31 51	3.00	.70	.7	.200	200	N	N
422565	65 8 21	149 28 54	1.00	.70	.7	.150	200	N	N
422566	65 8 39	149 26 38	1.50	.70	.7	.200	200	N	N
422567	65 5 53	149 32 20	.20	.05	.2	.050	100	N	N
422568	65 5 17	149 29 44	1.50	.70	.3	.150	200	N	N
422569	65 5 17	149 25 26	1.50	1.00	.7	.200	200	N	N
422571	65 5 57	149 24 6	1.50	.70	.5	.150	150	N	N
422572	65 6 33	149 21 5	2.00	1.00	.5	.200	200	N	N
422573	65 8 43	149 19 41	1.50	1.00	.5	.150	200	N	N
422574	65 9 38	149 19 38	1.50	1.00	.5	.200	300	N	N
422575	65 10 49	149 19 46	2.00	.70	.5	.200	200	N	N
422576	65 11 15	149 22 59	1.50	.70	.5	.150	500	N	N
422577	65 11 52	149 11 8	1.50	.70	.5	.200	150	N	N
422578	65 11 29	149 13 51	1.50	.70	.5	.200	200	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422531	70	1,500	<1.0	N	15	100	20	30	N	N
422532	70	1,500	<1.0	N	15	100	20	30	N	N
422533	100	2,000	<1.0	N	15	150	20	50	<5	N
422534	100	2,000	<1.0	N	20	150	20	50	<5	N
422535	100	1,500	<1.0	N	20	100	20	70	N	<20
422536	70	2,000	<1.0	N	20	200	20	70	N	N
422537	70	1,500	<1.0	N	20	100	20	50	N	N
422538	70	1,000	<1.0	N	10	50	15	20	N	N
422539	70	1,000	<1.0	N	15	150	15	50	N	N
422540	70	1,000	<1.0	N	15	70	15	30	N	N
422541	70	1,500	<1.0	N	15	100	20	30	<5	N
422543	70	1,500	N	N	10	100	20	30	10	N
422544	70	1,500	<1.0	N	15	100	20	30	N	N
422545	100	1,500	<1.0	N	15	70	30	50	N	N
422546	100	1,500	<1.0	N	15	70	20	50	<5	N
422547	50	700	<1.0	N	10	100	20	30	N	N
422548	70	1,000	<1.0	N	15	100	20	30	N	N
422549	70	1,500	<1.0	N	15	100	20	50	N	N
422550	70	1,500	<1.0	N	15	100	15	50	N	N
422551	70	1,500	<1.0	N	15	100	50	30	N	N
422552	100	1,500	<1.0	N	20	100	20	50	N	N
422553	20	500	<1.0	N	N	20	15	N	N	N
422554	70	1,000	<1.0	N	15	100	30	50	N	N
422555	50	1,500	<1.0	N	20	100	30	50	N	N
422556	20	500	<1.0	N	N	30	15	N	N	N
422557	100	1,500	<1.0	N	10	100	20	50	5	N
422558	50	1,000	<1.0	N	15	50	30	30	5	N
422559	20	700	<1.0	N	<5	20	15	<20	N	N
422561	50	1,000	<1.0	N	10	30	15	20	5	N
422562	50	1,500	<1.0	N	10	100	20	50	N	N
422563	70	1,500	<1.0	N	15	200	30	30	<5	N
422564	30	500	<1.0	N	10	50	15	30	N	N
422565	20	300	<1.0	N	7	50	15	30	N	N
422566	20	500	<1.0	N	10	50	10	50	<5	N
422567	N	100	<1.0	N	N	10	5	N	N	N
422568	50	300	<1.0	N	10	50	15	30	N	N
422569	20	500	<1.0	N	10	50	20	20	N	N
422571	20	500	<1.0	N	10	50	15	30	N	N
422572	15	500	<1.0	N	10	50	20	20	N	N
422573	20	500	<1.0	N	15	50	20	30	N	N
422574	30	500	<1.0	N	15	30	15	30	N	N
422575	20	500	<1.0	N	10	30	20	<20	N	N
422576	20	500	<1.0	N	10	20	15	30	N	N
422577	30	500	<1.0	N	10	50	20	30	N	N
422578	50	500	<1.0	N	10	50	20	30	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422531	30	20	20	N	300	100	N	30	N	200	N
422532	30	20	20	N	200	100	N	30	N	300	N
422533	30	20	20	N	200	100	N	20	N	200	N
422534	30	20	20	N	200	100	N	30	N	500	N
422535	20	30	20	N	300	100	N	30	N	300	N
422536	20	50	20	N	300	100	N	20	N	200	N
422537	30	20	20	N	200	100	N	20	N	200	N
422538	30	15	15	N	150	100	N	20	N	200	N
422539	15	20	15	N	200	100	N	20	N	300	N
422540	30	20	15	N	200	100	N	20	N	500	N
422541	20	20	20	N	200	100	N	20	N	200	N
422543	30	20	10	N	200	100	N	20	N	100	N
422544	30	20	20	N	200	100	N	20	N	100	N
422545	30	50	20	N	200	100	N	50	N	150	N
422546	50	20	20	N	300	100	N	50	N	200	N
422547	20	15	15	N	200	100	N	30	N	100	N
422548	30	30	20	N	200	100	N	30	N	100	N
422549	30	15	20	N	200	100	N	30	N	150	N
422550	30	30	20	N	200	100	N	30	N	150	N
422551	50	30	20	N	200	100	N	30	N	200	N
422552	50	20	20	N	200	100	N	50	200	200	N
422553	10	10	7	N	N	50	N	10	N	50	N
422554	30	30	20	N	200	100	N	30	N	100	N
422555	30	30	20	N	200	100	N	30	N	150	N
422556	10	10	10	N	<100	70	N	10	N	70	N
422557	30	20	20	N	200	100	N	50	N	200	N
422558	50	30	20	N	200	100	N	30	N	100	N
422559	15	<10	10	N	100	70	N	15	N	100	N
422561	20	10	15	N	150	100	N	20	N	100	N
422562	20	15	20	N	200	100	N	20	N	150	N
422563	30	30	20	N	300	150	N	20	N	100	N
422564	30	10	10	N	200	100	N	15	N	100	N
422565	20	<10	7	N	200	50	N	15	N	70	N
422566	20	<10	10	N	200	70	N	20	N	150	N
422567	7	N	<5	N	N	20	N	N	N	20	N
422568	30	10	10	N	200	70	N	15	N	100	N
422569	20	10	7	N	200	100	N	10	N	150	N
422571	20	<10	10	N	150	70	N	15	N	70	N
422572	20	<10	10	N	150	70	N	15	N	100	N
422573	30	10	10	N	200	70	N	15	N	100	N
422574	20	10	10	N	100	70	N	20	N	100	N
422575	20	N	10	N	150	70	N	15	N	70	N
422576	20	<10	15	N	100	100	N	15	N	70	N
422577	20	<10	10	N	100	100	N	15	N	100	N
422578	20	10	10	N	100	100	N	20	N	100	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422579	65 10 55	149 16 55	1.00	.50	.5	.200	200	N	N
422580	65 10 18	149 14 8	1.00	.50	.5	.200	150	N	N
422581	65 9 51	149 13 45	1.00	.70	.5	.200	150	N	N
422582	65 38 15	149 56 26	1.00	.30	.5	.100	200	N	N
422583	65 46 14	149 52 24	1.50	1.00	.5	.200	150	N	N
422584	65 46 22	149 55 23	1.00	1.00	.5	.200	200	N	N
422585	65 18 59	149 12 8	5.00	1.50	2.0	.700	700	N	N
422586	65 19 59	149 17 17	5.00	1.50	3.0	.700	1,000	<.5	N
422587	65 14 29	148 50 53	5.00	1.50	3.0	.700	700	N	N
422588	65 14 4	149 1 0	7.00	2.00	3.0	1.000	700	N	N
422589	65 14 12	149 4 32	5.00	2.00	3.0	.700	1,000	N	N
422590	65 13 59	149 7 6	7.00	2.00	3.0	1.000	1,000	N	N
422591	65 0 42	148 6 20	5.00	1.50	1.5	.700	1,000	N	N
422592	65 2 35	148 15 24	7.00	2.00	3.0	1.000	1,000	N	N
422593	65 6 6	148 18 20	5.00	1.50	2.0	.500	500	N	N
422594	65 4 2	148 24 42	7.00	2.00	3.0	1.000	1,000	N	N
422596	65 3 56	148 28 27	10.00	3.00	3.0	1.000	1,500	N	N
422597	65 13 13	149 59 26	2.00	1.50	2.0	.500	500	N	N
422598	65 13 28	149 51 2	7.00	2.00	2.0	.700	700	N	N
422599	65 12 48	149 47 12	7.00	2.00	2.0	.700	1,000	N	N
422600	65 16 50	149 42 54	10.00	2.00	3.0	1.000	700	N	N
422601	65 18 32	149 42 30	7.00	2.00	2.0	.700	1,000	N	N
422602	65 19 32	149 39 37	7.00	2.00	2.0	1.000	700	N	N
422603	65 22 0	149 51 21	10.00	2.00	2.0	.700	1,000	N	N
422604	65 21 55	149 54 56	5.00	1.50	1.0	.500	700	N	N
422605	65 23 29	149 55 2	5.00	1.50	1.5	.500	700	N	N
422606	65 24 1	149 48 52	5.00	1.50	2.0	1.000	700	<.5	N
422607	65 28 1	149 50 30	5.00	2.00	3.0	1.000	700	N	N
422608	65 28 24	149 53 53	7.00	2.00	3.0	1.000	1,000	N	N
422609	65 28 9	149 58 45	5.00	1.50	2.0	.700	700	N	N
422610	65 28 24	149 59 0	7.00	1.50	2.0	1.000	700	N	N
422611	65 50 15	149 18 23	7.00	1.50	2.0	1.000	700	<.5	N
422612	65 49 27	149 11 54	3.00	1.50	1.0	.500	700	N	N
422613	65 49 24	149 1 21	7.00	1.50	2.0	1.000	1,000	N	N
422614	65 47 57	149 31 41	7.00	1.50	2.0	1.000	700	N	N
422615	65 45 42	149 45 17	7.00	1.50	3.0	1.000	1,000	N	N
422616	65 46 32	149 58 45	2.00	.70	1.5	.500	300	N	N
422617	65 8 57	149 13 58	7.00	2.00	3.0	1.000	1,000	N	N
422618	65 7 50	149 15 41	5.00	1.50	2.0	.700	500	N	N
422619	65 6 11	149 17 32	7.00	2.00	2.0	1.000	700	N	N
422620	65 6 7	149 13 41	10.00	2.00	2.0	1.000	700	N	N
422621	65 5 21	149 15 10	7.00	2.00	3.0	1.000	1,000	N	N
422622	65 4 53	149 19 17	7.00	2.00	2.0	1.000	1,000	N	N
422623	65 3 46	149 20 59	7.00	2.00	2.0	1.000	700	<.5	N
422624	65 3 15	149 23 3	7.00	2.00	3.0	1.000	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422579	30	500	<1.0	N	10	50	10	50	N	N
422580	30	500	<1.0	N	10	30	10	20	N	N
422581	30	500	<1.0	N	10	50	15	30	<5	N
422582	15	500	<1.0	N	10	20	20	20	N	N
422583	20	500	<1.0	N	10	50	15	30	N	N
422584	30	500	<1.0	N	15	50	20	20	N	N
422585	30	1,000	1.0	N	10	70	30	20	N	N
422586	50	1,000	1.0	N	20	100	50	20	<5	N
422587	50	1,500	1.0	N	15	100	50	30	N	N
422588	70	1,500	<1.0	N	30	200	70	50	N	N
422589	50	1,500	1.0	N	20	150	70	30	N	N
422590	50	1,500	1.0	N	15	150	50	50	N	N
422591	70	1,000	1.0	N	15	100	20	30	N	N
422592	70	1,500	<1.0	N	20	200	50	50	N	<20
422593	50	1,000	1.0	N	15	150	50	30	<5	N
422594	70	2,000	1.0	N	15	200	50	50	N	N
422596	70	2,000	1.0	N	30	200	70	50	N	<20
422597	30	700	1.0	N	7	50	15	N	N	N
422598	70	1,500	1.0	N	15	150	50	30	N	N
422599	70	1,500	1.0	N	15	150	70	30	N	N
422600	70	2,000	1.0	N	15	200	70	70	N	<20
422601	50	2,000	1.0	N	20	150	70	50	<5	<20
422602	50	1,500	1.0	N	20	150	70	50	N	<20
422603	70	1,500	1.0	N	20	200	70	30	N	N
422604	30	1,000	1.0	N	10	100	50	N	N	N
422605	50	1,000	1.0	N	10	100	30	N	N	N
422606	70	1,500	1.0	N	20	150	70	50	<5	<20
422607	70	1,500	1.0	N	20	100	50	50	N	<20
422608	70	2,000	1.0	N	20	200	70	50	N	<20
422609	50	1,500	1.5	N	15	100	50	30	N	N
422610	70	1,500	1.0	N	30	150	50	30	N	N
422611	70	2,000	1.0	N	20	150	50	50	N	<20
422612	50	1,000	1.5	N	10	50	30	N	N	N
422613	100	2,000	1.0	N	15	150	50	50	N	<20
422614	100	2,000	1.0	N	15	150	20	30	N	<20
422615	70	2,000	<1.0	N	20	100	50	50	N	<20
422616	20	700	1.0	N	5	30	10	N	N	N
422617	100	2,000	<1.0	N	15	200	30	30	N	<20
422618	70	1,500	<1.0	N	10	200	30	30	N	N
422619	70	2,000	<1.0	N	15	200	50	50	N	<20
422620	100	2,000	<1.0	N	20	200	70	50	N	<20
422621	100	2,000	<1.0	N	20	200	70	50	N	<20
422622	100	2,000	1.0	N	20	150	50	50	N	<20
422623	100	2,000	<1.0	N	30	200	70	50	N	N
422624	70	2,000	<1.0	N	20	200	70	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422579	20	N	10	N	100	100	N	20	N	100	N
422580	20	<10	10	N	100	70	N	15	N	100	N
422581	20	<10	10	N	100	70	N	20	N	150	N
422582	20	N	5	N	<100	50	N	10	N	50	N
422583	20	10	10	N	150	70	N	15	N	100	N
422584	20	<10	10	N	100	100	N	15	N	70	N
422585	50	20	10	N	200	150	N	30	N	150	N
422586	50	20	15	N	200	150	N	30	N	150	N
422587	50	20	15	N	200	150	N	30	N	150	N
422588	50	20	20	N	200	200	N	50	N	200	N
422589	50	20	20	N	200	150	N	30	N	150	N
422590	50	30	15	N	300	200	N	50	N	300	N
422591	30	15	15	N	200	150	N	30	N	200	N
422592	30	30	20	N	300	200	N	50	N	300	N
422593	70	20	15	N	200	150	N	30	N	150	N
422594	30	30	20	N	300	200	N	30	<200	300	N
422596	70	50	30	N	300	200	N	50	N	150	N
422597	20	15	10	N	150	150	N	20	N	150	N
422598	30	20	20	N	300	150	N	30	N	150	N
422599	50	50	20	N	200	200	N	50	N	200	N
422600	50	30	30	N	300	200	N	50	N	300	N
422601	50	30	20	N	200	200	N	30	N	200	N
422602	50	30	20	N	300	200	N	30	N	200	N
422603	50	30	20	N	300	150	N	30	N	150	N
422604	50	20	15	N	100	150	N	20	N	150	N
422605	30	15	15	N	200	150	N	20	N	150	N
422606	50	20	15	N	200	150	N	30	200	200	N
422607	50	30	20	N	200	150	N	30	N	200	N
422608	50	50	30	N	300	200	N	50	N	200	N
422609	50	20	15	N	200	150	N	30	N	150	N
422610	70	30	20	N	200	200	N	30	N	200	N
422611	70	30	20	N	200	200	N	50	N	200	N
422612	50	20	10	N	100	150	N	20	N	100	N
422613	50	30	30	N	200	200	N	50	N	300	N
422614	30	30	20	N	200	200	N	30	N	300	N
422615	30	30	20	N	200	200	N	50	N	300	N
422616	20	10	10	N	100	100	N	20	N	100	N
422617	50	20	20	N	300	200	N	50	N	500	N
422618	30	20	20	N	200	200	N	30	N	300	N
422619	50	30	20	N	300	300	N	50	<200	500	N
422620	50	50	30	N	300	200	N	50	N	300	N
422621	50	30	30	N	300	200	N	50	N	500	N
422622	50	20	30	N	200	200	N	50	N	300	N
422623	50	30	20	N	300	200	N	50	N	200	N
422624	50	20	20	N	300	200	N	50	N	200	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422625	65 3 2	149 24 51	7.00	2.00	3.0	1.000	2,000	N	N
422626	65 2 44	149 26 20	7.00	2.00	5.0	1.000	1,000	N	N
422627	65 0 46	149 26 12	7.00	2.00	5.0	1.000	2,000	N	N
422628	65 0 36	149 23 2	7.00	1.50	3.0	1.000	2,000	N	N
422629	65 0 26	149 21 38	7.00	2.00	5.0	.700	2,000	N	N
422630	65 1 27	149 20 48	7.00	1.50	2.0	.700	1,000	<.5	N
422631	65 1 22	149 17 18	5.00	1.50	2.0	.700	700	N	N
422632	65 2 24	149 16 41	5.00	1.50	2.0	.700	500	<.5	N
422633	65 3 14	149 15 15	7.00	2.00	3.0	1.000	700	N	N
422634	65 2 3	149 15 17	7.00	2.00	3.0	.700	700	N	N
422635	65 1 2	149 14 17	3.00	1.50	3.0	.700	500	N	N
422636	65 1 4	149 10 15	5.00	2.00	3.0	1.000	700	N	N
422637	65 0 28	149 9 33	7.00	2.00	5.0	>1.000	700	N	N
422638	65 0 55	149 5 22	7.00	2.00	3.0	1.000	700	N	N
422639	65 1 54	149 7 14	5.00	2.00	3.0	1.000	500	N	N
422640	65 2 29	149 9 3	7.00	2.00	3.0	1.000	1,000	N	N
422641	65 3 15	149 10 41	10.00	2.00	5.0	1.000	700	N	N
422642	65 4 8	149 11 35	7.00	2.00	5.0	1.000	700	N	N
422643	65 3 55	149 7 38	5.00	1.50	3.0	.700	500	N	N
422644	65 4 37	149 5 47	7.00	2.00	3.0	.700	500	N	N
422645	65 5 15	149 8 29	7.00	2.00	3.0	1.000	500	N	N
422647	65 5 35	149 10 36	7.00	1.50	3.0	1.000	1,000	N	N
422648	65 6 33	149 8 7	7.00	2.00	3.0	.700	1,000	N	N
422649	65 6 59	149 5 33	7.00	2.00	3.0	.700	700	N	N
422650	65 8 0	149 6 25	7.00	2.00	1.5	.700	1,000	N	N
422748	65 8 53	149 8 2	5.00	1.50	2.0	.700	700	<.5	N
422749	65 9 50	149 6 11	5.00	1.50	2.0	.700	1,000	<.5	N
422750	65 10 29	149 5 9	7.00	2.00	2.0	1.000	1,000	<.5	N
422751	65 10 31	149 9 18	7.00	1.50	5.0	1.000	1,000	N	N
422752	65 11 12	149 7 18	10.00	2.00	3.0	1.000	1,000	N	N
422753	65 20 17	149 11 12	7.00	1.50	3.0	.700	1,000	N	N
422754	65 20 8	149 18 29	10.00	1.50	2.0	1.000	1,500	N	N
422755	65 21 21	149 15 47	10.00	2.00	3.0	.700	1,500	N	N
422756	65 22 0	149 10 10	7.00	2.00	5.0	1.000	1,000	N	N
422757	65 23 45	149 8 34	10.00	2.00	3.0	1.000	1,500	N	N
422758	65 19 2	148 56 58	7.00	2.00	3.0	.700	1,500	.5	N
422759	65 23 44	149 0 15	7.00	1.50	3.0	1.000	1,000	.5	N
422760	65 16 50	148 44 35	7.00	1.50	2.0	1.000	1,000	.5	N
422761	65 14 36	148 45 43	10.00	3.00	3.0	1.000	3,000	3.0	N
422762	65 11 36	149 7 46	5.00	1.50	2.0	.700	1,500	<.5	N
422763	65 11 32	149 1 59	7.00	1.50	1.5	1.000	2,000	.7	N
422764	65 10 49	149 1 32	7.00	1.50	3.0	1.000	1,000	N	N
422765	65 9 24	149 1 51	5.00	1.50	3.0	.700	2,000	N	N
422766	65 7 54	149 1 6	7.00	1.50	3.0	1.000	1,500	N	N
422767	65 6 56	149 3 11	7.00	2.00	3.0	1.000	2,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422625	100	1,500	1.0	N	15	100	50	100	N	20
422626	70	1,000	2.0	N	10	70	15	70	N	30
422627	70	700	1.5	N	15	100	15	100	N	20
422628	150	1,500	<1.0	N	15	200	50	50	N	N
422629	100	1,500	<1.0	N	20	150	50	50	N	<20
422630	100	1,500	1.0	N	20	100	30	30	N	<20
422631	70	1,500	1.0	N	20	70	50	30	N	N
422632	50	1,500	1.0	N	15	100	70	30	N	N
422633	50	1,500	<1.0	N	15	200	70	30	N	N
422634	50	1,000	1.0	N	20	100	70	N	N	N
422635	30	1,000	1.0	N	10	70	30	N	N	N
422636	70	1,500	<1.0	N	30	150	30	50	N	<20
422637	70	1,500	<1.0	N	20	200	70	50	N	<20
422638	50	1,500	<1.0	N	20	150	70	50	<5	N
422639	50	1,000	1.0	N	15	100	50	50	N	N
422640	70	1,000	<1.0	N	15	150	30	50	N	<20
422641	70	2,000	1.0	N	30	200	70	70	N	<20
422642	50	2,000	1.0	N	20	150	50	50	N	<20
422643	70	1,000	<1.0	N	15	100	15	50	N	<20
422644	70	1,000	1.0	N	20	150	30	70	N	N
422645	70	1,000	<1.0	N	20	150	20	70	N	<20
422647	100	1,000	1.0	N	15	200	20	70	N	<20
422648	100	1,500	1.0	N	15	200	30	100	N	<20
422649	70	1,500	1.0	N	15	150	30	30	N	N
422650	100	1,500	1.0	N	20	200	20	70	N	N
422748	50	1,000	1.0	N	15	100	20	N	<5	N
422749	70	1,000	1.0	N	15	100	30	N	N	N
422750	100	1,500	1.0	N	20	150	30	30	N	<20
422751	70	1,000	<1.0	N	15	150	15	50	N	N
422752	70	1,000	1.0	N	20	150	50	50	N	<20
422753	100	1,000	<1.0	N	15	150	15	50	N	N
422754	100	700	1.0	N	20	100	30	50	N	<20
422755	150	1,500	1.0	N	20	300	30	150	N	<20
422756	100	2,000	<1.0	N	20	150	50	50	N	<20
422757	70	1,500	<1.0	N	15	200	30	50	N	<20
422758	70	1,500	1.0	N	15	300	70	N	5	N
422759	100	1,500	1.0	N	15	200	30	50	N	N
422760	70	1,500	1.0	N	15	100	20	50	N	N
422761	150	3,000	1.0	N	20	200	70	70	N	<20
422762	100	2,000	1.0	N	15	150	30	50	N	<20
422763	150	1,500	1.0	N	50	150	70	50	<5	<20
422764	100	1,500	1.0	N	15	150	30	50	N	<20
422765	100	1,500	1.0	N	10	70	30	30	N	N
422766	150	1,500	1.0	N	15	150	30	50	N	<20
422767	70	1,500	1.0	N	20	200	50	50	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422625	30	70	20	N	500	150	N	50	N	700	N
422626	20	20	20	<10	500	150	N	50	N	1,000	N
422627	20	20	20	<10	500	150	N	50	N	1,000	N
422628	70	15	20	N	300	200	N	50	N	500	N
422629	50	20	20	N	300	150	N	50	N	200	N
422630	50	20	20	N	200	200	N	50	N	300	N
422631	70	20	20	N	200	150	N	30	N	150	N
422632	70	20	20	N	150	200	N	50	N	150	N
422633	50	20	20	N	300	200	N	50	N	300	N
422634	70	15	15	N	150	150	N	30	200	150	N
422635	30	10	15	N	150	100	N	20	N	150	N
422636	50	30	30	N	200	200	N	50	N	200	N
422637	50	30	30	N	300	200	N	50	N	500	N
422638	50	30	30	N	300	200	N	50	N	200	N
422639	30	20	20	N	300	150	N	30	N	300	N
422640	30	20	20	N	300	150	N	150	N	500	N
422641	50	30	30	N	300	300	N	50	N	300	N
422642	50	20	30	N	300	200	N	30	N	300	N
422643	30	20	20	N	300	150	N	30	N	500	N
422644	50	20	20	N	300	150	N	50	N	300	N
422645	30	20	15	N	300	150	N	50	N	300	N
422647	50	20	20	N	300	150	N	50	N	500	N
422648	70	20	30	N	200	200	N	50	N	500	N
422649	50	20	20	N	300	150	N	50	N	700	N
422650	70	15	20	N	200	150	N	30	N	300	N
422748	50	15	20	N	100	150	N	30	N	150	N
422749	50	15	15	N	100	150	N	30	N	300	N
422750	50	20	20	N	200	200	N	30	N	300	N
422751	20	20	20	N	300	150	N	30	N	300	N
422752	50	30	20	N	200	200	N	50	N	500	N
422753	30	20	20	N	200	150	N	30	N	700	N
422754	30	30	20	N	200	150	N	30	N	700	N
422755	70	15	20	N	200	300	N	70	N	1,000	N
422756	50	20	30	N	200	200	N	50	N	500	N
422757	50	15	20	N	200	300	N	50	N	700	N
422758	100	15	20	N	150	200	N	50	N	300	N
422759	70	20	20	N	200	200	N	50	N	500	N
422760	30	15	20	N	200	200	N	50	N	500	N
422761	70	70	20	N	300	200	<50	70	200	300	N
422762	50	50	20	N	300	200	N	50	200	300	N
422763	100	70	30	N	200	200	N	50	200	300	N
422764	30	30	20	N	300	200	N	50	N	300	N
422765	30	20	15	N	200	200	N	30	N	200	N
422766	30	30	20	N	300	200	N	50	N	700	N
422767	70	20	20	N	200	200	N	30	N	200	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
422768	65 5 22	149 0 51	7.00	3.00	5.0	1.000	3,000	N	N
422769	65 3 11	149 0 11	7.00	3.00	5.0	1.000	1,500	N	N
422770	65 1 53	149 1 0	10.00	3.00	5.0	>1.000	2,000	N	N
422771	65 0 46	148 59 45	7.00	2.00	7.0	1.000	1,500	N	N
422772	65 0 20	148 54 12	7.00	2.00	5.0	1.000	1,000	N	N
422773	65 3 3	148 6 38	7.00	1.50	3.0	1.000	500	N	N
422774	65 2 39	148 11 25	10.00	2.00	7.0	.700	1,000	N	N
422775	65 48 51	149 11 31	.15	.20	3.0	.030	200	N	N
422776	65 46 51	149 1 49	10.00	2.00	3.0	1.000	1,000	N	N
422777	65 46 54	149 38 9	7.00	2.00	7.0	1.000	1,000	N	N
422778	65 33 2	149 45 20	.30	.20	.1	.200	200	1.5	N
422779	65 30 23	149 45 7	.15	.05	.1	.020	50	N	N
435600	65 48 51	146 39 57	7.00	1.50	1.0	1.000	1,000	N	N
435601	65 49 19	146 33 29	10.00	1.50	3.0	.700	2,000	.5	N
435602	65 49 36	146 34 49	7.00	1.50	3.0	1.000	3,000	.5	N
435603	65 52 56	146 27 36	15.00	.50	3.0	.300	>5,000	N	N
435604	65 52 32	146 26 17	10.00	2.00	3.0	1.000	2,000	N	N
435605	65 52 42	146 21 52	7.00	1.50	3.0	.700	1,500	N	N
435606	65 51 20	146 17 30	7.00	1.50	3.0	1.000	1,000	N	N
435608	65 50 3	146 18 28	10.00	1.50	3.0	1.000	1,000	<.5	N
435610	65 53 34	146 14 54	5.00	1.50	3.0	1.000	1,000	N	N
435611	65 53 48	146 13 14	5.00	1.50	5.0	1.000	1,000	N	N
435612	65 56 8	146 12 45	7.00	1.50	3.0	1.000	700	N	N
435614	65 58 57	146 21 11	10.00	1.50	2.0	1.000	1,000	N	N
435616	65 56 7	146 25 6	1.50	.30	3.0	.150	3,000	N	N
435618	65 58 55	146 24 37	7.00	1.50	3.0	1.000	1,000	N	N
435619	65 58 29	146 24 29	10.00	2.00	3.0	>1.000	2,000	N	N
435621	65 57 35	146 31 6	1.00	.30	2.0	.200	700	N	N
435622	65 56 7	146 30 8	7.00	2.00	5.0	1.000	700	N	N
435628	65 56 6	146 44 39	.50	.20	5.0	.050	700	N	N
435630	65 58 45	146 58 9	10.00	2.00	5.0	>1.000	2,000	N	N
435631	65 55 35	146 56 49	10.00	2.00	5.0	1.000	3,000	N	N
435632	65 45 21	146 33 29	10.00	1.50	3.0	1.000	2,000	<.5	N
435633	65 44 42	146 32 43	10.00	1.50	2.0	1.000	2,000	.5	N
435634	65 43 17	146 33 53	10.00	2.00	3.0	1.000	2,000	<.5	N
435635	65 42 52	146 31 30	7.00	1.50	3.0	1.000	1,000	.5	N
435636	65 24 47	146 6 32	1.00	.30	1.0	.150	150	.5	N
435637	65 25 20	146 9 18	2.00	.50	.2	.150	150	<.5	N
435638	65 27 30	146 9 52	5.00	.20	.7	.100	200	<.5	N
435639	65 28 33	146 9 33	5.00	1.00	1.0	.200	500	<.5	N
435640	65 28 54	146 9 46	7.00	1.50	.5	.300	500	.5	N
435641	65 29 12	146 16 45	5.00	1.50	.7	1.000	1,000	N	N
435642	65 29 8	146 42 55	7.00	1.50	.3	1.000	1,000	N	N
435643	65 31 15	146 11 20	7.00	1.50	.5	.700	1,000	N	N
435644	65 30 51	146 10 59	7.00	1.50	2.0	1.000	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
422768	100	2,000	<1.0	N	30	200	100	50	N	<20
422769	100	1,500	<1.0	N	20	300	50	20	N	<20
422770	50	2,000	<1.0	N	30	300	70	N	N	N
422771	70	2,000	1.0	N	15	150	50	50	N	N
422772	70	1,500	1.0	N	15	150	20	50	N	<20
422773	50	1,500	<1.0	N	15	100	100	N	<5	N
422774	100	2,000	1.0	N	15	100	30	50	N	<20
422775	<10	150	<1.0	N	N	N	5	N	N	N
422776	100	1,500	1.0	N	20	150	50	50	N	<20
422777	70	1,500	1.0	N	15	100	20	50	N	20
422778	<10	500	1.0	N	N	20	10	N	N	N
422779	N	150	<1.0	N	N	N	<5	N	N	N
435600	150	1,000	1.5	N	20	100	30	70	<5	<20
435601	150	3,000	1.0	N	20	150	50	70	5	<20
435602	100	2,000	1.5	N	30	150	50	70	N	<20
435603	10	1,500	1.5	N	50	20	20	N	<5	N
435604	100	2,000	1.0	N	20	200	50	70	N	<20
435605	100	2,000	1.0	N	20	200	50	50	7	<20
435606	100	1,500	1.0	N	20	150	50	50	<5	<20
435608	100	2,000	<1.0	N	20	200	50	70	<5	<20
435610	100	2,000	<1.0	N	15	100	50	30	N	N
435611	70	2,000	1.0	N	15	150	30	50	N	<20
435612	70	2,000	1.0	N	20	150	50	50	N	<20
435614	100	2,000	1.5	N	20	200	50	50	5	<20
435616	<10	500	1.5	N	<5	<10	20	N	N	N
435618	100	2,000	1.0	N	15	150	30	70	N	<20
435619	70	700	<1.0	N	15	200	70	30	N	N
435621	20	500	1.0	N	N	20	10	N	N	N
435622	100	2,000	1.0	N	15	200	30	50	N	N
435628	10	300	1.0	N	N	<10	10	N	N	N
435630	100	2,000	1.0	N	30	200	70	70	N	<20
435631	150	2,000	1.0	N	20	200	70	50	N	N
435632	100	3,000	1.0	N	20	70	50	50	N	N
435633	200	5,000	1.5	N	20	150	70	70	7	<20
435634	100	2,000	1.0	N	20	100	30	70	<5	<20
435635	150	3,000	1.0	N	15	200	50	50	5	<20
435636	<10	300	1.5	<10	N	20	15	20	N	N
435637	<10	700	1.5	N	7	30	30	20	N	N
435638	N	300	1.5	N	N	<10	15	N	N	N
435639	50	700	1.5	N	7	50	50	200	N	N
435640	100	1,500	1.5	N	15	100	50	150	N	N
435641	200	1,000	2.0	N	15	100	15	70	<5	<20
435642	200	1,000	2.0	N	15	100	15	50	<5	<20
435643	150	1,500	2.0	N	15	150	20	70	<5	<20
435644	100	1,500	2.0	N	15	200	30	70	<5	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
422768	70	20	30	N	300	300	N	50	200	300	N
422769	70	20	30	N	200	300	N	30	N	300	N
422770	70	20	30	N	200	300	N	30	<200	200	N
422771	50	20	20	N	300	200	N	50	N	200	N
422772	30	15	20	N	300	200	N	30	N	300	N
422773	50	15	50	N	200	200	N	50	N	150	N
422774	30	20	20	N	300	150	N	50	N	500	N
422775	N	N	N	N	N	15	N	<10	N	10	N
422776	50	20	20	N	300	200	N	50	N	500	N
422777	30	15	20	N	300	150	N	50	N	700	N
422778	5	70	5	N	<100	70	N	15	N	100	N
422779	N	N	N	N	N	15	N	10	N	10	N
435600	50	20	20	N	200	100	N	50	N	500	N
435601	70	70	20	N	300	200	N	50	200	300	N
435602	70	30	20	N	300	200	N	70	N	300	N
435603	30	15	7	N	100	100	N	20	200	70	N
435604	50	30	20	N	300	150	N	70	N	500	N
435605	70	100	20	30	300	150	N	50	N	300	N
435606	50	20	15	N	300	200	N	50	N	500	N
435608	50	20	20	N	300	200	N	70	N	70	N
435610	30	20	15	N	300	150	N	30	N	200	N
435611	30	30	20	N	500	200	N	50	N	500	N
435612	50	20	20	N	300	200	N	50	N	300	N
435614	70	1,000	20	10	200	200	N	70	500	700	N
435616	20	10	5	N	N	70	N	15	N	50	N
435618	50	20	15	N	300	200	N	50	N	500	N
435619	50	20	20	N	300	150	N	30	N	300	N
435621	10	20	5	N	N	50	N	15	N	100	N
435622	30	50	20	N	500	200	N	50	N	500	N
435628	N	10	N	N	N	30	N	10	N	30	N
435630	70	50	30	N	200	300	N	50	N	500	N
435631	30	30	20	N	300	500	N	70	N	1,000	N
435632	50	50	20	N	300	300	N	50	N	500	N
435633	100	50	20	N	200	300	N	50	N	300	N
435634	50	50	20	N	300	200	N	50	N	500	N
435635	50	50	30	N	200	500	N	50	N	300	N
435636	10	70	5	N	N	70	N	15	N	30	<100
435637	50	20	7	N	N	70	N	15	N	70	N
435638	20	10	7	N	N	50	N	30	N	50	N
435639	30	30	20	N	<100	100	N	70	N	70	N
435640	70	70	20	N	150	150	N	50	N	150	N
435641	30	30	15	20	150	70	N	70	N	500	<100
435642	30	50	15	15	150	70	N	30	N	300	N
435643	50	50	20	10	200	70	N	30	N	300	N
435644	50	70	20	10	200	150	N	50	<200	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435645	65 31 32	146 13 24	7.00	1.50	1.5	1.000	1,500	N	N
435646	65 32 2	146 12 59	10.00	1.50	1.0	1.000	1,500	N	N
435647	65 32 40	146 13 54	7.00	1.50	1.0	1.000	1,000	N	N
435648	65 33 42	146 16 0	7.00	1.50	2.0	1.000	1,000	N	N
435649	65 33 33	146 18 1	7.00	1.50	.2	.500	700	N	N
435650	65 33 16	146 18 0	10.00	1.50	.7	1.000	1,500	N	N
435651	65 34 1	146 19 32	1.00	.30	2.0	.070	150	N	N
435652	65 36 46	146 23 51	10.00	2.00	1.0	1.000	1,000	N	N
435653	65 37 14	146 22 0	10.00	2.00	2.0	1.000	1,500	N	N
435654	65 37 24	146 22 51	10.00	2.00	2.0	1.000	1,500	N	N
435655	65 37 50	146 21 8	10.00	1.50	2.0	1.000	1,000	<.5	N
435656	65 39 6	146 23 58	5.00	1.50	2.0	.700	1,000	N	N
435657	65 39 16	146 25 17	7.00	2.00	2.0	1.000	1,500	N	N
435658	65 41 11	146 24 18	7.00	1.50	2.0	1.000	1,500	<.5	N
435659	65 40 55	146 23 39	5.00	1.50	1.5	.700	1,000	N	N
435660	65 41 16	146 22 27	7.00	1.50	2.0	1.000	1,000	N	N
435661	65 42 26	146 21 11	7.00	1.50	3.0	.700	700	N	N
435662	65 42 9	146 20 35	7.00	1.50	3.0	1.000	1,500	N	N
435663	65 43 41	146 16 18	7.00	1.50	3.0	.700	1,000	N	N
435664	65 43 28	146 15 30	10.00	1.50	.5	1.000	1,500	N	N
435665	65 44 57	146 20 36	15.00	1.00	.2	.700	150	N	N
435666	65 44 57	146 21 39	15.00	1.50	1.0	1.000	300	N	N
435667	65 45 46	146 23 49	7.00	1.50	1.5	1.000	1,000	<.5	N
435668	65 47 39	146 25 37	.20	.10	.5	.030	150	N	N
435669	65 47 39	146 31 17	7.00	2.00	3.0	1.000	1,000	N	N
435670	65 51 33	146 28 50	10.00	1.50	1.5	1.000	2,000	<.5	N
435671	65 51 30	146 27 42	10.00	1.50	2.0	1.000	2,000	<.5	N
435672	65 52 8	146 27 29	7.00	2.00	3.0	1.000	1,000	N	N
435673	65 49 10	146 38 44	.70	.20	5.0	.100	500	N	N
435674	65 49 9	146 40 49	10.00	2.00	2.0	1.000	2,000	N	N
435675	65 49 53	146 46 33	7.00	2.00	3.0	1.000	1,500	N	N
435676	65 50 20	146 45 47	7.00	1.50	3.0	1.000	1,500	N	N
435677	65 50 9	146 57 43	5.00	1.50	2.0	1.000	500	<.5	N
435678	65 50 34	146 57 2	5.00	2.00	2.0	1.000	1,000	N	N
435679	65 49 18	146 59 12	5.00	1.50	2.0	.500	1,000	N	N
435680	65 49 47	146 59 43	3.00	1.50	2.0	.500	700	N	N
435681	65 51 15	146 51 36	5.00	1.50	.7	.500	1,000	N	N
435682	65 51 7	146 52 26	5.00	1.50	1.5	.700	1,000	N	N
435683	65 50 31	146 51 34	5.00	1.50	2.0	.500	1,000	N	N
435684	65 47 39	146 42 50	5.00	1.50	2.0	.700	700	N	N
435685	65 46 50	146 38 21	5.00	1.50	2.0	.700	700	N	N
435686	65 45 43	146 41 4	7.00	1.50	.7	.700	1,000	N	N
435687	65 42 47	146 37 37	7.00	2.00	3.0	.700	1,000	N	N
435688	65 48 7	146 29 27	7.00	1.50	3.0	.700	1,500	N	N
435689	65 50 13	146 32 25	5.00	1.50	.7	.500	1,500	<.5	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435645	100	1,500	1.5	N	15	150	20	70	<5	<20
435646	150	2,000	1.5	<10	20	300	30	70	<5	<20
435647	100	1,500	1.0	N	15	100	15	70	<5	<20
435648	100	1,500	1.0	N	15	150	20	70	<5	<20
435649	100	1,000	<1.0	N	20	150	15	50	<5	N
435650	200	1,500	1.0	N	20	150	20	70	<5	N
435651	N	300	1.0	<10	N	<10	30	N	N	<20
435652	150	1,500	1.0	N	30	20	50	70	<5	<20
435653	200	1,500	1.0	N	30	300	5	50	<5	<20
435654	150	1,500	1.0	N	20	300	50	70	5	<20
435655	100	1,500	<1.0	N	20	200	20	50	N	<20
435656	100	1,000	<1.0	N	10	100	15	50	N	<20
435657	150	1,500	1.0	N	15	150	30	50	N	<20
435658	200	1,000	1.0	N	15	100	30	70	N	<20
435659	70	1,000	2.0	N	15	150	15	70	N	<20
435660	100	1,000	1.0	N	15	200	15	50	N	<20
435661	100	1,500	1.5	N	15	200	50	70	N	<20
435662	100	2,000	1.0	N	20	200	30	50	<5	<20
435663	70	1,000	<1.0	N	15	150	30	50	N	<20
435664	150	2,000	1.5	N	20	150	50	50	<5	<20
435665	70	1,500	<1.0	N	7	200	50	70	10	<20
435666	70	2,000	<1.0	N	7	150	50	30	<5	<20
435667	70	2,000	1.0	N	15	100	30	100	7	20
435668	N	100	<1.0	N	N	<10	<5	N	N	N
435669	70	2,000	<1.0	N	15	200	30	50	N	<20
435670	100	3,000	<1.0	N	30	150	70	70	7	<20
435671	100	2,000	1.0	N	20	200	50	50	<5	<20
435672	70	2,000	<1.0	N	15	150	50	30	N	<20
435673	<10	300	1.0	N	N	<10	15	N	N	N
435674	100	2,000	<1.0	N	20	300	50	50	N	<20
435675	100	2,000	1.0	N	15	200	30	50	N	<20
435676	100	1,500	1.0	N	20	150	20	50	N	<20
435677	100	2,000	1.0	N	20	200	50	50	N	<20
435678	100	2,000	1.0	N	20	200	30	50	N	N
435679	70	1,000	<1.0	N	15	70	20	50	N	N
435680	50	1,000	<1.0	N	15	100	20	50	N	<20
435681	100	1,000	1.0	N	15	150	30	50	N	<20
435682	50	1,000	<1.0	N	15	150	50	30	N	<20
435683	70	1,000	<1.0	N	10	70	15	50	N	N
435684	50	1,000	<1.0	N	15	70	20	30	N	<20
435685	50	700	<1.0	N	15	100	30	50	N	N
435686	70	700	<1.0	N	10	100	15	50	N	N
435687	50	1,000	N	N	15	500	20	20	<5	N
435688	50	1,000	<1.0	N	15	100	20	30	N	N
435689	50	1,000	<1.0	N	10	100	10	30	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435645	50	30	20	15	150	150	N	50	N	300	N
435646	70	50	30	20	200	200	N	50	N	300	N
435647	30	30	15	N	200	150	N	30	N	700	N
435648	30	30	20	N	200	150	N	50	N	500	N
435649	30	30	10	N	<100	70	N	20	N	200	N
435650	50	50	20	10	200	150	N	50	N	700	N
435651	5	<10	<5	N	N	30	N	15	N	50	N
435652	70	50	30	20	200	200	N	50	N	200	N
435653	70	30	20	<10	200	200	N	50	N	300	N
435654	70	50	20	10	200	150	N	50	N	300	N
435655	50	30	20	N	200	150	N	50	N	300	N
435656	30	30	15	N	200	100	N	30	N	500	N
435657	30	30	20	N	200	150	N	50	<200	700	N
435658	30	30	20	N	200	150	N	70	N	500	N
435659	20	70	15	15	200	150	N	50	<200	500	N
435660	30	30	20	10	200	150	N	50	N	700	N
435661	30	50	20	N	300	150	N	50	N	500	N
435662	30	30	15	10	300	200	N	50	N	500	N
435663	50	20	15	N	200	150	N	50	N	300	N
435664	70	500	20	<10	100	200	N	30	200	200	N
435665	30	20	10	N	100	200	N	30	N	300	N
435666	30	20	20	N	150	300	N	50	N	300	N
435667	30	30	20	N	200	300	N	70	N	700	N
435668	N	N	N	N	N	15	N	10	N	N	N
435669	30	30	20	N	500	200	N	50	N	300	N
435670	70	30	20	N	200	500	N	50	N	300	N
435671	50	50	20	N	200	200	N	30	200	300	N
435672	50	30	20	N	300	200	N	30	N	200	N
435673	7	<10	<5	N	<100	30	N	10	N	70	N
435674	70	50	20	N	200	200	N	50	N	300	N
435675	50	30	20	N	200	200	N	50	<200	500	N
435676	50	30	15	N	200	150	N	30	<200	300	N
435677	50	50	20	N	200	200	N	50	<200	150	N
435678	50	50	20	N	200	200	N	50	<200	200	N
435679	50	20	10	N	200	150	N	30	200	200	N
435680	30	20	10	N	150	150	N	30	<200	200	N
435681	50	20	10	N	100	200	N	20	N	150	N
435682	50	20	10	N	150	150	N	50	N	200	N
435683	30	50	10	<10	200	150	N	30	N	300	N
435684	30	15	10	N	300	150	N	30	N	200	N
435685	50	20	7	N	150	150	N	20	N	300	N
435686	50	30	10	<10	100	200	N	20	N	200	N
435687	100	15	7	N	150	200	N	20	N	300	N
435688	30	20	7	N	200	200	N	20	N	500	N
435689	20	15	7	<10	100	200	N	15	N	200	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435690	65 51 2	146 30 26	5.00	1.50	1.5	.700	700	N	N
435691	65 50 45	146 28 32	5.00	1.50	2.0	.500	1,000	N	N
435692	65 52 8	146 31 21	5.00	1.50	1.0	.500	1,000	N	N
435693	65 54 38	146 32 18	5.00	1.50	2.0	.500	1,000	N	N
435694	65 49 15	146 36 25	5.00	1.50	2.0	.700	1,500	N	N
435695	65 49 41	146 45 5	5.00	1.50	.7	.700	1,000	N	N
435696	65 49 50	146 42 55	5.00	1.50	.5	.700	1,500	N	N
435697	65 47 43	146 37 55	2.00	1.00	1.0	.300	700	N	N
435698	65 48 3	146 37 17	3.00	1.50	1.5	.500	1,000	N	N
435699	65 49 40	146 58 23	5.00	1.00	1.0	.500	300	1.0	N
435700	65 47 3	146 42 50	2.00	1.00	2.0	.500	500	<.5	N
435701	65 42 5	146 37 14	7.00	1.50	1.5	.700	1,000	N	N
435702	65 40 12	146 34 11	7.00	1.00	.3	.200	1,000	<.5	N
435703	65 39 55	146 33 38	5.00	1.50	.3	.500	1,000	<.5	N
435704	65 37 5	146 29 22	5.00	1.50	1.0	.700	1,000	N	N
435705	65 37 22	146 30 8	7.00	1.50	.5	.700	1,000	N	N
435706	65 36 43	146 32 35	7.00	1.50	1.0	.700	500	N	N
435707	65 36 29	146 31 53	10.00	1.50	1.0	1.000	500	N	N
435708	65 35 49	146 32 23	7.00	1.50	.7	1.000	1,000	N	N
435709	65 36 2	146 33 14	7.00	1.50	.7	1.000	1,000	N	N
435710	65 34 10	146 27 7	7.00	1.50	1.0	1.000	2,000	N	N
435711	65 34 4	146 26 17	10.00	1.50	1.0	1.000	3,000	N	N
435712	65 32 17	146 28 28	5.00	1.50	1.0	.700	1,000	N	N
435713	65 32 25	146 31 5	7.00	1.00	.5	1.000	700	N	N
435714	65 30 23	146 31 0	7.00	1.50	1.0	1.000	1,500	N	N
435715	65 30 6	146 30 16	10.00	1.00	.5	.500	5,000	N	N
435716	65 28 49	146 32 25	15.00	2.00	.7	1.000	2,000	N	N
435717	65 27 35	146 34 54	7.00	1.50	1.0	1.000	1,000	N	N
435718	65 28 10	146 35 24	7.00	1.50	1.0	1.000	1,000	N	N
435719	65 26 27	146 34 20	7.00	1.50	1.5	.700	700	N	N
435720	65 24 32	146 33 46	7.00	1.50	1.0	.700	700	<.5	N
435721	65 24 54	146 32 27	5.00	1.50	1.5	.700	500	N	N
435722	65 22 15	146 34 10	5.00	1.50	.3	.700	1,000	N	N
435723	65 22 23	146 34 48	5.00	1.50	.5	.700	700	N	N
435724	65 20 52	146 34 58	7.00	1.50	.7	1.000	1,000	N	N
435725	65 18 28	146 35 16	7.00	1.50	1.5	1.000	700	N	N
435726	65 18 8	146 36 6	7.00	1.50	2.0	1.000	700	N	N
435727	65 13 18	146 35 53	10.00	1.50	.3	.700	300	<.5	N
435728	65 12 25	146 33 6	10.00	1.50	2.0	1.000	1,000	N	N
435729	65 9 16	146 35 50	7.00	1.50	2.0	1.000	700	N	N
435730	65 9 33	146 35 17	10.00	1.50	1.0	1.000	1,000	N	N
435731	65 9 3	146 34 18	15.00	1.50	2.0	.700	500	N	N
435732	65 8 35	146 34 35	7.00	1.50	2.0	1.000	700	N	N
435733	65 7 9	146 31 3	5.00	1.00	2.0	.700	700	N	N
435734	65 7 15	146 32 3	3.00	1.00	2.0	.500	500	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435690	50	1,000	1.0	N	15	70	20	50	N	<20
435691	50	1,000	1.0	N	10	70	15	70	N	<20
435692	70	700	1.0	N	15	100	20	70	N	<20
435693	50	1,000	<1.0	N	10	100	15	30	N	<20
435694	50	1,000	N	N	15	100	20	70	N	<20
435695	100	700	<1.0	N	15	100	20	50	N	<20
435696	100	700	<1.0	N	15	100	20	50	<5	<20
435697	20	700	<1.0	N	15	30	15	N	N	N
435698	70	700	<1.0	N	15	70	20	50	N	<20
435699	100	2,000	<1.0	N	5	100	30	70	5	<20
435700	50	700	N	N	10	100	15	50	N	N
435701	100	1,000	1.5	N	15	150	30	70	N	20
435702	50	500	3.0	N	7	70	20	70	<5	<20
435703	100	700	5.0	N	10	100	20	150	7	20
435704	100	1,000	1.0	N	15	150	20	50	N	<20
435705	100	1,000	1.5	N	15	100	20	70	N	20
435706	100	1,000	1.0	N	15	100	30	100	N	<20
435707	150	1,000	1.0	N	15	150	20	100	N	<20
435708	100	700	1.0	N	15	100	20	70	7	<20
435709	150	700	1.0	N	15	100	20	70	N	20
435710	100	1,000	2.0	N	20	100	15	100	N	<20
435711	150	100	2.0	N	20	150	20	70	<5	20
435712	70	1,000	1.0	N	10	70	20	50	N	N
435713	150	700	1.5	N	10	70	15	70	N	20
435714	150	1,000	1.0	N	15	100	20	70	N	<20
435715	100	700	3.0	N	30	50	15	70	N	N
435716	150	1,000	<1.0	N	10	150	15	N	N	<20
435717	100	1,000	1.5	N	15	100	20	70	N	<20
435718	150	1,000	2.0	N	15	70	20	70	N	<20
435719	150	700	2.0	N	10	100	15	70	N	<20
435720	150	700	5.0	<10	15	100	15	50	5	<20
435721	200	700	15.0	<10	10	150	15	70	<5	<20
435722	200	500	2.0	N	20	50	15	50	N	<20
435723	100	700	1.5	N	15	100	20	50	N	<20
435724	100	1,000	1.5	N	15	100	20	100	N	20
435725	100	700	1.0	N	15	100	20	50	N	<20
435726	100	700	<1.0	N	15	100	20	50	N	<20
435727	150	1,000	1.5	N	15	150	30	70	N	20
435728	100	1,000	1.0	N	20	150	50	70	N	<20
435729	150	700	1.0	N	10	70	10	50	N	20
435730	150	1,000	1.0	N	15	100	15	50	N	20
435731	100	1,000	1.0	N	15	100	20	70	N	<20
435732	150	1,000	1.0	N	15	100	15	50	N	<20
435733	50	700	1.0	N	10	70	20	50	N	N
435734	50	700	1.0	N	10	50	15	50	<5	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435690	30	50	10	N	200	150	N	20	N	200	N
435691	30	15	10	N	300	150	N	30	N	300	N
435692	30	15	10	N	200	150	N	20	N	300	N
435693	30	15	7	N	200	150	N	30	N	300	N
435694	30	50	10	N	200	150	N	20	N	300	N
435695	30	20	7	10	150	150	N	20	N	150	N
435696	50	20	10	<10	150	150	N	30	N	200	N
435697	50	15	7	N	150	100	N	20	N	100	N
435698	30	20	10	N	200	100	N	30	N	200	N
435699	30	20	10	N	150	300	N	20	N	200	N
435700	30	10	7	N	200	100	N	20	N	150	N
435701	50	30	15	<10	200	150	N	50	N	500	N
435702	20	50	10	20	N	70	N	70	N	300	N
435703	30	100	10	50	<100	100	N	70	200	700	100
435704	30	30	15	N	150	150	N	50	N	500	N
435705	50	30	15	N	100	150	N	30	N	500	N
435706	50	20	15	N	150	150	N	50	N	300	N
435707	30	30	15	N	150	150	N	50	N	500	N
435708	30	30	15	N	100	150	N	30	N	500	N
435709	30	100	15	N	100	150	N	50	N	1,000	N
435710	30	30	10	<10	150	150	N	30	N	300	N
435711	50	50	15	10	150	150	N	50	N	300	N
435712	30	20	10	N	100	150	N	30	N	300	N
435713	30	20	7	N	150	100	N	50	N	700	N
435714	30	30	10	N	150	100	N	50	N	1,000	N
435715	30	20	7	N	100	100	N	50	N	200	N
435716	30	50	77	N	<100	150	N	20	N	500	N
435717	30	30	15	<10	200	150	N	50	N	500	N
435718	30	30	10	10	150	100	N	50	N	700	N
435719	20	30	10	20	150	100	N	70	N	300	N
435720	30	30	10	10	150	100	N	50	N	200	N
435721	20	30	15	10	200	100	N	70	N	1,000	N
435722	50	20	10	N	100	100	N	50	N	700	N
435723	50	20	15	N	150	100	N	30	N	500	N
435724	50	30	15	N	200	100	N	50	N	500	N
435725	30	20	15	N	200	150	N	30	N	500	N
435726	30	20	15	N	200	150	N	30	N	300	N
435727	50	30	20	N	200	150	N	50	N	200	N
435728	50	20	20	N	200	150	N	50	N	300	N
435729	20	20	15	N	200	100	N	30	N	1,000	N
435730	30	20	15	N	200	150	N	30	N	500	N
435731	30	30	20	N	200	150	N	50	N	300	N
435732	30	20	15	N	200	150	N	50	N	500	N
435733	30	20	15	N	200	150	N	50	N	300	N
435734	20	30	10	N	150	100	N	30	N	200	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435735	65 6 6	146 32 25	10.00	2.00	3.0	1.000	1,000	N	N
435736	65 6 2	146 33 25	10.00	2.00	2.0	1.000	1,000	N	N
435737	65 4 0	146 33 56	7.00	1.50	2.0	1.000	700	N	N
435738	65 3 29	146 33 20	7.00	1.50	2.0	1.000	1,000	N	N
435739	65 3 18	146 31 0	1.50	.50	.7	.150	300	<.5	N
435740	65 3 53	146 29 54	.70	.15	.7	.150	200	<.5	N
435741	65 4 19	146 29 51	.50	.15	.3	.070	200	<.5	N
435742	65 4 26	146 22 45	1.50	1.00	1.0	.200	300	<.5	N
435743	65 3 39	146 21 19	1.00	.50	.2	.150	200	<.5	N
435753	65 4 45	146 51 38	3.00	1.50	2.0	.700	1,000	N	N
435754	65 5 11	146 52 22	5.00	1.50	2.0	1.000	1,000	N	N
435755	65 6 57	146 54 3	5.00	2.00	3.0	1.000	1,000	N	N
435756	65 6 56	146 52 18	5.00	2.00	3.0	1.000	1,000	N	N
435757	65 8 52	146 49 45	5.00	2.00	2.0	1.000	700	N	N
435758	65 9 33	146 50 3	5.00	2.00	3.0	1.000	2,000	N	N
435759	65 12 9	146 50 18	5.00	1.50	1.0	1.000	700	N	N
435760	65 12 38	146 49 58	5.00	1.50	1.5	1.000	1,000	N	N
435761	65 13 40	146 53 51	5.00	1.50	.7	.700	1,000	N	N
435762	65 13 4	146 54 51	5.00	1.50	2.0	.700	1,500	N	N
435763	65 13 24	146 52 15	5.00	1.50	2.0	1.000	1,000	N	N
435764	65 14 21	146 52 27	5.00	1.50	3.0	>1.000	1,000	N	N
435765	65 16 14	146 49 29	7.00	2.00	2.0	1.000	500	N	N
435766	65 15 50	146 51 30	5.00	2.00	2.0	1.000	500	N	N
435767	65 16 0	146 52 18	10.00	3.00	2.0	1.000	700	N	N
435768	65 16 33	146 52 36	7.00	2.00	1.5	1.000	700	N	N
435770	65 18 5	146 51 5	10.00	3.00	2.0	1.000	1,000	N	N
435771	65 17 54	146 50 12	5.00	2.00	2.0	1.000	1,000	N	N
435772	65 20 5	146 49 44	5.00	1.50	2.0	1.000	500	N	N
435773	65 19 51	146 50 25	7.00	1.50	1.5	.500	700	N	N
435774	65 21 24	146 54 55	5.00	1.50	.7	1.000	1,000	N	N
435775	65 21 28	146 52 41	5.00	1.50	.7	.700	700	N	N
435776	65 25 4	146 51 15	3.00	1.00	1.0	1.000	500	N	N
435777	65 24 20	146 51 38	5.00	1.50	2.0	1.000	500	<.5	N
435778	65 26 34	146 52 59	3.00	1.50	.5	1.000	700	N	N
435779	65 27 50	146 54 39	3.00	1.50	.5	1.000	500	N	N
435780	65 28 50	146 53 58	5.00	1.50	1.5	1.000	2,000	N	N
435781	65 28 35	146 51 37	7.00	2.00	.7	.100	1,500	N	N
435782	65 31 32	146 51 6	5.00	1.50	1.0	1.000	1,000	N	N
435783	65 32 4	146 50 16	5.00	1.50	.7	1.000	700	N	N
435785	65 33 11	146 54 51	5.00	1.50	1.0	1.000	700	N	N
435786	65 33 42	146 53 23	5.00	2.00	2.0	1.000	500	N	N
435787	65 34 32	146 50 41	3.00	1.00	1.0	.500	700	<.5	N
435788	65 36 37	146 53 9	5.00	1.50	1.5	1.000	700	<.5	N
435789	65 36 41	146 51 50	5.00	1.50	1.5	1.000	1,000	<.5	N
435791	65 37 37	146 49 28	3.00	1.00	.5	.700	1,500	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435735	100	1,000	1.0	N	15	150	15	50	N	20
435736	100	1,000	1.0	N	15	150	30	50	N	<20
435737	70	1,000	1.0	N	15	150	20	50	N	<20
435738	100	1,000	1.0	N	15	100	20	70	N	<20
435739	10	500	2.0	N	N	20	15	N	N	N
435740	<10	300	2.0	N	N	10	10	N	N	N
435741	<10	300	1.5	<10	N	<10	5	N	N	N
435742	20	700	2.0	<10	N	30	15	50	N	N
435743	10	300	2.0	<10	N	20	10	N	N	N
435753	100	1,000	1.5	N	10	70	15	50	<5	N
435754	70	1,000	1.0	N	10	50	15	50	N	20
435755	100	700	1.0	N	15	150	15	50	N	20
435756	100	1,000	1.0	N	20	150	20	70	<5	<20
435757	100	1,000	1.0	N	15	100	15	70	N	<20
435758	20	1,000	1.5	N	30	150	20	70	N	20
435759	150	700	1.0	N	15	100	20	70	N	20
435760	150	1,000	1.0	N	20	100	20	70	N	20
435761	70	700	1.0	N	15	100	20	20	<5	<20
435762	100	1,000	1.0	N	15	100	15	30	N	<20
435763	100	1,000	1.0	N	20	150	20	50	N	<20
435764	150	700	<1.0	N	15	100	15	50	N	20
435765	70	700	1.0	N	20	100	20	50	N	<20
435766	50	700	1.0	N	20	70	50	20	N	N
435767	50	500	<1.0	N	30	150	70	20	N	N
435768	100	700	1.0	N	15	100	30	50	N	20
435770	70	500	<1.0	N	30	150	70	30	N	N
435771	70	1,000	<1.0	N	15	150	30	50	N	<20
435772	70	1,000	1.0	N	10	150	15	50	N	<20
435773	30	1,000	1.0	N	15	70	15	50	N	N
435774	70	1,000	1.0	N	10	70	15	50	N	N
435775	70	1,000	1.0	N	15	100	15	50	N	<20
435776	70	700	1.0	N	10	100	10	70	N	<20
435777	70	1,000	1.0	N	15	150	15	50	N	<20
435778	100	700	1.0	N	10	50	15	50	N	20
435779	100	700	1.0	N	10	70	10	50	N	<20
435780	70	1,000	1.0	N	20	150	30	50	N	<20
435781	150	1,000	2.0	N	15	150	20	50	N	<20
435782	100	1,000	1.5	N	15	150	20	50	N	<20
435783	100	700	3.0	N	15	100	20	70	N	<20
435785	100	1,500	1.0	N	15	100	20	50	N	<20
435786	100	1,500	1.5	N	15	200	20	50	N	<20
435787	50	700	20.0	<10	7	100	15	100	7	20
435788	100	1,000	2.0	N	15	150	20	70	<5	<20
435789	100	1,000	3.0	N	15	100	20	100	<5	20
435791	50	700	5.0	<10	15	50	10	70	N	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435735	50	30	15	N	300	200	N	30	N	500	N
435736	30	50	15	N	300	150	N	50	N	500	N
435737	30	20	15	N	200	150	N	30	N	300	N
435738	30	30	15	N	200	150	N	50	N	500	N
435739	10	10	7	N	<100	70	N	20	N	70	N
435740	5	<10	7	N	N	50	N	20	N	70	N
435741	<5	<10	<5	N	N	50	N	10	N	50	N
435742	15	10	10	N	<100	70	N	30	N	150	N
435743	10	10	7	N	N	70	N	15	N	50	N
435753	30	20	10	N	200	100	N	30	N	300	N
435754	30	20	7	N	200	100	N	30	N	500	N
435755	50	20	15	N	300	150	N	30	N	500	N
435756	50	30	20	N	300	150	N	50	N	300	N
435757	30	30	15	N	300	150	N	50	N	300	N
435758	100	20	20	N	300	150	N	50	N	300	N
435759	30	20	20	N	200	100	N	50	N	300	N
435760	50	20	20	N	200	100	N	50	N	300	N
435761	50	20	15	N	150	100	N	20	N	150	N
435762	30	15	15	N	200	100	N	20	N	500	N
435763	50	20	20	N	200	100	N	30	N	200	N
435764	30	15	20	N	200	100	N	30	N	500	N
435765	50	15	20	N	200	150	N	30	N	300	N
435766	50	10	20	N	150	150	N	20	N	200	N
435767	70	20	20	N	150	200	N	20	N	150	N
435768	30	20	20	N	150	150	N	30	N	300	N
435770	70	20	30	N	100	200	N	30	N	200	N
435771	30	20	15	N	200	100	N	30	N	300	N
435772	30	20	15	N	200	150	N	30	N	300	N
435773	30	15	15	N	200	100	N	30	N	150	N
435774	30	20	15	N	200	100	N	30	N	200	N
435775	30	20	15	N	200	100	N	30	N	200	N
435776	20	15	10	N	150	100	N	30	N	1,000	N
435777	30	15	20	N	200	150	N	50	N	300	N
435778	20	20	15	N	100	70	N	30	N	300	N
435779	20	15	15	N	150	70	N	30	N	200	N
435780	70	20	20	N	200	150	N	50	N	300	N
435781	30	50	30	N	200	150	N	50	N	200	N
435782	50	30	20	<10	200	150	N	50	N	500	N
435783	30	30	20	N	150	150	N	50	N	700	N
435785	30	30	30	N	200	150	N	50	N	300	N
435786	30	50	30	N	300	150	N	50	N	200	N
435787	30	50	15	30	<100	100	N	150	N	300	<100
435788	50	50	20	10	200	150	N	70	N	300	<100
435789	30	100	30	<10	100	150	N	150	N	700	<100
435791	30	50	10	<10	100	70	N	70	N	700	<100

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435792	65 37 46	146 51 6	5.00	1.50	1.5	.700	1,000	N	N
435793	65 38 58	146 53 34	5.00	1.50	.5	.700	1,500	N	N
435794	65 38 58	146 52 17	5.00	1.50	.7	1.000	1,500	N	N
435795	65 39 30	146 51 36	5.00	1.50	1.0	1.000	1,500	N	N
435797	65 37 45	146 57 11	7.00	1.50	1.0	1.000	1,000	.5	N
435798	65 37 54	146 56 17	3.00	1.50	.7	.700	1,000	<.5	N
435799	65 36 15	146 58 40	7.00	2.00	2.0	.700	700	<.5	N
435800	65 36 6	146 59 36	5.00	1.50	1.0	.700	700	N	N
435817	65 14 40	146 21 47	3.00	1.50	1.5	.700	1,000	N	N
435818	65 14 22	146 21 16	7.00	1.50	1.0	1.000	500	N	N
435819	65 13 39	146 27 20	5.00	1.50	.7	1.000	500	N	N
435820	65 13 46	146 25 59	5.00	2.00	2.0	1.000	1,000	N	N
435821	65 17 5	146 28 32	5.00	1.50	.5	1.000	500	N	N
435822	65 16 41	146 28 1	7.00	2.00	2.0	1.000	2,000	N	N
435823	65 17 17	146 32 44	7.00	1.50	2.0	1.000	1,000	N	N
435824	65 16 58	146 33 39	10.00	2.00	3.0	1.000	2,000	N	N
435825	65 13 57	146 38 0	7.00	1.50	3.0	.700	2,000	N	N
435826	65 13 45	146 39 3	7.00	2.00	2.0	1.000	3,000	N	N
435827	65 12 5	146 40 0	7.00	1.50	3.0	.700	700	N	N
435828	65 11 44	146 40 31	7.00	1.50	3.0	1.000	700	N	N
435829	65 7 46	146 38 47	7.00	1.50	3.0	.700	1,000	N	N
435830	65 7 50	146 39 35	5.00	1.50	2.0	1.000	700	N	N
435831	65 6 10	146 40 44	5.00	1.50	3.0	1.000	1,000	N	N
435832	65 5 40	146 40 23	7.00	1.50	2.0	1.000	1,000	N	N
435835	65 3 5	146 26 26	1.50	1.00	.7	.300	300	N	N
435836	65 3 51	146 26 2	1.00	.20	.3	.150	150	N	N
435837	65 6 24	146 25 59	5.00	1.50	3.0	1.000	1,000	N	N
435838	65 6 5	146 25 55	5.00	1.50	2.0	.700	700	N	N
435839	65 12 6	146 27 41	7.00	2.00	3.0	1.000	1,500	N	N
435840	65 11 49	146 26 53	10.00	2.00	3.0	1.000	3,000	N	N
435841	65 12 9	146 24 37	7.00	1.50	3.0	1.000	2,000	N	N
435842	65 12 23	146 23 53	10.00	2.00	3.0	1.000	3,000	N	N
435843	65 12 51	146 21 2	5.00	1.50	1.5	.700	2,000	N	N
435844	65 12 23	146 20 30	7.00	1.50	2.0	1.000	1,500	N	N
435845	65 12 54	146 16 41	10.00	2.00	3.0	1.000	2,000	N	N
435846	65 12 11	146 17 17	7.00	1.50	.5	.700	2,000	N	N
435847	65 10 58	146 16 48	7.00	1.50	1.0	1.000	1,000	N	N
435848	65 10 29	146 17 40	7.00	1.50	.5	.700	700	N	N
435849	65 8 13	146 21 6	7.00	2.00	2.0	.700	1,500	N	N
435850	65 7 40	146 20 53	7.00	2.00	2.0	.700	1,000	N	N
435851	65 5 39	146 20 49	7.00	2.00	3.0	1.000	1,500	N	N
435852	65 5 8	146 20 30	7.00	2.00	5.0	1.000	2,000	N	N
435853	65 2 3	146 22 30	10.00	2.00	2.0	.700	2,000	N	N
435854	65 1 37	146 22 23	10.00	2.00	3.0	1.000	1,500	N	N
435855	65 1 50	146 15 11	7.00	2.00	3.0	1.000	1,500	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435792	100	1,000	5.0	<10	15	100	20	200	<5	20
435793	100	1,500	3.0	N	20	100	20	500	<5	20
435794	150	2,000	1.5	N	20	100	30	50	N	<20
435795	100	1,500	2.0	N	20	100	20	50	N	<20
435797	100	1,500	1.5	N	20	150	30	70	N	<20
435798	100	1,500	1.5	N	15	100	30	70	N	<20
435799	100	1,500	1.5	N	15	150	50	50	N	<20
435800	100	1,000	2.0	N	15	100	15	50	<5	<20
435817	100	1,000	1.0	N	15	200	15	50	N	<20
435818	100	1,000	1.0	N	10	200	15	70	<5	<20
435819	100	1,000	<1.0	N	10	200	20	70	N	<20
435820	100	1,500	1.0	N	20	200	30	70	N	<20
435821	70	500	<1.0	N	15	150	30	50	N	N
435822	70	1,000	<1.0	N	20	200	50	50	N	<20
435823	100	700	<1.0	N	15	200	50	50	N	<20
435824	100	1,000	<1.0	N	20	150	50	50	N	<20
435825	100	1,500	<1.0	N	15	200	15	70	N	<20
435826	100	500	1.0	N	30	200	30	70	N	<20
435827	70	1,000	<1.0	N	15	200	15	50	N	<20
435828	100	1,000	<1.0	N	15	200	20	50	N	<20
435829	100	1,500	<1.0	N	15	100	10	50	N	<20
435830	70	700	<1.0	N	15	150	15	50	N	<20
435831	100	1,000	<1.0	N	15	200	10	50	N	<20
435832	70	1,500	<1.0	N	20	200	20	50	N	<20
435835	20	700	1.0	N	7	70	15	50	N	N
435836	<10	200	<1.0	N	<5	30	15	30	N	N
435837	100	1,500	1.5	N	15	200	15	50	<5	20
435838	70	1,000	1.0	N	15	150	20	50	N	<20
435839	70	1,000	<1.0	N	20	200	15	50	N	<20
435840	50	2,000	1.0	N	20	200	15	70	N	<20
435841	100	1,500	1.0	N	15	200	20	50	N	<20
435842	200	1,500	<1.0	N	20	200	30	70	N	<20
435843	50	1,500	<1.0	N	15	150	15	50	N	N
435844	100	1,500	<1.0	N	15	200	15	50	N	<20
435845	70	1,500	1.0	N	20	200	20	70	N	<20
435846	100	1,000	<1.0	N	10	200	15	30	<5	N
435847	100	1,500	<1.0	N	10	150	10	50	N	<20
435848	70	1,000	<1.0	N	15	200	15	70	N	<20
435849	150	2,000	1.0	N	15	200	30	70	<5	<20
435850	100	1,500	<1.0	N	15	200	30	50	N	<20
435851	70	1,500	<1.0	N	15	150	15	50	N	<20
435852	70	1,000	<1.0	N	15	200	10	50	N	<20
435853	100	2,000	1.0	N	15	200	30	50	<5	<20
435854	100	2,000	1.0	N	15	200	15	50	N	<20
435855	70	2,000	1.0	N	20	300	30	70	N	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435792	30	50	30	50	150	100	N	150	N	700	<100
435793	30	100	30	20	100	100	N	150	N	1,000	200
435794	30	50	30	N	150	150	N	50	N	300	N
435795	50	50	20	N	150	150	N	50	N	200	N
435797	50	70	30	<10	200	150	N	50	N	500	N
435798	30	100	20	10	200	150	N	50	N	300	N
435799	30	50	20	15	200	150	N	50	N	200	N
435800	50	20	10	10	200	100	N	50	N	500	N
435817	30	20	10	<10	200	100	N	30	N	200	N
435818	30	30	20	N	200	150	N	50	N	500	N
435819	20	30	20	N	150	150	N	50	N	500	N
435820	30	30	20	N	200	150	N	50	<200	500	N
435821	30	20	15	N	100	100	N	30	N	300	N
435822	30	20	20	N	150	200	N	30	N	200	N
435823	30	20	20	N	150	100	N	30	N	500	N
435824	30	20	30	N	150	150	N	70	N	300	N
435825	30	20	20	N	200	100	N	50	N	300	N
435826	50	30	20	N	200	200	N	50	N	300	N
435827	30	20	15	N	300	150	N	30	N	500	N
435828	30	20	20	N	300	150	N	50	N	500	N
435829	20	30	20	N	300	150	N	30	N	700	N
435830	30	20	15	N	200	100	N	20	N	500	N
435831	30	20	20	N	300	100	N	50	N	700	N
435832	30	30	20	N	300	150	N	50	N	500	N
435835	20	15	15	N	<100	100	N	30	N	100	N
435836	20	<10	7	N	N	30	N	20	N	50	N
435837	30	30	20	N	300	150	N	70	N	500	N
435838	30	30	20	N	200	100	N	30	N	300	N
435839	30	20	20	N	200	100	N	30	N	500	N
435840	30	50	20	N	300	200	N	30	N	300	N
435841	30	20	20	N	300	150	N	50	N	700	N
435842	50	50	20	N	500	150	N	50	N	300	N
435843	30	30	15	N	150	150	N	30	N	700	N
435844	30	20	20	N	200	150	N	30	N	500	N
435845	50	30	20	N	300	150	N	50	N	500	N
435846	30	20	15	N	100	100	N	30	N	>1,000	N
435847	20	30	15	N	200	150	N	30	N	1,000	N
435848	30	20	15	N	100	100	N	20	N	300	N
435849	50	30	20	N	300	150	N	50	N	500	N
435850	30	30	15	N	200	150	N	30	N	500	N
435851	20	20	15	N	200	150	N	30	N	700	N
435852	20	20	20	N	300	100	N	30	N	700	N
435853	30	50	20	N	200	150	N	30	N	300	N
435854	30	30	20	N	300	150	N	50	N	700	N
435855	30	30	20	N	300	150	N	50	N	500	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGODD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435856	65 1 32	146 14 18	7.00	2.00	3.0	1.000	1,500	N	N
435857	65 36 11	146 56 8	7.00	2.00	.5	.700	1,000	<.5	N
435858	65 35 17	146 57 25	7.00	1.50	1.5	.700	1,500	<.5	N
435859	65 35 22	146 56 13	7.00	1.50	.7	.500	1,000	1.0	N
435861	65 33 6	146 57 33	7.00	1.50	2.0	.700	2,000	N	N
435862	65 31 46	146 56 25	5.00	1.50	.7	.700	500	N	N
435864	65 27 46	146 57 15	5.00	1.50	.7	.700	700	N	N
435867	65 25 3	146 58 5	10.00	2.00	2.0	1.000	1,000	N	N
435868	65 25 27	146 58 15	7.00	1.50	.5	1.000	1,000	N	N
435869	65 22 49	146 59 2	7.00	1.50	3.0	1.000	700	N	N
435870	65 20 0	146 59 16	7.00	1.50	3.0	1.000	700	N	N
435871	65 20 16	146 58 8	5.00	1.50	2.0	1.000	1,000	N	N
435872	65 19 17	146 57 11	7.00	1.50	3.0	1.000	700	N	N
435873	65 18 32	146 57 24	10.00	2.00	3.0	1.000	2,000	N	N
435874	65 18 6	146 57 32	7.00	1.50	3.0	1.000	1,000	N	N
435875	65 16 53	146 55 33	5.00	1.50	2.0	>1.000	700	N	N
435876	65 16 32	146 56 4	5.00	1.50	2.0	1.000	500	N	N
435877	65 14 49	146 57 36	10.00	3.00	5.0	>1.000	2,000	N	N
435878	65 15 2	146 56 30	10.00	2.00	3.0	>1.000	1,000	N	N
435879	65 13 44	146 59 44	10.00	2.00	3.0	1.000	1,000	N	N
435880	65 11 48	146 57 15	10.00	2.00	3.0	1.000	2,000	N	N
435881	65 11 23	146 56 45	10.00	1.50	2.0	.700	2,000	N	N
435882	65 11 17	146 58 20	10.00	1.50	3.0	.700	500	N	N
435883	65 10 23	146 59 12	7.00	1.50	3.0	1.000	1,000	N	N
435884	65 11 11	146 54 33	7.00	1.50	3.0	1.000	1,000	N	N
435914	65 13 17	146 46 27	7.00	1.50	2.0	>1.000	1,000	N	N
435915	65 13 50	146 46 44	7.00	1.50	1.5	1.000	3,000	N	N
435916	65 13 9	146 46 55	7.00	1.50	2.0	1.000	2,000	N	N
435917	65 16 49	146 38 47	10.00	2.00	2.0	1.000	1,000	N	N
435918	65 16 23	146 38 27	10.00	1.50	3.0	1.000	1,000	N	N
435919	65 15 51	146 41 38	7.00	1.50	.7	1.000	1,000	N	N
435920	65 15 24	146 43 50	7.00	1.50	5.0	1.000	1,000	N	N
435921	65 15 32	146 44 35	10.00	2.00	2.0	1.000	1,000	N	N
435922	65 16 20	146 43 53	10.00	2.00	3.0	1.000	1,000	N	N
435923	65 19 50	146 46 27	5.00	1.50	.5	1.000	700	N	N
435924	65 20 53	146 47 11	5.00	1.50	1.5	1.000	500	N	N
435925	65 20 54	146 48 15	5.00	1.50	1.5	1.000	500	N	N
435926	65 23 24	146 46 32	7.00	1.50	.7	1.000	1,000	N	N
435927	65 23 43	146 45 50	5.00	1.50	1.5	1.000	1,500	N	N
435928	65 25 0	146 48 15	5.00	1.50	1.0	1.000	700	N	N
435929	65 24 42	146 48 43	5.00	1.50	1.0	1.000	1,000	N	N
435930	65 25 54	146 47 4	5.00	1.50	1.5	1.000	1,500	1.0	N
435931	65 26 11	146 45 46	5.00	1.50	2.0	1.000	1,000	N	N
435932	65 28 48	146 48 21	5.00	1.50	.5	1.000	700	N	N
435933	65 29 9	146 48 38	7.00	2.00	1.5	1.000	1,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435856	100	1,500	<1.0	N	15	150	20	50	N	<20
435857	100	2,000	1.0	N	20	300	50	70	5	<20
435858	100	1,500	3.0	N	20	150	50	70	N	<20
435859	100	1,000	15.0	20	15	150	70	70	10	<20
435861	100	1,000	<1.0	N	20	200	20	70	<5	<20
435862	70	1,000	<1.0	N	20	300	15	50	N	<20
435864	50	700	<1.0	N	15	150	10	50	N	N
435867	100	1,500	1.0	N	10	200	30	50	N	N
435868	70	500	1.0	N	15	150	30	50	N	N
435869	70	1,000	<1.0	N	15	150	20	50	N	<20
435870	70	1,000	1.0	N	15	200	15	50	N	<20
435871	100	700	<1.0	N	15	150	10	50	N	<20
435872	70	1,000	<1.0	N	15	200	15	30	N	<20
435873	70	1,500	<1.0	N	20	300	20	70	N	<20
435874	70	1,500	<1.0	N	15	200	15	50	N	N
435875	100	1,000	1.0	N	10	150	15	50	N	<20
435876	70	1,000	<1.0	N	10	150	10	30	N	<20
435877	70	700	N	N	15	200	30	N	N	<20
435878	100	500	<1.0	N	20	200	50	N	N	<20
435879	100	1,500	<1.0	N	20	200	30	70	N	N
435880	70	1,000	<1.0	N	30	200	30	70	N	<20
435881	70	700	<1.0	N	20	200	15	30	N	N
435882	70	1,000	1.0	N	15	300	30	50	N	N
435883	70	1,000	1.0	N	15	200	20	50	N	N
435884	70	1,000	1.0	N	15	200	20	50	N	N
435914	150	1,000	1.0	N	20	200	15	70	N	20
435915	100	1,000	1.0	N	30	200	20	70	N	<20
435916	150	1,500	1.0	N	20	200	20	70	N	<20
435917	100	1,000	1.0	N	20	200	50	50	N	<20
435918	100	700	1.0	N	20	150	30	50	N	<20
435919	100	1,000	1.0	N	20	150	20	50	N	<20
435920	100	700	1.0	N	20	100	30	30	N	<20
435921	100	1,000	1.0	N	20	150	50	50	N	<20
435922	100	700	<1.0	N	20	100	30	30	N	<20
435923	150	700	1.0	N	15	50	15	30	N	20
435924	100	1,000	1.0	N	15	100	15	50	N	<20
435925	100	1,000	1.0	N	15	100	15	70	N	<20
435926	150	700	1.5	N	20	70	20	70	N	<20
435927	150	1,000	1.5	N	15	100	15	70	N	<20
435928	150	700	1.5	N	15	70	15	70	N	20
435929	150	700	1.0	N	15	70	20	70	N	<20
435930	100	1,000	1.0	N	20	100	20	70	N	20
435931	100	1,000	1.0	N	20	150	20	70	N	<20
435932	100	700	1.0	N	15	100	20	50	N	20
435933	100	1,000	1.0	N	20	200	30	70	N	20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435856	30	20	20	N	300	100	N	30	N	500	N
435857	70	100	30	<10	200	150	N	50	200	300	N
435858	50	70	20	<10	200	100	N	100	200	200	N
435859	50	100	20	15	100	100	N	70	300	300	N
435861	50	50	20	N	200	100	N	30	<200	300	N
435862	50	20	20	N	150	100	N	30	N	200	N
435864	20	20	15	N	100	100	N	20	N	300	N
435867	50	30	20	N	200	150	N	50	N	500	N
435868	30	20	20	N	100	150	N	30	N	500	N
435869	30	20	20	N	200	150	N	30	N	500	N
435870	30	20	20	N	200	150	N	30	N	300	N
435871	30	15	15	N	150	100	N	30	N	300	N
435872	30	20	15	N	200	150	N	50	N	700	N
435873	50	30	20	N	200	200	N	50	N	700	N
435874	30	20	20	N	200	150	N	50	N	500	N
435875	30	20	20	N	200	100	N	50	N	1,000	N
435876	30	20	15	N	200	100	N	30	N	300	N
435877	30	20	30	N	<100	150	N	20	N	500	N
435878	50	20	30	N	100	100	N	50	N	1,000	N
435879	50	30	30	N	200	100	N	50	N	700	N
435880	70	20	30	N	150	150	N	50	N	300	N
435881	30	20	15	N	150	100	N	20	N	300	N
435882	30	30	30	N	200	150	N	50	N	200	N
435883	30	20	20	N	300	150	N	30	N	500	N
435884	50	20	20	N	200	150	N	50	N	700	N
435914	50	30	20	N	200	150	N	50	N	700	N
435915	50	30	20	<10	200	100	N	50	N	200	N
435916	50	30	20	N	200	150	N	50	N	700	N
435917	50	30	20	N	200	150	N	50	N	300	N
435918	30	20	20	N	150	150	N	50	N	300	N
435919	50	20	20	N	200	150	N	30	N	500	N
435920	30	20	20	N	150	150	N	30	N	300	N
435921	50	30	20	N	150	200	N	30	N	300	N
435922	30	20	20	N	150	200	N	50	N	500	N
435923	20	20	7	N	150	70	N	20	N	300	N
435924	30	30	15	N	200	100	N	30	N	500	N
435925	30	20	15	N	200	100	N	70	N	500	N
435926	30	20	15	<10	150	100	N	50	N	300	N
435927	30	20	15	20	200	100	N	70	N	500	N
435928	30	30	15	10	200	100	N	50	N	700	N
435929	30	15	15	30	150	100	N	50	N	500	N
435930	50	30	20	N	200	100	N	50	N	500	N
435931	50	20	20	N	300	150	N	50	N	300	N
435932	30	20	10	N	150	100	N	30	N	300	N
435933	50	30	20	N	200	150	N	50	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435934	65 29 48	146 45 48	5.00	1.50	1.5	1.000	700	N	N
435935	65 30 59	146 43 49	5.00	1.50	1.0	1.000	700	N	N
435936	65 31 18	146 44 25	5.00	1.50	1.0	1.000	700	N	N
435937	65 31 59	146 45 34	5.00	2.00	2.0	1.000	1,000	2.0	N
435938	65 32 31	146 42 15	5.00	1.50	1.0	1.000	700	N	N
435939	65 32 39	146 43 8	5.00	1.50	1.0	1.000	1,000	N	N
435940	65 33 12	146 43 11	5.00	1.50	1.0	.700	1,000	N	N
435941	65 33 45	146 47 3	5.00	1.50	1.5	1.000	1,500	N	N
435942	65 34 35	146 45 33	5.00	1.50	2.0	1.000	1,500	.5	N
435944	65 35 18	146 45 33	3.00	1.00	1.5	.700	1,000	.5	N
435945	65 36 6	146 45 26	5.00	1.50	.5	1.000	1,500	N	N
435947	65 37 18	146 43 28	5.00	1.50	1.0	.700	1,000	<.5	N
435948	65 37 32	146 44 2	5.00	1.50	1.0	1.000	1,000	1.0	N
435949	65 39 41	146 43 51	2.00	1.00	2.0	.500	700	N	N
435950	65 40 8	146 44 39	5.00	1.50	1.0	1.000	1,000	<.5	N
435951	65 42 6	146 43 13	5.00	1.50	2.0	1.000	1,500	N	N
435952	65 41 39	146 43 32	5.00	2.00	2.0	.700	2,000	N	N
435953	65 44 9	146 46 13	2.00	.70	2.0	.500	200	N	N
435954	65 39 29	146 38 13	3.00	1.50	2.0	1.000	1,500	N	N
435955	65 39 11	146 38 0	5.00	1.50	2.0	1.000	1,500	N	N
435956	65 36 33	146 40 23	5.00	2.00	1.0	1.000	1,000	<.5	N
435957	65 36 23	146 39 33	5.00	2.00	2.0	1.000	1,000	N	N
435958	65 34 54	146 39 21	3.00	1.50	1.5	1.000	500	N	N
435959	65 34 56	146 38 14	5.00	1.50	1.0	1.000	500	N	N
435960	65 34 1	146 39 3	5.00	1.50	1.5	.700	700	N	N
435961	65 30 52	146 40 5	1.00	.15	.7	.100	500	<.5	N
435962	65 28 36	146 42 33	3.00	1.00	1.0	.500	500	N	N
435963	65 26 54	146 42 1	10.00	1.50	3.0	1.000	1,000	N	N
435964	65 26 17	146 41 58	7.00	1.50	3.0	1.000	1,000	N	N
435965	65 24 24	146 38 35	7.00	1.50	1.5	1.000	1,000	N	N
435966	65 24 35	146 39 11	10.00	1.50	2.0	1.000	1,000	N	N
435967	65 22 24	146 40 28	1.50	.30	2.0	.200	700	N	N
435968	65 20 53	146 40 0	10.00	1.50	.3	1.000	1,000	N	N
435969	65 18 3	146 40 17	10.00	2.00	3.0	>1.000	1,000	N	N
435970	65 18 11	146 32 52	15.00	2.00	1.5	1.000	1,500	N	N
435971	65 19 0	146 28 13	10.00	2.00	2.0	1.000	1,000	N	N
435972	65 21 44	146 29 25	7.00	1.50	1.0	1.000	1,000	N	N
435973	65 21 33	146 28 18	10.00	2.00	1.0	1.000	1,500	N	N
435974	65 23 47	146 25 6	7.00	1.50	1.0	1.000	1,000	N	N
435975	65 24 11	146 25 2	7.00	1.50	.7	.700	1,500	N	N
435976	65 24 1	146 22 6	10.00	1.50	1.0	1.000	1,500	N	N
435977	65 24 4	146 21 46	10.00	2.00	2.0	1.000	2,000	N	N
435978	65 26 57	146 19 41	7.00	1.50	2.0	.700	3,000	N	N
435979	65 27 39	146 20 15	5.00	1.50	.5	.700	2,000	N	N
435980	65 27 23	146 25 28	7.00	2.00	1.0	1.000	2,000	N	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435934	100	1,000	1.0	N	15	100	20	70	N	<20
435935	150	700	5.0	N	15	100	15	70	N	20
435936	150	700	1.5	N	15	150	15	50	<5	20
435937	100	1,500	1.0	N	15	150	20	50	N	<20
435938	100	700	1.0	N	15	100	15	70	N	<20
435939	100	1,000	2.0	N	15	100	20	70	N	<20
435940	100	1,500	1.0	N	15	100	20	70	N	<20
435941	100	1,500	3.0	N	20	200	30	70	<5	<20
435942	70	1,000	15.0	N	15	200	30	100	5	20
435944	50	700	30.0	<10	10	70	20	50	<5	<20
435945	150	1,000	1.0	N	15	100	20	50	N	<20
435947	100	1,000	5.0	<10	10	100	20	200	<5	20
435948	70	1,000	10.0	<10	15	100	20	100	<5	<20
435949	50	700	7.0	N	7	50	15	100	<5	N
435950	200	700	2.0	N	15	70	20	50	N	<20
435951	100	1,500	3.0	N	20	100	30	100	N	20
435952	100	1,500	3.0	N	20	100	50	100	N	<20
435953	30	1,000	<1.0	N	N	50	15	N	N	N
435954	100	1,500	5.0	N	15	100	30	200	N	20
435955	70	1,500	<1.0	N	20	150	20	70	N	N
435956	100	1,500	2.0	N	20	200	50	100	N	<20
435957	100	1,500	2.0	N	15	150	30	200	N	20
435958	70	1,000	1.0	N	15	100	20	100	N	<20
435959	100	1,000	1.0	N	15	100	20	70	N	<20
435960	50	700	1.5	N	10	100	15	30	N	N
435961	10	300	1.5	N	N	20	20	N	N	N
435962	70	700	1.5	N	10	50	15	30	N	N
435963	100	1,000	1.5	N	20	200	30	70	N	20
435964	150	1,000	1.0	N	15	150	20	70	N	20
435965	150	1,000	2.0	N	15	150	20	50	N	<20
435966	150	1,500	1.5	N	20	150	20	70	N	<20
435967	20	500	1.0	N	N	20	10	50	N	N
435968	200	1,000	1.5	N	15	100	20	50	N	<20
435969	70	700	<1.0	N	20	150	70	30	N	N
435970	100	1,500	1.0	N	30	200	70	50	N	<20
435971	100	700	<1.0	N	20	150	50	30	N	N
435972	100	1,000	1.0	N	15	70	15	70	N	<20
435973	200	1,500	1.0	N	20	150	30	70	N	<20
435974	150	1,000	1.5	N	20	100	30	70	N	<20
435975	300	1,000	2.0	N	10	50	15	50	N	<20
435976	200	1,000	2.0	N	15	100	20	50	N	20
435977	200	1,500	1.5	N	20	200	20	50	<5	<20
435978	50	1,500	1.0	N	20	150	15	70	N	N
435979	200	700	7.0	N	15	100	15	70	N	20
435980	100	1,000	5.0	N	15	150	30	70	N	<20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435934	30	20	20	N	200	100	N	50	N	300	N
435935	30	20	15	N	150	100	N	70	N	500	N
435936	30	30	20	<10	200	100	N	50	N	500	N
435937	30	30	20	N	200	150	N	50	N	300	N
435938	30	20	20	N	200	100	N	30	N	500	N
435939	30	50	20	15	150	100	N	70	N	300	N
435940	30	30	20	N	150	100	N	50	N	300	N
435941	50	30	30	N	200	150	N	70	N	700	N
435942	50	100	20	15	200	150	N	100	500	700	<100
435944	20	100	15	<10	100	100	N	70	300	300	<100
435945	30	30	15	N	150	70	N	50	N	300	N
435947	20	50	20	70	100	100	N	150	N	1,000	100
435948	30	70	20	10	200	100	N	100	200	300	<100
435949	20	20	15	N	200	70	N	70	N	200	N
435950	20	50	15	15	150	70	N	50	N	700	N
435951	30	70	20	N	200	100	N	100	N	700	N
435952	30	70	20	10	200	100	N	100	N	500	N
435953	15	10	10	N	200	70	N	20	N	150	N
435954	30	70	20	<10	200	100	N	100	N	500	<100
435955	50	20	20	N	200	100	N	50	N	200	N
435956	50	100	30	10	100	100	N	100	200	300	N
435957	30	100	20	N	200	100	N	100	<200	700	N
435958	30	20	20	N	150	100	N	50	N	300	N
435959	30	30	20	N	150	100	N	30	N	300	N
435960	30	20	10	N	150	100	N	50	N	200	N
435961	20	10	7	N	N	70	N	20	N	70	N
435962	20	15	10	N	100	100	N	20	N	150	N
435963	50	30	20	N	300	150	N	50	N	300	N
435964	30	30	15	<10	200	100	N	70	N	500	<100
435965	30	30	15	15	150	100	N	70	N	300	N
435966	30	20	20	<10	200	150	N	70	N	500	N
435967	10	<10	7	N	100	50	N	50	N	200	N
435968	30	20	15	N	150	100	N	30	N	500	N
435969	50	15	30	N	150	300	N	50	N	500	N
435970	50	30	30	N	200	300	N	50	N	500	N
435971	30	20	30	N	100	150	N	30	N	500	N
435972	30	20	15	N	150	100	N	30	N	500	N
435973	50	50	20	N	200	150	N	50	N	500	N
435974	50	30	20	N	200	150	N	50	N	500	N
435975	20	30	20	70	150	100	N	30	N	300	N
435976	20	30	15	50	200	100	N	70	N	700	N
435977	30	50	20	10	200	150	N	50	N	500	N
435978	30	30	20	<10	200	150	N	30	N	300	N
435979	20	20	15	50	150	70	N	100	N	500	N
435980	50	30	20	15	200	100	N	50	N	300	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s
435981	65 29 9	146 23 42	7.00	1.50	.5	>1.000	1,000	N	N
435982	65 29 25	146 24 55	10.00	2.00	.5	1.000	2,000	N	N
435983	65 30 38	146 20 49	7.00	1.50	.5	>1.000	1,500	N	N
435984	65 30 15	146 20 41	7.00	1.50	.7	1.000	2,000	N	N
435985	65 31 11	146 22 5	7.00	1.50	1.0	.700	1,500	N	N
435986	65 31 4	146 23 44	7.00	1.50	.5	>1.000	1,500	N	N
435987	65 26 39	146 14 16	7.00	1.50	.5	>1.000	1,500	N	N
435988	65 25 28	146 14 3	3.00	1.00	.7	.700	500	N	N
435989	65 25 22	146 15 20	10.00	1.50	.3	1.000	1,500	N	N
435990	65 24 41	146 12 42	7.00	1.50	.7	1.000	2,000	N	N
435991	65 24 7	146 15 46	7.00	2.00	1.0	1.000	2,000	5.0	N
435992	65 23 56	146 17 8	10.00	2.00	1.5	1.000	1,500	N	N
435993	65 21 28	146 20 29	10.00	2.00	.7	1.000	1,000	N	N
435994	65 22 4	146 20 44	7.00	1.50	2.0	1.000	1,000	N	N
435995	65 21 37	146 16 54	7.00	1.50	2.0	1.000	1,500	N	N
435996	65 21 29	146 9 34	7.00	2.00	.5	1.000	1,500	N	N
435997	65 18 33	146 17 29	7.00	2.00	1.0	1.000	1,000	N	N
435998	65 19 4	146 21 48	10.00	2.00	2.0	1.000	1,500	N	N
435999	65 18 48	146 21 15	7.00	2.00	.7	.700	2,000	N	N
436000	65 16 48	146 35 17	5.00	1.50	1.0	1.000	1,000	.5	N

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s
435981	200	700	2.0	N	15	150	20	50	<5	20
435982	70	1,500	1.0	N	30	150	50	50	N	<20
435983	200	1,000	2.0	N	15	50	20	50	N	20
435984	70	700	1.0	N	10	70	15	30	N	<20
435985	150	1,000	2.0	N	15	100	20	70	N	N
435986	100	700	1.0	N	15	100	20	50	N	20
435987	150	700	<1.0	N	15	70	20	30	N	20
435988	70	700	1.0	N	7	70	20	50	<5	N
435989	150	1,000	1.0	N	20	70	220	30	N	<20
435990	150	1,500	<1.0	N	20	100	20	70	N	N
435991	100	1,000	1.5	N	20	70	50	30	N	N
435992	100	1,000	1.0	N	30	150	50	50	N	<20
435993	150	1,500	1.0	N	20	200	50	50	N	20
435994	150	1,000	1.5	N	15	150	20	50	N	<20
435995	100	1,000	1.0	N	20	200	30	50	N	<20
435996	150	1,000	1.0	N	20	150	30	50	N	20
435997	150	700	1.0	N	20	150	50	50	N	20
435998	100	700	1.0	N	20	200	50	50	N	N
435999	100	1,000	1.0	N	20	200	30	50	N	N
436000	100	1,000	1.0	N	15	100	30	50	N	20

TABLE 2.--RESULTS OF SPECTROGRAPHIC ANALYSES OF NURE STREAM-SEDIMENT SAMPLES FROM THE LIVENGOOD
AND WESTERN 1/3 OF THE CIRCLE QUADRANGLES, ALASKA--Continued

Sample	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
435981	30	50	10	30	150	100	N	100	N	700	N
435982	50	50	20	N	150	200	N	50	N	500	N
435983	20	30	15	<10	200	70	N	70	N	700	N
435984	20	30	10	N	150	100	N	50	N	500	N
435985	30	20	15	N	200	100	N	50	N	300	N
435986	30	30	15	N	150	100	N	50	N	700	N
435987	30	20	10	N	150	70	N	50	N	1,000	N
435988	20	30	15	N	<100	150	N	50	N	500	N
435989	30	30	10	N	200	100	N	30	N	500	N
435990	30	30	15	N	300	100	N	150	N	200	N
435991	30	50	15	N	150	150	N	50	N	500	N
435992	50	30	20	N	200	200	N	50	N	500	N
435993	50	30	15	N	200	150	N	50	N	300	N
435994	30	30	20	N	200	150	N	50	N	1,000	N
435995	30	30	15	N	200	200	N	50	N	700	N
435996	30	50	20	<10	150	150	N	50	N	500	N
435997	30	50	15	N	150	150	N	50	N	700	N
435998	50	20	20	N	300	150	N	50	N	300	N
435999	50	30	20	N	200	100	N	50	N	200	N
436000	50	20	20	N	150	100	N	30	N	500	N