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Analytical results and sample locality map of
stream-sediment, and heavy-mineral-concentrate samples
from the Payette Crest, Secesh, and South Fork Roadless Study
Areas, Valley and Idaho Counties, Idaho

By

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STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts requires the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. 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 Payette Crest, Secesh, and South Fork Roadless Areas in the Payette National Forest, Valley and Idaho Counties, Idaho. The Payette Crest, Secesh, and South Fork Roadless Areas were classified as further planning areas during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

In June-August 1990, the U.S. Geological Survey conducted reconnaissance geochemical surveys of the Payette Crest, Secesh, and South Fork Roadless Study Areas (RSA's) in Valley and Idaho Counties, Idaho.

The Payette Crest, Secesh, and South Fork RSA's comprise about 135 sq mi (351 sq km, 86,500 acres), 276 sq mi (717 sq km, 176,600 acres), and 85 sq mi (220 sq km, 54,200 acres), respectively, in northwestern Valley County, with a small part of the Secesh Study Area extending northward into Idaho County, Idaho, and lie, as a group, between about 80-116 mi (129-187 km) north of Boise, Idaho, and between about 8-40 mi (13-64 km) northeast of McCall, Idaho (fig. 1). Access to the Secesh Study Area is provided on the north by the Warren Wagon Road, leading from McCall to Warren, and by the road continuing from Warren to Big Creek and Edwardsburg, via Elk Summit, and on the south and east by the road from McCall to Edwardsburg, via Lick Creek Summit and Yellow Pine. The portion of the latter road from McCall to Yellow Pine provides access to northern parts of the Payette Crest and South Fork Study Areas. Further access to the South Fork Study Area is provided by the road along the South Fork Salmon River which passes north-south between eastern and western parts of the study area. Limited access to the western part of the Payette Crest Study Area is provided by roads to campgrounds.

The region of the study areas is underlain by Cretaceous granitic rocks, including muscovite-biotite granite, porphyritic biotite granite, and biotite granodiorite, of the Atlanta lobe of the extensive Idaho batholith. Tertiary plutons intrude the Cretaceous rocks in the eastern end of the Secesh Study Area and in the west-central part of the Payette Crest Study Area. These and/or related rock units occurring in the Challis 1x2 degree quadrangle, wherein the southern parts, south of 45 degrees latitude, of all three study areas are located, have been described in detail in various articles edited by McIntyre (1985), and by Fisher and Johnson (1987). A description of the

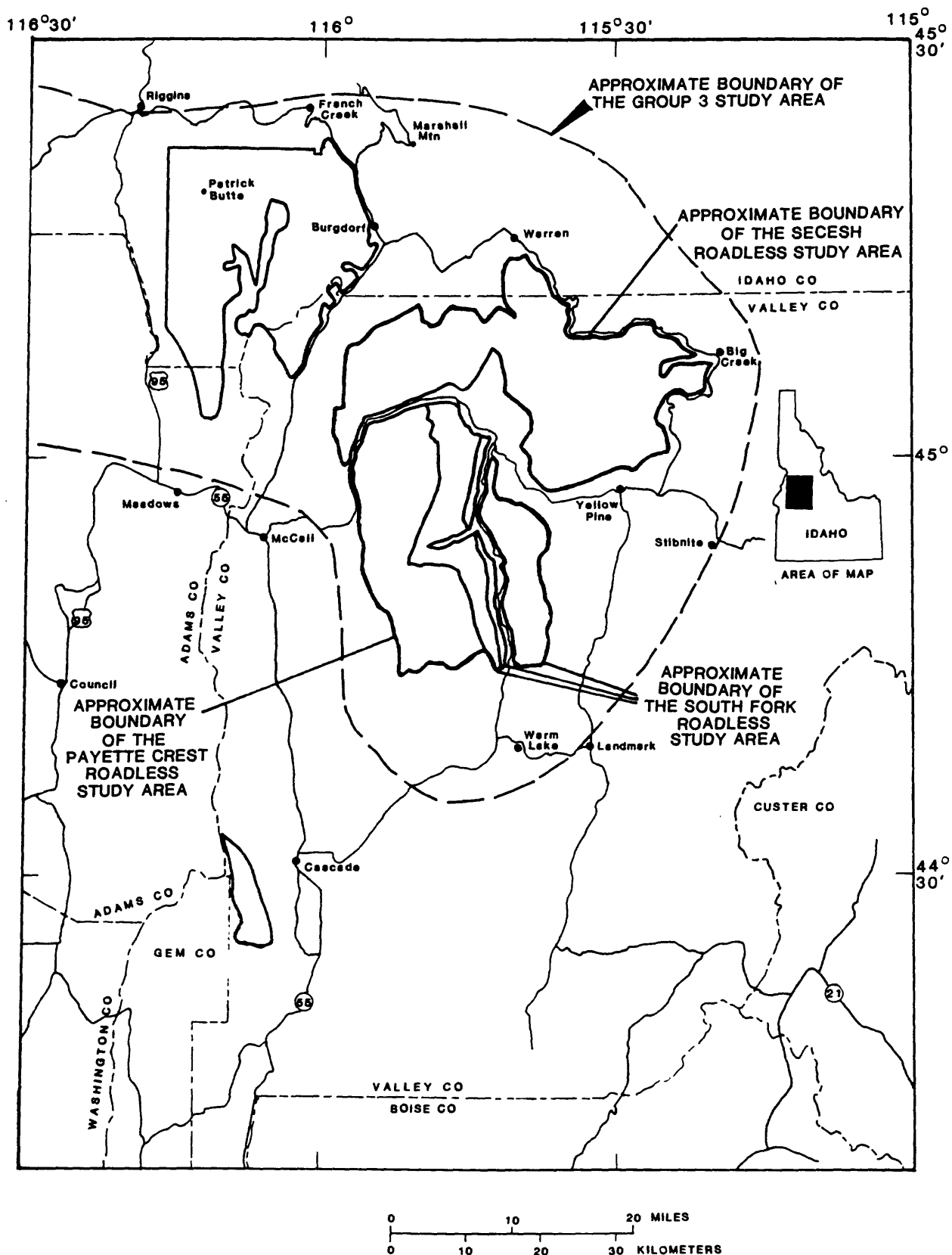


Figure 1.--Location of the Payette Crest, Secesh, and Southern Fork Roadless Study Areas, Valley and Idaho Counties, Idaho.

Idaho batholith and associated plutons is given by Hyndman (1983).

The topographic relief of the combined area of the three study areas is about 6,100 ft (1,859 m) with a maximum elevation of 9,322 ft (2,841 m) at the summit of North Loon Mountain, in the western part of the Secesh Study Area. The study areas are entirely mountainous and are rugged to very rugged. Summers are usually hot and dry. Most precipitation falls in winter as snow.

METHODS OF STUDY

Sample Media

Analyses of the stream-sediment samples represent the chemical composition 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.

Heavy-mineral-concentrate samples provide information about the chemistry of a limited number of minerals in rock material eroded from the drainage basin upstream from each sample site. The selective concentration of minerals, many of which may be ore related, permits determination of some elements that are not easily detected in stream-sediment samples.

Sample Collection

Samples were collected at a total of 156 sites (plate 1). At all but two sites, both a stream-sediment sample and a heavy-mineral-concentrate sample were collected. Sampling density was about one sample site per 3.2 square miles. The area of the drainage basins sampled ranged from 0.2 to 10 square miles. Sufficient heavy-mineral-concentrate for spectrographic analysis (5 mg) was not recovered from sample sites SE081C3 and PC011C3.

Stream-sediment samples

The stream-sediment samples consisted of active alluvium collected primarily from first-order (unbranched) and second-order (below the junction of two first-order) stream as shown on USGS topographic maps (scale = 1:24,000). Each sample was composited from several localities within an area that may extend as much as 50 feet from the center of the site symbol plotted on the map.

Heavy-mineral-concentrate samples

Heavy-mineral-concentrate samples were collected from the same active alluvium as the stream-sediment samples. Each bulk sample was screened with a 2.0-mm (10-mesh) screen to remove the coarse material. The less than 2.0-mm fraction was panned until

most of the quartz, feldspar, organic material, and clay-sized material were removed.

Sample Preparation

The stream-sediment samples were air dried, then sieved using 80-mesh (0.17-mm) stainless-steel sieves. The portion of the sediment passing through the sieve was saved for analysis.

Samples that had been panned in the field were air dried and sieved to -35 mesh; bromoform (specific gravity 2.85) was used to remove the remaining quartz and feldspar. The resultant heavy-mineral sample was separated into three fractions using a large electromagnet by placing the sample in contact with the face of the magnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material (removed at a setting of 0.25 ampere), primarily magnetite, was not analyzed. The second fraction (removed at a setting of 1.75 ampere), largely ferromagnesian silicates and iron oxides, was saved for archival storage. The third fraction (the nonmagnetic material which may include the nonmagnetic ore minerals, zircon, sphene, etc.) was split using a Jones splitter. One split was hand ground for spectrographic analysis; the other split was saved for mineralogical analysis. (These magnetic separates are the same separates that would be produced by using a Frantz Isodynamic Separator set at a slope of 15 degrees and a tilt of 10 degrees with a current of 0.2 ampere to remove the magnetite and ilmenite, and a current of 0.6 ampere to split the remainder of the sample into paramagnetic and nonmagnetic fractions.)

Sample Analysis

Spectrographic Method

Stream-sediment samples were analyzed for 35 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). Heavy-mineral-concentrate samples were analyzed for those 35 elements plus platinum and palladium. 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 intervals at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, sodium, phosphorus, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical data are listed in tables 3-8.

Other Methods

The stream-sediment samples from the RSA's were also analyzed by inductively coupled plasma emission spectroscopy (ICP) and atomic absorption spectroscopy (AA). Silver (Ag), arsenic (As), gold (Au), bismuth (Bi), cadmium (Cd), copper (Cu), molybdenum (Mo), lead (Pb), antimony (Sb), and zinc (Zn) were analyzed by ICP, and gold (Au) and mercury (Hg) were analyzed by AA. Limits of determination and references are listed in table 2. Analytical results using these methods are listed in tables 3, 5, and 7.

DATA STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a U.S. Geological Survey computer data base called PLUTO. 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 (Van Trump and Miesch, 1977).

DESCRIPTION OF DATA TABLES

Tables 3-8 list the results of analyses for the stream-sediment and heavy-mineral-concentrate samples. For these tables, the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers correspond to the numbers shown on plate 1. Columns in which the element headings show the letter "s" following the element symbol indicate emission spectrographic analyses, "icp" indicates inductively couple plasma analyses, and "aa" indicates atomic absorption analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination (LLD) shown for that element in table 1. For emission spectrographic and AA analyses, a "less than" symbol (<) entered in the tables in front of the LLD indicates that an element was observed but was below the lowest reporting value. 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. If an element was not looked for in a sample, two dashes (--) are entered in the tables in place of the analytical value. Because of the formatting used in the computer program that produced the data tables, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) may carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeros.

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

[The spectrographic limits of determination for heavy-mineral-concentrate samples are based on a 5-mg sample, and are therefore two reporting intervals higher than the limits listed, except as noted]

Elements	Lower determination limit	Upper determination limit
Weight percent		
Calcium (Ca)	0.05	20
Iron (Fe)	.05	20
Magnesium (Mg)	.02	10
Sodium (Na)	.2	5
Phosphorus (P)	.2	10
Titanium (Ti)	.002	1
Parts per million		
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)	10	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Gallium (Ga)	5	500
Germanium (Ge)	10	100
Lanthanum (La)	50	1,000
Manganese (Mn)	10	5,000
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
Thorium (Th)	100	2,000
Vanadium (V)	10	10,000
Tungsten (W)	20	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Palladium (Pd)*	5	1,000
Platinum (Pt)*	20	1,000

*Determined in heavy-mineral-concentrate samples only. Limits are for heavy-mineral-concentrate samples.

TABLE 2. Other Methods Used

(AA, atomic absorption spectroscopy; ICP, inductively coupled plasma emission spectroscopy; ss, stream-sediment)

Element determined	Sample type	Method	LLD (PPM)	References
Silver (Ag)	ss	ICP	0.045	Motooka, 1988.
Arsenic (As)	"	"	0.6	
Gold (Au)	"	"	0.15	
Bismuth (Bi)	"	"	0.6	
Cadmium (Cd)	"	"	0.03	
Copper (Cu)	"	"	0.03	
Molybdenum (Mo)	"	"	0.09	
Lead (Pb)	"	"	0.6	
Antimony (Sb)	"	"	0.6	
Zinc (Zn)	"	"	0.03	
Gold (Au)	"	AA	0.05	Thompson and others, 1968; O'Leary and Meier, 1986.
Mercury (Hg)	"	AA	0.02	Koirttyohann and Khalil, 1976.

TABLE 3 --ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s
PC001S	45 3 56	115 50 32	1.5	1.5	.5	3	N	.3	N	N	N
PC002S	45 3 33	115 51 37	1.5	1.5	.7	3	N	.3	N	N	N
PC003S	44 56 31	115 56 28	3	3	1	3	<.2	.5	N	N	N
PC004S	44 58 35	115 57 17	2	3	.7	3	<.2	.5	N	N	N
PC005S	44 59 53	115 57 47	1.5	1.5	.5	2	N	.3	N	N	N
PC006S	45 1 21	115 55 38	1.5	1.5	.5	3	<.2	.3	N	N	N
PC007S	44 53 23	115 49 22	2	2	.5	5	<.2	.3	N	N	N
PC008S	45 2 21	115 52 48	2	2	.7	3	<.2	.3	N	N	N
PC009S	45 2 26	115 54 15	2	2	.7	3	N	.3	N	N	N
PC010S	45 2 30	115 51 40	1.5	1.5	.3	2	N	.15	N	N	N
PC011S	45 0 4	115 51 12	1.5	2	.5	3	N	.2	N	N	N
PC012S	45 0 37	115 49 32	1.5	1	.3	3	<.2	1.5	N	N	N
PC013S	45 0 33	115 49 31	2	1.5	.7	3	<.2	2	N	N	N
PC014S	45 1 2	115 47 43	3	1.5	.7	3	<.2	2	N	N	N
PC015S	45 1 4	115 47 47	2	1.5	.5	3	<.2	.15	N	N	N
PC016S	45 1 7	115 46 27	1.5	1.5	.3	3	<.2	.15	N	N	N
PC017S	44 58 28	115 50 48	1.5	1.5	.7	3	N	.2	N	N	N
PC018S	44 54 48	115 52 6	2	2	1.5	2	N	.3	N	N	N
PC019S	44 56 31	115 53 15	1.5	3	1	3	<.2	.5	N	N	N
PC020S	44 58 42	115 53 38	2	2	.7	3	N	.3	N	N	N
PC021S	44 53 23	115 54 32	3	3	1.5	2	N	.7	N	N	N
PC022S	44 52 15	115 55 41	3	3	1.5	3	<.2	.5	N	N	N
PC023S	44 50 42	115 55 42	3	3	1.5	3	<.2	.7	N	N	N
PC024S	44 50 27	115 51 52	1.5	2	.7	2	<.2	.5	N	N	N
PC025S	44 52 10	115 52 35	2	3	1	3	<.2	.7	N	N	N
PC026S	44 51 53	115 50 24	3	2	.7	3	N	.5	N	N	N

TABLE 3--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s
PC001S	<10	700	2	N	N	N	10	N	20	N	300	700	N
PC002S	10	700	2	N	N	N	<10	5	30	N	300	700	N
PC003S	<10	700	2	N	N	<10	15	20	30	N	500	1,000	N
PC004S	10	700	2	N	N	N	<10	<5	30	N	300	1,000	N
PC005S	<10	700	2	N	N	N	<10	<5	20	N	300	500	N
PC006S	<10	500	2	N	N	<10	<10	<5	20	N	300	700	N
PC007S	<10	700	1.5	N	N	N	15	7	30	N	1,000	700	N
PC008S	10	700	1.5	N	N	N	70	5	30	N	700	500	N
PC009S	10	700	2	N	N	<10	15	7	30	N	150	700	N
PC010S	10	700	2	N	N	N	N	<5	20	N	200	300	N
PC011S	10	700	2	N	N	10	10	7	30	N	200	700	N
PC012S	<10	500	2	N	N	N	N	N	20	N	300	300	N
PC013S	10	700	2	N	N	N	<10	<5	30	N	500	500	N
PC014S	10	1,000	2	N	N	N	15	<5	30	N	300	500	N
PC015S	10	700	2	N	N	N	15	<5	30	N	300	500	N
PC016S	10	700	2	N	N	N	10	N	30	N	500	500	N
PC017S	10	500	1.5	N	N	N	<10	5	30	N	150	700	N
PC018S	10	500	1	N	N	10	20	7	30	N	150	700	N
PC019S	10	500	2	N	N	10	50	7	30	N	1,000	700	N
PC020S	10	700	1.5	N	N	<10	15	5	30	N	200	700	N
PC021S	10	700	1.5	N	N	15	70	10	30	N	300	1,000	N
PC022S	10	700	2	N	N	15	100	20	30	N	200	1,000	N
PC023S	10	700	2	N	N	10	50	10	30	N	300	1,000	N
PC024S	<10	500	1.5	N	N	<10	<10	5	30	N	300	700	N
PC025S	10	500	1.5	N	N	10	100	5	30	N	200	1,000	N
PC026S	10	700	1.5	N	N	N	<10	<5	30	N	500	700	N

TABLE 3--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
PC001S	<20	N	30	N	<5	N	700	N	50	N	30	N	500
PC002S	<20	<5	30	N	5	N	1,000	N	50	N	50	N	500
PC003S	20	<5	30	N	10	N	700	N	100	N	70	N	1,000
PC004S	20	<5	30	N	10	N	1,000	N	70	N	70	N	>1,000
PC005S	<20	<5	30	N	5	N	1,000	N	50	N	30	N	500
PC006S	<20	10	30	N	<5	N	700	<100	50	N	70	N	200
PC007S	<20	7	50	N	<5	N	1,000	150	30	N	100	N	300
PC008S	<20	<5	30	N	7	N	1,000	150	70	N	150	N	500
PC009S	<20	10	30	N	7	N	1,000	N	70	N	30	N	200
PC010S	<20	N	30	N	<5	N	700	N	30	N	50	N	300
PC011S	<20	7	50	N	7	N	1,000	N	70	N	70	N	200
PC012S	<20	7	30	N	5	N	700	<100	20	N	100	N	500
PC013S	<20	<5	30	N	7	N	1,000	<100	50	N	150	N	300
PC014S	<20	<5	50	N	7	N	1,000	N	50	N	100	N	300
PC015S	<20	5	50	N	5	N	1,000	N	50	N	50	N	200
PC016S	<20	10	50	N	5	N	1,000	N	20	N	100	N	200
PC017S	<20	7	50	N	7	N	1,000	N	50	N	50	N	150
PC018S	<20	7	50	N	10	N	1,000	N	70	N	30	N	150
PC019S	<20	7	50	N	10	N	700	150	100	N	100	N	500
PC020S	<20	15	50	N	7	N	1,000	N	50	N	50	N	300
PC021S	30	30	30	N	30	10	700	N	150	N	100	N	1,000
PC022S	30	30	50	N	20	<10	700	N	150	N	70	N	1,000
PC023S	30	20	30	N	20	N	700	N	100	N	70	N	1,000
PC024S	<20	<5	30	N	7	N	500	<100	50	N	50	N	300
PC025S	20	<5	30	N	15	N	500	N	100	N	50	N	1,000
PC026S	<20	N	50	N	7	N	1,000	N	50	N	50	N	300

TABLE 3--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	Au-ppm aa	Hg-ppm aa	Ag-ppm icp	As-ppm icp	Au-ppm icp	Bi-ppm icp	Cd-ppm icp	Cu-ppm icp	Mo-ppm icp	Pb-ppm icp	Sb-ppm icp	Zn-ppm icp
PC001S	N	N	N	.75	N	N	.18	2.1	.3	3.3	N	35
PC002S	N	.02	N	2.7	N	N	.05	2.2	.53	5.9	N	26
PC003S	N	.02	N	.61	N	N	.068	4.1	.24	7.1	N	41
PC004S	1.8	.1	.47	N	1.1	N	.036	1.6	.24	3.8	N	21
PC005S	N	.12	N	N	N	N	N	1.2	.18	3.1	N	13
PC006S	N	.04	.059	N	N	N	.05	1.6	.31	4.6	N	23
PC007S	--	N	N	N	N	N	.051	1.6	.16	4.3	N	34
PC008S	N	.22	N	1.3	N	N	.042	3.2	.49	4.3	N	25
PC009S	--	.04	N	4.2	N	N	.1	3.4	1.3	7.4	N	33
PC010S	N	N	N	3	N	N	N	1.8	.33	6.3	N	18
PC011S	N	.04	N	3.6	N	N	.088	3.2	.51	7.7	N	32
PC012S	N	N	N	N	N	N	N	5.5	.092	4.6	N	29
PC013S	--	N	N	2.8	N	N	.052	1.8	.15	5.2	N	27
PC014S	N	N	N	1.2	N	N	N	1.3	.11	3.3	N	30
PC015S	N	N	N	.69	N	N	N	1.3	N	4.6	N	32
PC016S	N	N	N	.86	N	N	N	.74	.11	4.1	N	25
PC017S	N	N	N	3.7	N	N	.066	1.8	.35	4.9	N	24
PC018S	N	N	N	N	N	N	N	2.5	.27	7.5	N	21
PC019S	N	N	N	5.8	N	N	.056	2.4	1.1	5.4	N	29
PC020S	--	.02	N	1.4	N	N	.064	2.1	.39	4.8	N	23
PC021S	--	.02	N	5.1	N	N	.088	5.9	.6	5.4	N	61
PC022S	N	.02	N	1.4	N	N	.12	9.9	.33	10	N	58
PC023S	N	.02	N	2.6	N	N	.23	4.7	1.4	5.2	N	47
PC024S	N	N	N	N	N	N	.063	3.2	.27	5.8	N	31
PC025S	--	N	N	3.1	N	N	.035	2.6	1.5	3.5	N	38
PC026S	N	N	N	N	N	N	N	.96	.12	3.9	N	27

TABLE 4--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA,
VALLEY COUNTY, IDAHO.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
PC001C3	45 3 56	115 50 32	15	.7	.3	N	7	2	N	N	N	N
PC002C3	45 3 33	115 51 37	7	.7	.5	N	7	1	N	N	N	N
PC003C3	44 56 31	115 56 28	10	.7	.3	N	5	>2	N	N	N	N
PC004C3	44 58 35	115 57 17	15	.7	.7	N	5	>2	N	N	N	N
PC005C3	44 59 53	115 56 47	15	.7	1.5	N	7	>2	N	N	N	N
PC006C3	45 1 21	115 55 38	7	1.5	1.5	N	10	.7	N	N	N	N
PC007C3	44 53 23	115 49 22	15	1	.3	N	15	.7	N	N	N	N
PC008C3	45 2 21	115 52 48	7	.5	.7	N	7	.3	N	N	N	N
PC009C3	45 2 26	115 54 15	7	3	2	.5	7	>2	N	N	N	<20
PC010C3	45 2 30	115 51 40	15	.5	.5	N	10	.5	N	N	N	N
PC012C3	45 0 37	115 49 32	15	1	.3	N	10	.5	N	N	N	N
PC013C3	45 0 33	115 49 31	15	1.5	1	.5	10	.7	N	N	N	N
PC014C3	45 1 2	115 47 43	30	2	1.5	.5	15	.7	N	N	N	N
PC015C3	45 1 4	115 47 47	30	3	2	.7	15	.7	N	N	N	<20
PC016C3	45 1 7	115 46 27	15	.5	.2	N	7	.3	N	N	N	N
PC017C3	44 58 28	115 50 48	15	3	2	.7	7	.7	N	N	N	<20
PC018C3	44 54 48	115 52 6	15	.7	.7	N	15	1.5	N	N	N	N
PC019C3	44 56 31	115 53 15	7	.3	.2	N	5	>2	N	N	N	N
PC020C3	44 58 42	115 53 38	7	1.5	1.5	N	7	.7	N	N	N	N
PC021C3	44 53 23	115 54 32	10	1.5	2	N	.7	2	N	N	N	<20
PC022C3	44 52 15	115 55 41	15	2	3	N	.7	>2	N	N	N	<20
PC023C3	44 50 42	115 55 42	3	1	.7	N	1	>2	N	N	N	<20
PC024C3	44 50 27	115 51 52	7	.7	.3	.5	2	>2	N	N	N	N
PC025C3	44 52 10	115 52 35	10	.7	1	.5	3	>2	N	N	N	N
PC026C3	44 51 53	115 50 24	10	.7	.7	N	7	.7	N	N	N	N

TABLE 4--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA,
VALLEY COUNTY, IDAHO.--Continued

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s
PC001C3	150	N	70	N	N	50	N	<10	N	>2,000	1,500	N	<50
PC002C3	70	<2	N	N	N	50	N	<10	N	>2,000	1,000	N	N
PC003C3	100	N	N	N	N	<20	N	N	N	1,500	300	N	70
PC004C3	N	N	N	N	N	30	N	<10	N	700	500	N	100
PC005C3	70	N	N	N	N	100	N	N	N	1,500	700	N	150
PC006C3	100	<2	N	N	N	200	N	<10	N	>2,000	700	N	N
PC007C3	150	<2	N	N	N	<20	N	10	N	>2,000	1,000	N	N
PC008C3	70	N	N	N	N	200	<10	<10	N	>2,000	500	N	N
PC009C3	500	N	N	N	30	300	N	10	N	>2,000	700	N	70
PC010C3	70	N	N	N	N	70	N	<10	N	>2,000	500	N	N
PC012C3	<50	N	N	N	N	150	<10	10	N	>2,000	700	N	N
PC013C3	150	N	300	N	N	20	<10	10	N	>2,000	1,000	N	N
PC014C3	200	N	N	N	N	200	<10	20	N	>2,000	1,500	N	N
PC015C3	200	N	N	N	N	70	N	50	N	>2,000	1,500	N	N
PC016C3	N	N	N	N	N	<20	N	<10	N	>2,000	1,500	N	N
PC017C3	200	N	N	N	<20	100	<10	20	N	>2,000	1,000	N	N
PC018C3	70	N	N	N	N	30	N	N	N	1,500	1,000	N	<50
PC019C3	100	N	N	N	N	20	N	N	N	1,500	300	N	50
PC020C3	150	2	N	N	N	200	N	10	N	>2,000	1,000	N	N
PC021C3	70	N	N	N	N	200	N	10	N	700	500	N	50
PC022C3	70	2	N	N	N	150	N	15	N	1,000	700	N	50
PC023C3	100	N	N	N	N	200	N	30	N	700	500	N	<50
PC024C3	70	<2	N	N	N	150	N	15	N	>2,000	700	N	150
PC025C3	500	N	N	N	N	50	N	<10	N	1,000	700	N	100
PC026C3	100	<2	N	N	N	20	<10	10	N	>2,000	1,000	N	N

TABLE 4--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE PAYETTE CREST ROADLESS STUDY AREA,
VALLEY COUNTY, IDAHO.--Continued

Sample	Ni-ppm s	Pb-ppm s	Pd-ppm s	Pt-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
PC001C3	15	30	N	N	N	50	N	N	500	70	N	1,500	N	>2,000
PC002C3	15	30	N	N	N	100	N	N	1,000	50	N	1,500	N	>2,000
PC003C3	N	20	N	N	N	20	70	N	500	300	N	500	N	>2,000
PC004C3	N	<20	N	N	N	N	150	N	N	300	N	500	N	>2,000
PC005C3	N	<20	N	N	N	20	150	N	300	200	N	700	N	>2,000
PC006C3	50	30	N	N	N	20	N	N	1,500	70	N	1,000	N	>2,000
PC007C3	N	30	N	N	N	20	20	N	1,500	30	<50	1,000	N	>2,000
PC008C3	N	30	N	N	N	50	N	N	1,000	70	N	1,500	N	>2,000
PC009C3	20	70	N	N	N	50	70	N	700	200	<50	700	N	>2,000
PC010C3	N	30	N	N	N	30	N	N	700	30	N	1,000	N	>2,000
PC012C3	N	50	N	N	N	20	N	N	1,000	30	N	1,500	N	>2,000
PC013C3	N	50	N	N	N	N	N	N	1,000	50	N	1,500	N	>2,000
PC014C3	N	70	N	N	N	20	50	N	500	50	N	1,500	N	>2,000
PC015C3	N	70	N	N	N	N	N	N	1,000	100	N	1,500	N	>2,000
PC016C3	N	100	N	N	N	50	N	N	700	20	N	1,000	N	>2,000
PC017C3	N	70	N	N	N	70	N	N	1,500	100	N	1,500	N	>2,000
PC018C3	N	N	N	N	N	20	N	N	200	70	N	700	N	>2,000
PC019C3	N	N	N	N	N	70	N	N	<200	200	300	700	N	>2,000
PC020C3	N	70	N	N	N	50	N	N	1,500	70	N	1,500	N	>2,000
PC021C3	N	N	N	N	N	10	30	N	<200	150	N	200	N	>2,000
PC022C3	N	20	N	N	N	30	70	N	300	150	N	300	N	>2,000
PC023C3	N	N	N	N	N	N	30	N	200	300	150	200	N	>2,000
PC024C3	N	<20	N	N	N	70	70	N	500	200	N	700	N	>2,000
PC025C3	N	<20	N	N	N	20	70	N	<200	150	N	700	N	>2,000
PC026C3	N	20	N	N	N	50	N	N	1,000	30	N	1,000	N	>2,000

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s
SE001S	45 4 55	115 47 1	1.5	1	.5	2	N	.15	N	N	N
SE002S	45 4 55	115 47 5	2	1.5	.5	3	N	.2	N	N	N
SE003S	44 58 44	115 28 1	1.5	3	1	3	N	.3	N	<200	N
SE004S	45 0 13	115 24 2	1.5	5	1.5	1.5	<.2	1	N	N	N
SE005S	45 1 37	115 24 10	1	3	1	1.5	N	1	N	N	N
SE006S	45 1 52	115 24 30	1.5	5	1.5	1.5	<.2	.7	N	N	N
SE007S	45 2 11	115 24 28	2	3	2	1.5	<.2	.3	N	N	N
SE008S	45 2 11	115 24 58	1.5	3	1.5	2	N	.5	5	N	N
SE009S	45 5 59	115 24 18	.5	3	.7	2	<.2	.5	N	N	N
SE010S	45 6 27	115 24 39	.7	3	.7	1.5	<.2	.5	1.5	N	N
SE011S	45 6 28	115 24 43	1	2	.7	2	<.2	.3	N	N	N
SE012S	45 6 56	115 23 26	.3	2	.5	1.5	N	.3	N	<200	N
SE013S	45 6 48	115 22 42	2	3	1.5	2	<.2	.5	N	N	N
SE014S	45 7 55	115 23 3	.7	2	.7	2	<.2	.3	1.5	200	N
SE015S	45 5 34	115 20 11	1	2	.5	3	<.2	.3	N	N	N
SE016S	45 4 40	115 20 57	1	3	1	2	<.2	.3	N	N	N
SE017S	45 9 47	115 27 48	1.5	1.5	.7	2	N	.15	N	N	N
SE018S	45 9 50	115 27 45	1	1.5	.7	2	N	.3	N	N	N
SE019S	45 8 30	115 29 50	2	1.5	.7	5	<.2	.15	N	N	N
SE020S	45 7 57	115 30 33	1.5	2	.7	2	N	.3	N	N	N
SE021S	45 8 5	115 30 25	1.5	2	.5	3	<.2	.2	N	N	N
SE022S	45 9 3	115 34 4	3	3	.7	3	N	.7	N	N	N
SE023S	45 11 17	115 34 20	3	1.5	.5	3	.2	.3	N	N	N
SE024S	45 14 34	115 38 27	1.5	1.5	.3	3	N	.15	N	N	N
SE025S	45 14 4	115 40 29	5	2	.7	3	.2	.3	N	N	N
SE026S	45 14 12	115 40 38	3	1.5	.5	3	.3	.3	N	N	N
SE027S	45 14 25	115 39 43	2	1.5	.7	3	.2	.3	N	N	N
SE028S	44 59 20	115 57 14	3	2	1	2	<.2	.5	N	N	N
SE029S	45 0 43	115 56 48	3	1.5	.7	3	N	.2	N	N	N
SE030S	45 8 49	115 51 4	3	1	.7	3	N	.3	N	N	N
SE031S	45 8 51	115 51 12	2	1	.7	3	<.2	.5	N	N	N
SE032S	45 8 20	115 52 15	3	1.5	.7	5	N	.3	N	N	N
SE033S	45 7 19	115 53 18	1.5	1.5	.7	3	N	.3	N	N	N
SE034S	45 6 10	115 53 52	2	2	.7	3	N	.3	N	N	N
SE035S	45 10 17	115 50 28	3	1.5	.7	5	<.2	.2	N	N	N
SE036S	45 10 30	115 51 40	3	1.5	.5	5	N	.3	N	N	N
SE037S	45 9 32	115 54 40	1.5	1	.5	3	N	.15	N	N	N
SE038S	45 9 39	115 48 19	1.5	1	.3	3	<.2	.15	N	N	N
SE039S	45 8 19	115 49 2	1.5	1.5	.7	2	<.2	.15	N	N	N
SE040S	45 7 13	115 48 12	1.5	1.5	.7	3	<.2	.2	N	N	N
SE041S	45 4 37	115 38 33	2	1.5	.3	3	N	.15	N	N	N
SE042S	45 5 1	115 38 2	3	1.5	.5	5	N	.15	N	N	N
SE043S	45 5 27	115 37 45	1	1	.2	2	N	.07	N	N	N
SE044S	45 4 45	115 38 13	2	1.5	.3	5	<.2	.15	N	N	N
SE045S	45 6 37	115 36 16	1	1.5	.3	3	N	.15	N	N	N
SE046S	45 6 29	115 36 29	2	3	1	3	N	.5	N	N	N
SE047S	45 2 18	115 27 23	3	3	1.5	3	<.2	.5	N	N	N
SE048S	45 2 39	115 28 50	2	1.5	.7	5	N	.2	N	N	N
SE049S	45 3 45	115 25 59	2	3	1	3	N	.5	N	N	N
SE050S	45 5 27	115 26 0	1	3	1	2	N	.5	N	N	N
SE051S	45 5 12	115 29 33	.7	2	.7	2	N	.3	N	N	N
SE052S	45 6 41	115 28 59	1.5	3	1	2	N	.5	N	N	N
SE053S	45 8 33	115 27 12	1	1.5	.7	2	N	.2	N	N	N
SE054S	45 6 5	115 30 51	1.5	2	1	2	<.2	.3	N	N	N
SE055S	45 6 58	115 35 33	1.5	3	1	3	<.2	.5	N	N	N
SE056S	45 7 6	115 35 26	2	5	1.5	2	<.2	1	N	N	N
SE057S	45 7 10	115 35 23	1.5	2	.7	2	N	.7	N	N	N
SE058S	45 2 57	115 38 11	2	1.5	.7	3	N	.2	N	N	N
SE059S	45 2 27	115 34 28	5	1	.7	5	N	.3	N	N	N
SE060S	45 2 21	115 33 1	1	1.5	.5	2	N	.15	.7	N	N

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s
SE001S	<10	700	2	N	N	N	<10	<5	30	N	N	300	N
SE002S	10	1,000	1.5	N	N	N	<10	<5	30	N	100	500	N
SE003S	15	700	2	N	N	10	70	7	30	N	<50	700	N
SE004S	10	300	1.5	N	N	20	100	30	20	N	70	700	N
SE005S	10	300	1.5	N	N	15	70	20	20	N	50	700	N
SE006S	10	300	1.5	N	N	20	100	30	30	N	<50	700	<5
SE007S	20	500	1.5	N	N	10	70	10	20	N	100	500	N
SE008S	10	700	1.5	N	N	15	100	30	30	N	<50	700	7
SE009S	15	500	2	N	N	15	70	20	30	N	<50	700	10
SE010S	20	500	2	N	N	15	70	20	30	N	50	700	10
SE011S	<10	500	2	N	N	10	70	7	20	N	<50	1,000	7
SE012S	50	500	2	N	N	<10	30	10	30	N	50	500	N
SE013S	30	500	2	N	N	20	100	20	30	N	70	700	N
SE014S	50	700	3	N	N	<10	20	30	30	N	<50	700	N
SE015S	20	700	2	N	N	N	<10	<5	30	N	300	300	N
SE016S	10	700	3	N	N	10	100	15	30	N	50	700	N
SE017S	10	700	3	N	N	<10	10	10	30	N	100	500	<5
SE018S	<10	700	3	N	N	<10	10	15	30	N	50	500	7
SE019S	10	1,000	2	N	N	N	30	5	50	N	100	700	N
SE020S	10	500	3	N	N	<10	70	7	30	N	50	700	N
SE021S	<10	700	1.5	N	N	<10	30	<5	30	N	150	700	N
SE022S	10	700	1.5	N	N	N	30	<5	30	N	150	700	N
SE023S	10	700	2	N	N	N	15	<5	30	N	1,000	700	N
SE024S	<10	700	2	N	N	N	<10	<5	30	N	500	300	N
SE025S	15	1,000	1.5	N	N	<10	30	7	30	N	>1,000	700	N
SE026S	10	1,000	2	N	N	<10	15	<5	30	N	>1,000	500	N
SE027S	15	700	2	N	N	<10	10	<5	30	N	1,000	700	N
SE028S	<10	700	1.5	N	N	10	30	<5	30	N	100	1,000	N
SE029S	10	1,500	1.5	N	N	N	<10	5	30	N	200	700	N
SE030S	<10	1,000	2	N	N	N	50	<5	30	N	150	500	N
SE031S	<10	1,000	1.5	N	N	N	10	<5	30	N	700	700	N
SE032S	10	1,500	2	N	N	<10	20	<5	30	N	150	700	N
SE033S	10	1,000	2	N	N	<10	20	<5	30	N	300	500	N
SE034S	10	1,000	2	N	N	<10	<10	<5	30	N	200	700	<5
SE035S	10	1,000	3	N	N	<10	<10	5	30	N	500	700	N
SE036S	10	1,000	3	N	N	N	<10	<5	30	N	700	500	N
SE037S	10	700	3	N	N	<10	<10	N	30	N	150	500	N
SE038S	15	500	3	N	N	N	<10	5	30	N	700	500	N
SE039S	10	1,000	2	N	N	<10	70	<5	30	N	150	500	N
SE040S	10	1,000	2	N	N	N	20	<5	30	N	300	500	N
SE041S	10	700	3	N	N	N	<10	N	30	N	150	500	N
SE042S	15	1,000	3	N	N	N	<10	<5	50	N	200	500	N
SE043S	10	700	3	N	N	N	N	N	20	N	300	300	N
SE044S	10	700	3	N	N	N	70	N	30	N	300	1,500	N
SE045S	10	700	3	N	N	N	<10	5	30	N	70	500	N
SE046S	10	700	3	N	N	10	100	7	30	N	150	700	N
SE047S	<10	1,000	2	N	N	15	100	20	30	N	100	700	N
SE048S	<10	700	2	N	N	N	30	<5	30	N	200	1,000	N
SE049S	10	1,000	2	N	N	10	150	7	30	N	50	700	10
SE050S	10	700	2	N	N	10	100	7	30	N	50	700	10
SE051S	<10	300	3	N	N	10	100	7	20	N	<50	1,000	5
SE052S	<10	500	2	N	N	10	70	5	30	N	150	700	N
SE053S	<10	700	2	N	N	<10	100	<5	30	N	50	700	N
SE054S	<10	700	2	N	N	10	100	10	30	N	100	700	5
SE055S	10	700	2	N	N	15	100	7	30	N	100	700	N
SE056S	10	700	1.5	N	N	20	150	7	20	N	70	1,000	N
SE057S	<10	700	2	N	N	10	70	5	30	N	150	700	N
SE058S	10	700	3	N	N	N	10	7	30	N	50	700	N
SE059S	<10	1,500	1.5	<10	N	N	50	7	30	N	300	700	N
SE060S	10	700	2	N	N	<10	30	20	30	N	<50	700	N

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
SE001S	N	<5	30	N	<5	N	700	N	20	N	N	N	100
SE002S	<20	<5	30	N	5	N	1,000	N	30	N	15	N	150
SE003S	<20	7	50	N	7	N	700	N	70	30	50	N	150
SE004S	50	20	20	N	10	N	200	N	150	N	50	N	700
SE005S	50	20	30	N	10	N	300	N	150	N	30	N	200
SE006S	30	50	30	N	10	N	300	N	100	N	20	N	200
SE007S	20	15	30	N	10	30	500	N	70	N	20	N	150
SE008S	20	20	70	N	10	N	500	N	100	N	20	N	500
SE009S	30	20	50	N	10	N	500	N	100	N	30	<200	500
SE010S	30	20	50	N	10	N	300	N	100	N	30	200	300
SE011S	20	5	30	N	10	N	500	N	70	N	30	N	500
SE012S	20	5	30	N	7	N	300	N	70	30	15	N	300
SE013S	20	30	20	N	10	N	500	N	150	N	30	N	100
SE014S	<20	5	70	N	7	N	500	N	70	20	20	200	150
SE015S	<20	<5	30	N	5	N	700	N	70	N	20	N	150
SE016S	<20	10	30	N	10	N	500	N	100	N	30	N	200
SE017S	N	5	30	N	5	N	700	N	50	N	30	N	150
SE018S	20	5	30	N	5	N	500	N	70	N	20	N	150
SE019S	<20	<5	50	N	5	N	1,000	N	50	N	300	N	200
SE020S	20	7	30	N	7	N	500	N	70	N	20	N	200
SE021S	<20	<5	30	N	7	N	700	N	50	N	70	N	>1,000
SE022S	<20	N	30	N	7	N	700	N	70	N	150	N	300
SE023S	N	<5	30	N	<5	N	700	200	50	N	100	N	500
SE024S	<20	N	30	N	<5	N	700	<100	20	N	30	N	500
SE025S	N	N	30	N	<5	N	1,000	200	70	N	100	N	1,000
SE026S	N	N	30	N	<5	N	1,000	300	50	<20	150	N	1,000
SE027S	N	N	30	N	<5	N	1,000	200	50	N	100	N	1,000
SE028S	<20	N	30	N	15	N	1,000	N	100	N	30	N	700
SE029S	N	<5	30	N	5	N	1,000	N	50	N	20	N	200
SE030S	<20	N	30	N	5	N	700	N	50	N	70	N	300
SE031S	<20	N	30	N	5	N	700	100	50	N	200	N	>1,000
SE032S	<20	N	50	N	5	N	1,000	N	70	N	50	N	300
SE033S	<20	<5	30	N	5	N	700	<100	70	N	50	N	300
SE034S	<20	5	50	N	<5	N	700	N	70	N	30	N	150
SE035S	<20	<5	50	N	<5	N	1,000	<100	50	N	70	N	300
SE036S	<20	<5	50	N	5	N	1,000	<100	50	N	70	N	1,000
SE037S	<20	<5	30	N	<5	N	700	N	50	N	20	N	100
SE038S	<20	<5	30	N	N	N	700	100	20	N	100	N	700
SE039S	N	5	50	N	5	N	700	N	70	N	50	N	300
SE040S	<20	<5	30	N	<5	N	700	N	30	N	100	N	300
SE041S	<20	<5	50	N	<5	N	1,000	N	15	N	100	N	300
SE042S	20	<5	50	N	<5	N	1,000	N	20	N	200	N	300
SE043S	<20	N	30	N	N	N	700	N	10	N	150	N	300
SE044S	20	N	50	N	<5	N	1,000	<100	20	N	500	N	700
SE045S	20	5	30	N	<5	N	500	N	20	N	50	N	150
SE046S	20	5	50	N	15	N	700	N	70	N	300	N	500
SE047S	20	15	50	N	15	N	1,000	N	100	N	30	N	300
SE048S	20	N	70	N	5	N	1,000	N	30	N	700	N	500
SE049S	20	10	50	N	10	N	1,000	N	70	N	30	N	300
SE050S	20	10	50	N	10	N	500	N	70	N	50	N	200
SE051S	20	20	50	N	7	N	300	N	70	N	50	N	150
SE052S	20	<5	30	N	10	N	500	N	70	N	70	N	150
SE053S	<20	20	30	N	7	N	500	N	70	N	50	N	150
SE054S	30	10	50	N	15	10	500	N	100	N	50	N	300
SE055S	<20	7	30	N	15	<10	700	N	70	N	100	N	300
SE056S	20	10	50	N	20	<10	500	N	150	N	30	N	500
SE057S	20	<5	50	N	7	20	700	N	70	N	100	N	500
SE058S	<20	N	50	N	5	N	1,000	N	70	N	70	N	150
SE059S	<20	N	50	N	7	15	1,000	N	50	N	500	N	1,000
SE060S	<20	<5	50	N	5	15	500	N	50	N	150	N	150

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Au-ppm aa	Hg-ppm aa	Ag-ppm icp	As-ppm icp	Au-ppm icp	Bi-ppm icp	Cd-ppm icp	Cu-ppm icp	Mo-ppm icp	Pb-ppm icp	Sb-ppm icp	Zn-ppm icp
SE001S	N	.02	N	N	N	N	N	1.9	.097	5.2	N	34
SE002S	N	N	N	N	N	N	N	1.7	.15	3.7	N	27
SE003S	N	N	N	150	N	N	.18	4.8	.49	14	1.2	51
SE004S	N	N	N	9.6	N	N	.033	25	2.3	9.5	N	39
SE005S	N	.04	.12	2.2	N	N	.19	14	1.3	14	N	42
SE006S	N	N	.12	18	N	N	.12	36	2.3	21	N	44
SE007S	N	N	N	52	N	N	.13	7.4	.63	33	.77	52
SE008S	.4	.04	5.2	39	.51	N	.19	34	2.4	56	4.8	83
SE009S	N	.02	.19	19	N	N	.68	9.6	3.9	32	N	120
SE010S	5	.52	.72	94	.21	3.5	.76	15	4.6	44	10	180
SE011S	N	.04	.19	20	N	N	.26	4.2	2.4	19	N	60
SE012S	N	.16	.15	150	N	N	.24	8.7	.82	40	11	71
SE013S	N	.02	N	52	N	N	.068	9.2	.99	11	.63	40
SE014S	.1	.52	.39	270	N	.68	.76	9	.68	68	10	120
SE015S	N	N	N	5.1	N	N	N	1.9	.47	6.8	N	27
SE016S	N	.08	.2	11	N	N	.15	9.6	.84	21	N	51
SE017S	N	N	.14	6.3	N	N	.19	5.9	1.2	9.9	N	26
SE018S	N	.02	.15	7.2	N	N	.2	6.1	3.1	16	N	35
SE019S	N	.02	N	3.8	N	N	.032	2	.29	5.8	N	15
SE020S	N	.02	N	4.4	N	N	.16	4.2	.62	12	N	47
SE021S	N	N	N	1.4	N	N	.065	1.9	.64	6.8	N	31
SE022S	N	N	N	N	N	N	N	.98	.13	4.5	N	22
SE023S	.4	.02	N	21	N	N	N	1.6	.11	5.8	N	25
SE024S	N	.04	.21	25	N	N	N	1.5	.099	11	N	28
SE025S	2.8	.12	5.7	79	4.4	N	.048	1.7	.14	9.4	N	36
SE026S	.6	.12	.14	30	N	N	N	1	N	7.3	N	28
SE027S	<.1	.06	.21	38	.53	N	.059	2	.19	8.2	N	29
SE028S	.1	N	N	1.2	N	N	.06	2.1	.21	5	N	33
SE029S	N	N	N	1.4	N	N	.064	1.6	.57	4.5	N	18
SE030S	N	.02	N	N	N	N	.11	1.4	.11	4.1	N	24
SE031S	N	.18	N	N	N	N	.032	.71	.26	2.6	N	23
SE032S	<.05	.02	N	1.1	N	N	.11	1.4	.45	3.6	N	27
SE033S	N	N	N	N	N	N	.035	1.2	.43	2.8	N	19
SE034S	N	.02	N	2.2	N	N	.072	1.6	.88	4.7	N	26
SE035S	N	.02	N	N	N	N	.13	2.2	.26	4.7	N	24
SE036S	N	.02	N	N	N	N	N	1.2	.21	2.7	N	18
SE037S	N	N	N	N	N	N	N	1.1	.15	2.6	N	16
SE038S	N	.36	N	4.1	N	N	.054	2	.14	4.4	N	24
SE039S	N	.02	N	1.4	N	N	N	.55	.14	3.4	N	16
SE040S	N	N	N	N	N	N	.048	.49	N	3.8	N	19
SE041S	N	.04	N	1.8	N	N	.034	.45	N	5.3	N	26
SE042S	.4	.02	N	.76	N	N	N	.52	N	5.1	N	28
SE043S	N	N	N	1.2	N	N	.039	.32	N	4.6	N	25
SE044S	N	N	.71	2.3	2.5	N	.035	.48	N	5.1	N	22
SE045S	N	.02	N	5.4	N	N	.054	.9	.13	8.7	N	34
SE046S	N	N	.045	2.2	N	N	.041	1.8	.11	7.4	N	27
SE047S	N	.02	.086	8.7	N	N	1	14	.85	23	N	120
SE048S	N	N	.066	9.9	N	N	.26	1.4	.53	17	N	51
SE049S	N	N	.15	35	N	N	.24	3.9	2.7	20	N	56
SE050S	N	.02	.18	29	N	N	.3	3.7	3.6	24	N	87
SE051S	N	.04	.14	23	N	N	.54	6.8	2.1	35	N	90
SE052S	N	N	.082	2.2	N	N	.19	2.5	.77	11	N	58
SE053S	<.05	N	.066	4.9	N	.9	.069	2.1	.47	6.7	N	25
SE054S	N	N	.095	9.7	N	N	.35	5.2	1.2	17	N	78
SE055S	N	N	N	2.9	N	N	.048	2.6	.17	7.8	N	29
SE056S	N	N	.07	3.1	N	.65	.12	6.2	.72	7.6	N	51
SE057S	N	N	N	N	N	N	N	.91	.11	5	N	18
SE058S	N	N	.049	3.8	N	N	.064	3.7	.14	6.5	N	25
SE059S	.95	N	.078	2.8	.2	2.2	.09	8.2	.18	7.7	N	24
SE060S	N	N	.096	4.8	N	1.6	.27	19	.42	14	N	37

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s
SE061S	45 3 14	115 34 23	3	5	1.5	2	N	>1	N	N	N
SE062S	45 1 48	115 33 7	1	1.5	.5	2	<.2	.2	N	N	N
SE063S	45 5 28	115 37 5	1.5	3	1.5	2	<.2	.5	N	N	N
SE064S	45 6 22	115 37 3	2	1.5	.5	3	<.2	.2	N	N	N
SE065S	45 8 34	115 39 57	2	1.5	.5	3	<.2	.2	N	N	N
SE066S	45 10 15	115 41 31	3	1.5	.7	3	<.2	.2	N	N	N
SE067S	45 8 30	115 40 5	2	1.5	.5	2	<.2	.2	N	N	N
SE068S	45 12 47	115 39 7	1.5	1.5	.5	3	<.2	.2	20	N	30
SE069S	45 9 15	115 35 18	1.5	1.5	.5	3	<.2	.2	N	N	N
SE070S	45 9 23	115 35 13	2	1.5	.7	3	<.2	.2	N	N	N
SE071S	45 7 56	115 46 46	2	1	.5	3	<.2	.15	N	N	N
SE072S	45 8 48	115 47 29	2	1.5	.5	3	<.2	.2	N	N	N
SE073S	45 9 0	115 47 43	2	1	.5	3	<.2	.15	N	N	N
SE074S	45 10 3	115 48 23	3	1.5	.7	3	<.2	.15	N	N	N
SE075S	45 9 22	115 47 55	3	1	.7	5	<.2	.2	N	N	N
SE076S	45 10 12	115 48 31	2	1.5	.7	3	<.2	.15	N	N	N
SE077S	45 5 52	115 45 25	3	1.5	.5	3	<.2	.15	N	N	N
SE078S	45 7 16	115 45 49	3	1.5	.7	3	<.2	.15	N	N	N
SE079S	45 2 6	115 59 53	3	3	1	2	<.2	.5	N	N	N
SE080S	45 3 31	115 59 19	3	3	1	2	<.2	.5	N	N	N
SE081S	45 4 35	115 59 18	3	2	.7	2	<.2	.3	N	N	N
SE082S	45 5 50	115 56 46	2	1.5	.5	3	<.2	.3	N	N	N
SE083S	45 7 43	115 57 35	3	2	.7	3	<.2	.5	N	N	N
SE084S	45 8 15	115 57 27	1.5	1	.3	2	<.2	.2	N	N	N
SE085S	45 7 14	115 50 5	3	3	1.5	3	N	.3	N	N	N
SE086S	45 5 8	115 52 10	1	1.5	.7	3	<.2	.2	N	N	N
SE087S	45 5 13	115 49 40	.7	1.5	.3	2	<.2	.15	N	N	N
SE088S	45 3 31	115 53 43	2	1	.7	3	N	.2	N	N	N
SE089S	44 59 23	115 36 41	1	1.5	.5	3	<.2	.15	N	N	N
SE090S	45 0 2	115 36 46	1	1	.3	3	<.2	.15	N	N	N
SE091S	45 0 2	115 36 55	1.5	1.5	.5	3	<.2	.15	N	N	N
SE092S	45 0 44	115 37 6	1	1	.3	3	<.2	.15	N	N	N
SE093S	45 1 26	115 37 25	1	1	.2	3	.2	.15	N	N	N
SE094S	45 1 37	115 37 25	2	1.5	.5	5	<.2	.3	N	N	N
SE095S	45 2 10	115 37 14	1.5	1.5	.7	3	N	.3	N	N	N
SE096S	45 2 38	115 37 36	1.5	1.5	.3	3	N	.2	N	N	N
SE097S	45 2 10	115 28 50	2	3	1.5	5	N	.3	N	N	N
SE098S	45 1 9	115 28 42	2	1.5	.7	3	N	.3	N	N	N
SE099S	45 1 12	115 28 40	2	3	1.5	2	<.2	.3	N	N	N
SE100S	45 0 58	115 27 46	.7	1.5	.5	2	<.2	.2	N	N	N
SE101S	45 1 1	115 27 48	1.5	3	1.5	1.5	<.2	.5	N	N	N
SE102S	45 0 40	115 28 11	1.5	3	1	1.5	<.2	.5	N	N	N
SE103S	45 0 37	115 28 23	1.5	1.5	.3	3	<.2	.15	N	N	N
SE104S	45 8 42	115 44 12	3	1.5	.7	3	<.2	.3	N	N	N
SE105S	45 8 56	115 48 12	2	1	.5	2	.2	.2	N	N	N
SE106S	45 8 53	115 48 15	1.5	1	.7	2	<.2	.15	N	N	N
SE107S	45 8 47	115 47 51	2	1	.3	2	<.2	.2	N	N	N
SE108S	45 7 2	115 19 55	2	3	1	2	<.2	.5	<.5	N	N
SE109S	45 10 14	115 23 49	2	3	1	3	<.2	.5	2	N	N
SE110S	45 9 57	115 23 23	.7	3	.7	3	<.2	.3	<.5	N	N
SE111S	45 9 55	115 22 41	1.5	5	2	1.5	N	.7	N	N	N

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s
SE061S	10	700	1	N	N	20	150	7	30	N	70	1,000	N
SE062S	<10	500	3	N	N	N	<10	5	30	N	50	700	N
SE063S	10	500	3	N	N	10	100	5	30	N	50	1,000	N
SE064S	10	1,000	2	N	N	N	<10	N	30	N	200	500	N
SE065S	10	1,000	3	N	N	N	<10	7	50	N	500	700	N
SE066S	10	1,000	2	N	N	<10	<10	<5	50	N	500	700	N
SE067S	10	1,000	2	N	N	<10	<10	<5	30	N	300	500	N
SE068S	10	700	3	N	N	<10	<10	<5	30	N	700	500	N
SE069S	10	1,000	3	N	N	N	<10	N	30	N	300	500	N
SE070S	10	1,000	3	N	N	N	<10	<5	30	N	300	700	N
SE071S	10	700	2	N	N	N	<10	<5	30	N	700	500	N
SE072S	10	700	3	N	N	N	<10	7	50	N	500	700	N
SE073S	10	700	3	N	N	N	<10	5	30	N	700	500	N
SE074S	<10	700	3	N	N	N	<10	<5	30	N	700	500	N
SE075S	10	1,000	3	N	N	N	10	5	30	N	700	500	N
SE076S	10	1,000	3	N	N	N	10	5	30	N	100	700	N
SE077S	10	1,000	3	N	N	N	<10	N	30	N	500	1,000	N
SE078S	10	1,000	3	N	N	N	10	N	30	N	300	500	N
SE079S	10	1,000	2	N	N	10	<10	7	30	N	100	700	N
SE080S	10	700	2	N	N	10	<10	7	30	N	150	700	N
SE081S	10	1,000	2	N	N	10	10	7	30	N	70	300	N
SE082S	<10	1,000	2	N	N	N	<10	20	30	N	300	500	N
SE083S	10	1,000	2	N	N	<10	<10	5	30	N	200	700	N
SE084S	10	700	2	N	N	N	<10	N	30	N	200	500	N
SE085S	10	1,500	1.5	N	N	15	200	7	30	N	70	700	N
SE086S	10	700	1.5	N	N	<10	<10	<5	30	N	300	500	N
SE087S	10	700	2	N	N	<10	<10	<5	30	N	500	300	N
SE088S	<10	1,000	1.5	N	N	N	10	<5	30	N	100	300	N
SE089S	10	700	2	N	N	N	<10	<5	30	N	200	500	N
SE090S	10	500	3	N	N	N	<10	<5	30	N	50	500	N
SE091S	10	700	2	N	N	N	<10	<5	30	N	500	300	N
SE092S	15	300	3	N	N	N	<10	7	30	N	300	700	N
SE093S	15	500	2	N	N	N	<10	<5	30	N	700	700	N
SE094S	15	500	2	N	N	N	20	<5	50	N	300	1,000	N
SE095S	10	700	3	N	N	N	<10	7	30	N	100	700	N
SE096S	10	500	3	N	N	N	15	<5	30	N	200	700	N
SE097S	10	700	2	N	N	15	100	10	30	N	100	1,000	N
SE098S	15	700	2	N	N	N	20	5	30	N	200	700	<5
SE099S	10	700	2	N	N	15	100	10	30	N	100	1,000	<5
SE100S	15	500	3	N	N	N	30	5	20	N	50	700	N
SE101S	10	500	2	N	N	20	100	20	30	N	100	700	N
SE102S	10	500	2	N	N	15	100	15	30	N	100	700	N
SE103S	15	500	3	N	N	N	<10	N	30	N	200	700	N
SE104S	10	700	2	N	N	<10	10	<5	50	N	300	500	N
SE105S	10	700	2	N	N	N	<10	<5	30	N	1,000	700	N
SE106S	10	700	1.5	N	N	N	70	<5	30	N	150	500	N
SE107S	<10	1,000	2	N	N	N	<10	<5	30	N	700	500	N
SE108S	20	1,000	2	N	N	<10	70	7	30	N	200	700	N
SE109S	<10	1,000	3	N	N	15	70	30	30	N	100	1,000	<5
SE110S	30	700	3	N	N	15	100	30	30	N	100	700	10
SE111S	70	200	2	N	N	50	150	30	30	N	100	700	N

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
SE061S	30	5	30	N	20	<10	700	N	150	N	70	N	700
SE062S	<20	N	30	N	<5	N	500	N	20	N	150	N	500
SE063S	30	<5	30	N	10	N	500	N	70	N	200	N	500
SE064S	<20	N	30	N	<5	N	700	N	30	N	70	N	300
SE065S	<20	N	30	N	<5	N	1,000	<100	30	N	50	N	300
SE066S	<20	N	50	N	5	N	1,000	<100	50	N	50	N	500
SE067S	N	<5	50	N	<5	N	700	N	30	N	30	N	500
SE068S	N	<5	50	N	7	N	1,000	100	30	N	70	N	1,000
SE069S	<20	<5	50	N	5	N	1,000	<100	30	N	50	N	200
SE070S	<20	N	30	N	5	N	1,000	<100	30	N	50	N	700
SE071S	<20	<5	30	N	<5	N	1,000	100	20	N	70	N	700
SE072S	<20	<5	50	N	5	N	1,000	N	30	N	50	N	200
SE073S	<20	N	50	N	<5	N	700	100	30	N	100	N	700
SE074S	<20	N	50	N	<5	N	1,000	100	30	N	150	N	300
SE075S	<20	<5	50	N	7	N	1,000	150	30	N	200	N	300
SE076S	<20	<5	50	N	5	N	1,000	N	30	N	30	N	200
SE077S	<20	N	50	N	<5	N	1,000	100	30	N	100	N	300
SE078S	<20	<5	50	N	<5	N	1,000	<100	20	N	70	N	300
SE079S	20	<5	30	N	15	10	1,000	N	100	N	30	N	700
SE080S	20	<5	30	N	15	N	1,000	N	70	N	30	N	700
SE081S	<20	<5	30	N	10	N	1,000	N	70	N	20	N	300
SE082S	<20	<5	30	N	<5	N	700	N	30	N	70	N	300
SE083S	20	N	50	N	10	N	1,000	<100	70	N	50	N	700
SE084S	<20	<5	30	N	<5	N	700	N	30	N	30	N	300
SE085S	<20	20	30	N	10	N	1,000	N	100	N	20	N	200
SE086S	<20	N	30	N	5	N	700	N	30	N	30	N	300
SE087S	<20	<5	30	N	N	N	700	N	20	N	30	N	300
SE088S	<20	<5	30	N	5	N	700	N	30	N	20	N	200
SE089S	<20	N	50	N	<5	N	500	N	20	N	150	N	300
SE090S	<20	<5	50	N	<5	N	500	N	15	N	200	N	200
SE091S	<20	N	50	N	<5	N	700	100	15	N	500	N	1,000
SE092S	<20	<5	30	N	<5	N	500	N	20	N	300	N	300
SE093S	<20	<5	30	N	<5	N	700	100	15	N	1,000	N	1,000
SE094S	<20	<5	50	N	7	N	1,000	<100	30	N	700	N	700
SE095S	<20	5	30	N	5	20	1,000	N	30	N	150	N	200
SE096S	20	7	50	N	<5	N	1,000	<100	15	N	300	N	300
SE097S	<20	10	30	N	15	N	1,000	N	70	N	70	N	300
SE098S	<20	5	50	N	7	N	1,000	N	30	N	200	N	300
SE099S	<20	15	50	N	15	N	700	N	100	N	70	N	300
SE100S	20	7	30	N	<5	N	300	N	30	N	50	N	300
SE101S	20	20	30	N	15	<10	700	N	100	N	50	N	300
SE102S	20	20	30	N	15	<10	500	N	100	N	50	N	300
SE103S	<20	N	50	N	N	N	500	<100	20	N	300	N	300
SE104S	<20	<5	50	N	7	N	1,000	N	30	N	70	N	300
SE105S	<20	<5	50	N	7	10	700	300	30	N	300	N	>1,000
SE106S	<20	5	30	N	<5	N	700	N	50	N	70	N	300
SE107S	<20	<5	30	N	N	N	1,000	150	15	N	150	N	700
SE108S	30	5	50	N	10	N	700	N	70	<20	70	N	700
SE109S	20	7	70	N	10	<10	1,000	N	100	150	50	N	500
SE110S	20	30	50	N	7	N	300	N	70	<20	70	N	300
SE111S	30	70	50	N	15	N	300	N	100	30	70	<200	300

TABLE 5--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Au-ppm aa	Hg-ppm aa	Ag-ppm icp	As-ppm icp	Au-ppm icp	Bi-ppm icp	Cd-ppm icp	Cu-ppm icp	Mo-ppm icp	Pb-ppm icp	Sb-ppm icp	Zn-ppm icp
SE061S	N	N	N	1.6	N	N	.085	3.6	.33	9.7	N	37
SE062S	N	.02	N	14	N	N	.1	4.2	.3	5.6	N	29
SE063S	N	N	N	1	N	.65	.037	2.6	.11	6.3	N	22
SE064S	N	N	N	1.3	N	N	N	.47	N	4.7	N	26
SE065S	N	N	N	8.1	N	N	.055	.86	.1	3.8	N	31
SE066S	N	.02	N	11	N	N	.053	.9	.17	3.9	N	31
SE067S	N	N	N	2.4	N	N	.063	.72	.14	3.8	N	26
SE068S	.8	.1	.34	48	.42	N	.036	1.1	.15	7.8	N	36
SE069S	N	N	N	2.2	N	N	N	.52	N	4.3	N	29
SE070S	.2	N	N	4.7	N	N	.033	.59	.1	5.4	N	33
SE071S	N	N	N	1.7	N	N	.032	.55	N	4.2	N	27
SE072S	N	.02	N	2.6	N	N	.12	3.4	.15	7.6	N	33
SE073S	N	N	N	1.9	N	N	.055	1.3	.1	5.2	N	28
SE074S	N	N	N	2.5	N	N	.038	1.5	.096	4.3	N	28
SE075S	N	N	N	1.6	N	N	.046	1.5	N	3.9	N	24
SE076S	N	N	N	3.7	N	N	.079	1.6	.3	4.5	N	28
SE077S	N	N	N	N	N	N	N	.27	N	3.7	N	21
SE078S	N	N	N	N	N	N	N	.13	N	3.4	N	33
SE079S	N	.02	N	.9	N	N	.041	2.3	.5	4.7	N	33
SE080S	N	N	N	N	N	N	.061	2	.61	4.9	N	27
SE081S	N	.04	N	N	N	N	N	2.3	.2	5	N	19
SE082S	N	.54	N	N	N	N	N	2.1	.35	4.3	N	17
SE083S	N	.12	N	N	N	N	N	1.3	.27	2.4	N	19
SE084S	N	.1	N	.95	N	N	N	.9	.29	3.5	N	15
SE085S	N	.02	N	13	N	N	.097	4.2	.98	7.1	N	37
SE086S	N	.04	N	1.5	N	N	.055	1.1	.33	7.4	N	33
SE087S	N	.02	N	2.1	N	N	N	1.3	.46	4.1	N	27
SE088S	N	N	N	N	N	N	N	.59	.15	2.5	N	20
SE089S	N	.02	N	9.6	N	N	.038	1.1	.09	7	N	31
SE090S	N	N	N	4.8	N	N	N	.77	.13	5.7	N	26
SE091S	N	N	N	6.9	N	N	N	.75	N	5.6	N	22
SE092S	N	N	.05	8	N	N	.039	1.2	.18	8.3	.7	27
SE093S	N	N	N	7.7	N	N	N	1.1	.12	6.2	N	23
SE094S	N	.02	.047	9.5	N	N	N	.99	.11	6.7	N	23
SE095S	N	N	.05	2.9	N	.66	.075	8.3	.16	9.3	N	29
SE096S	N	N	N	2.7	N	N	.032	.48	N	6	N	24
SE097S	N	.02	.066	2.4	N	N	.34	5.9	.66	12	N	55
SE098S	.1	N	.063	34	N	N	.2	2	.46	12	N	36
SE099S	N	N	.065	5.7	N	N	.44	6.8	.53	16	N	70
SE100S	1.5	N	.13	17	.29	1.2	.18	2.3	.83	9.1	N	42
SE101S	N	.02	.053	13	N	N	.67	9.7	1.2	13	N	100
SE102S	N	.02	.088	13	N	N	.49	7.5	.91	12	N	78
SE103S	N	N	.057	12	N	N	.034	.88	.29	8	N	25
SE104S	N	.08	N	6.1	N	N	.042	1.6	.17	5.5	N	29
SE105S	.35	.02	.079	2.2	.2	N	.042	2.1	.1	5.6	N	31
SE106S	N	.02	.049	3.4	N	N	.063	.87	.21	4.3	N	22
SE107S	N	.6	N	2.7	N	N	N	1.3	N	3.7	N	20
SE108S	.6	.36	.54	38	.79	N	.15	4.1	1	19	2.6	55
SE109S	.05	.04	2	4.1	N	N	.42	16	1.9	61	1.5	95
SE110S	.3	.06	.82	100	N	1.1	1.1	32	5.8	53	2.6	200
SE111S	N	.06	.05	46	N	N	.22	25	.88	14	2.1	76

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s
SE001C3	45 4 55	115 47 1	30	1	.5	N	10	2
SE002C3	45 4 55	115 47 5	20	.5	.3	N	10	2
SE003C3	44 58 44	115 28 1	15	7	1.5	<.5	3	2
SE004C3	45 0 13	115 24 2	10	.7	1	N	7	>2
SE005C3	45 1 37	115 24 10	7	1	3	N	1.5	>2
SE006C3	45 1 52	115 24 30	10	1.5	5	N	3	>2
SE007C3	45 2 11	115 24 28	15	3	10	N	2	>2
SE008C3	45 2 11	115 24 58	15	1.5	10	N	.5	1.5
SE009C3	45 5 59	115 24 18	5	1.5	.7	N	3	>2
SE010C3	45 6 27	115 24 39	7	2	.5	N	7	>2
SE011C3	45 6 28	115 24 43	10	1	.3	N	7	>2
SE012C3	45 6 56	115 23 26	5	2	.7	N	5	>2
SE013C3	45 6 48	115 22 42	20	1.5	10	N	2	>2
SE014C3	45 7 55	115 23 3	7	1.5	.5	N	5	>2
SE015C3	45 5 34	115 20 11	30	1	.3	<.5	15	>2
SE016C3	45 4 40	115 20 57	7	1.5	1.5	<.5	7	>2
SE017C3	45 9 47	115 27 48	15	.5	.2	N	10	>2
SE018C3	45 9 50	115 27 45	15	.5	.5	N	7	>2
SE019C3	45 8 30	115 29 50	15	.7	.2	N	7	2
SE020C3	45 7 57	115 30 33	7	1.5	.3	N	3	>2
SE021C3	45 8 5	115 30 25	7	.3	.1	N	5	1
SE022C3	45 9 3	115 34 4	10	.15	.07	N	5	.7
SE023C3	45 11 17	115 34 20	30	.3	.3	N	10	2
SE024C3	45 14 34	115 38 27	20	.7	.3	N	10	>2
SE025C3	45 14 4	115 40 29	15	.1	.07	N	7	1.5
SE026C3	45 14 12	115 40 38	15	.1	.1	N	7	>2
SE027C3	45 14 25	115 39 43	7	.1	.05	N	7	>2
SE028C3	44 59 20	115 57 14	7	.15	.05	N	5	>2
SE029C3	45 0 43	115 56 48	15	.3	.3	<.5	7	>2
SE030C3	45 8 49	115 51 4	20	1.5	1	<.5	7	2
SE031C3	45 8 51	115 51 12	15	.5	.3	N	10	1.5
SE032C3	45 8 20	115 52 15	15	1.5	1	.5	10	1
SE033C3	45 7 19	115 53 18	3	1.5	.7	<.5	7	.7
SE034C3	45 6 10	115 53 52	2	2	1.5	<.5	7	.7
SE035C3	45 10 17	115 50 28	.7	1.5	.7	N	7	1
SE036C3	45 10 30	115 51 40	.7	.3	.3	N	7	1.5
SE037C3	45 9 32	115 54 40	3	2	1.5	<.5	7	2
SE038C3	45 9 39	115 48 19	1	1	.5	N	7	2
SE039C3	45 8 19	115 49 2	15	1.5	1.5	<.5	10	.7
SE040C3	45 7 13	115 48 12	10	1.5	1.5	N	10	2
SE041C3	45 4 37	115 38 33	15	2	.7	N	10	1.5
SE042C3	45 5 1	115 38 2	15	2	.7	N	10	1.5
SE043C3	45 5 27	115 37 45	10	2	.5	N	10	.7
SE044C3	45 4 45	115 38 13	15	3	1	N	10	1
SE045C3	45 6 37	115 36 16	10	2	.7	N	10	1
SE046C3	45 6 29	115 36 29	15	2	1.5	<.5	15	1
SE047C3	45 2 18	115 27 23	3	2	1.5	<.5	7	2
SE048C3	45 2 39	115 28 50	20	2	1	N	20	1
SE049C3	45 3 45	115 25 59	5	3	2	<.5	7	>2
SE050C3	45 5 27	115 26 0	7	2	2	<.5	7	>2
SE051C3	45 5 12	115 29 33	3	5	1.5	<.5	2	>2
SE052C3	45 6 41	115 28 59	2	2	1.5	N	2	1.5
SE053C3	45 8 33	115 27 12	7	3	2	N	5	1.5
SE054C3	45 6 5	115 30 51	5	1.5	1.5	N	3	2
SE055C3	45 6 58	115 35 33	5	1.5	.7	N	5	2
SE056C3	45 7 6	115 35 26	7	2	1	<.5	7	1.5
SE057C3	45 7 10	115 35 23	2	1.5	.5	N	7	1.5
SE058C3	45 2 57	115 38 11	5	3	1.5	<.5	7	2
SE059C3	45 2 27	115 34 28	7	1.5	.7	N	7	1.5
SE060C3	45 2 21	115 33 1	10	3	1	N	10	2

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s
SE001C3	N	N	N	20	1,000	N	N	N	N	50	<10
SE002C3	N	N	N	<20	700	N	N	N	N	<20	N
SE003C3	N	15,000	N	50	5,000	N	N	N	<20	500	15
SE004C3	N	N	<20	<20	150	N	N	N	N	200	30
SE005C3	N	N	N	70	200	5	N	N	N	200	30
SE006C3	N	N	N	30	100	N	30	N	N	50	50
SE007C3	N	N	N	50	150	N	N	N	N	70	<10
SE008C3	N	N	N	<20	100	2	N	N	N	30	70
SE009C3	N	N	<20	50	500	N	N	N	N	300	70
SE010C3	N	N	<20	70	700	7	30	N	N	300	50
SE011C3	N	N	30	20	200	N	N	N	N	200	30
SE012C3	N	N	<20	50	2,000	N	N	N	N	100	50
SE013C3	N	N	N	70	300	N	N	N	N	200	20
SE014C3	N	1,000	N	70	10,000	5	100	N	N	100	20
SE015C3	N	N	N	<20	200	N	N	N	N	20	20
SE016C3	N	N	N	<20	200	N	N	N	N	200	20
SE017C3	N	N	N	N	150	10	150	N	N	100	15
SE018C3	N	N	N	N	150	15	N	N	N	150	20
SE019C3	N	N	N	<20	300	7	150	N	N	70	N
SE020C3	N	N	N	<20	150	N	N	N	N	50	20
SE021C3	N	N	N	N	70	N	100	N	N	<20	N
SE022C3	N	N	N	N	100	N	30	N	N	<20	N
SE023C3	N	N	<20	N	150	10	70	N	N	30	N
SE024C3	10	N	<20	<20	300	N	N	N	N	20	N
SE025C3	70	N	200	N	200	N	N	N	N	<20	N
SE026C3	5	N	N	N	100	N	N	N	N	20	N
SE027C3	70	N	200	N	100	N	N	N	N	20	N
SE028C3	N	N	N	N	50	<2	N	N	N	50	20
SE029C3	N	N	N	N	200	N	N	N	N	100	10
SE030C3	N	N	N	<20	500	N	N	N	N	300	N
SE031C3	N	N	N	N	50	7	N	N	N	70	N
SE032C3	N	N	N	N	200	15	N	N	N	200	<10
SE033C3	N	N	N	N	150	10	N	N	N	150	N
SE034C3	N	N	N	<20	150	2	N	N	N	30	<10
SE035C3	N	N	N	N	100	5	N	N	N	50	<10
SE036C3	N	N	N	N	100	10	N	N	N	<20	N
SE037C3	N	N	N	30	150	N	N	N	N	20	<10
SE038C3	N	N	N	N	70	7	N	N	N	N	N
SE039C3	N	N	N	N	150	<2	N	N	N	500	N
SE040C3	N	N	N	N	100	2	N	N	N	300	<10
SE041C3	N	N	N	20	70	<2	N	N	N	150	N
SE042C3	N	N	<20	<20	150	N	N	N	N	N	N
SE043C3	N	N	N	30	100	3	N	N	N	<20	<10
SE044C3	N	N	<20	<20	100	3	30	N	N	300	<10
SE045C3	N	1,500	N	<20	100	<2	N	N	N	20	N
SE046C3	N	N	N	N	70	N	N	N	N	200	N
SE047C3	N	N	N	<20	150	N	N	N	N	200	30
SE048C3	N	N	N	N	N	N	N	N	N	200	N
SE049C3	N	N	N	20	200	N	N	N	20	700	<10
SE050C3	N	N	N	N	150	N	100	N	N	700	N
SE051C3	N	N	N	20	150	15	N	N	N	500	20
SE052C3	N	N	N	N	100	5	N	N	N	100	<10
SE053C3	N	N	N	N	150	20	150	N	N	700	N
SE054C3	N	N	N	<20	150	10	N	N	N	200	N
SE055C3	N	N	N	<20	150	N	N	N	N	50	N
SE056C3	N	N	N	<20	200	N	N	N	N	100	N
SE057C3	N	N	N	N	100	N	N	N	N	70	N
SE058C3	N	N	N	20	150	N	30	N	N	100	<10
SE059C3	N	N	N	N	70	N	700	N	N	<20	N
SE060C3	N	N	N	<20	150	N	1,000	N	N	100	100

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Pd-ppm s	Pt-ppm s
SE001C3	15	N	1,500	1,500	N	50	<10	20	N	N
SE002C3	15	N	1,000	1,500	N	70	N	700	N	N
SE003C3	20	N	2,000	1,500	N	70	50	100	N	N
SE004C3	N	N	500	700	<10	300	N	<20	N	N
SE005C3	<10	N	300	500	<10	200	N	20	N	N
SE006C3	N	N	300	300	50	100	N	150	N	N
SE007C3	<10	N	300	500	N	150	N	50	N	N
SE008C3	N	N	<100	1,500	N	100	N	70	N	N
SE009C3	15	N	300	300	100	150	<10	300	N	N
SE010C3	15	N	500	300	N	150	<10	150	N	N
SE011C3	15	N	300	500	N	150	N	100	N	N
SE012C3	15	N	500	300	N	150	N	700	N	N
SE013C3	10	N	100	700	N	150	N	<20	N	N
SE014C3	15	N	300	300	N	100	N	150	N	N
SE015C3	N	N	700	700	N	500	N	30	N	N
SE016C3	10	N	300	300	N	100	N	50	N	N
SE017C3	N	N	700	700	N	100	N	70	N	N
SE018C3	<10	N	500	500	N	100	N	30	N	N
SE019C3	<10	N	500	700	N	50	15	70	N	N
SE020C3	20	N	500	500	N	100	10	50	N	N
SE021C3	<10	N	1,000	500	N	50	10	70	N	N
SE022C3	<10	N	700	500	N	<50	N	30	N	N
SE023C3	<10	N	1,500	1,000	N	50	15	70	N	N
SE024C3	10	N	1,500	1,000	N	50	30	100	N	N
SE025C3	<10	N	1,000	500	N	<50	30	20	N	N
SE026C3	<10	N	1,500	500	N	<50	30	50	N	N
SE027C3	<10	N	2,000	300	N	N	20	<20	N	N
SE028C3	N	N	200	300	N	150	N	N	N	N
SE029C3	10	N	2,000	700	N	100	15	20	N	N
SE030C3	20	N	2,000	1,000	N	<50	N	30	N	N
SE031C3	<10	N	>2,000	1,000	N	N	N	30	N	N
SE032C3	10	N	>2,000	1,500	N	N	N	50	N	N
SE033C3	<10	N	>2,000	700	N	N	N	20	N	N
SE034C3	15	N	>2,000	1,500	N	N	N	50	N	N
SE035C3	10	N	>2,000	1,000	N	N	N	50	N	N
SE036C3	<10	N	>2,000	1,000	N	N	N	20	N	N
SE037C3	10	N	>2,000	1,500	N	<50	N	30	N	N
SE038C3	<10	N	>2,000	700	N	<50	N	30	N	N
SE039C3	<10	N	>2,000	1,500	N	N	N	30	N	N
SE040C3	10	N	>2,000	1,500	N	<50	N	30	N	N
SE041C3	20	N	>2,000	1,500	N	<50	N	70	N	N
SE042C3	15	N	>2,000	1,500	N	<50	N	70	N	N
SE043C3	15	N	>2,000	1,500	N	N	N	70	N	N
SE044C3	15	N	>2,000	2,000	N	<50	N	70	N	N
SE045C3	15	N	>2,000	2,000	N	<50	N	200	N	N
SE046C3	20	N	2,000	2,000	N	<50	N	150	N	N
SE047C3	20	N	700	700	N	70	N	700	N	N
SE048C3	<10	N	1,500	2,000	N	50	N	50	N	N
SE049C3	20	N	700	1,500	N	100	50	50	N	N
SE050C3	20	N	700	1,500	N	50	15	100	N	N
SE051C3	70	N	700	1,500	N	100	15	100	N	N
SE052C3	20	N	1,500	1,500	N	100	N	70	N	N
SE053C3	<10	N	1,500	1,500	N	70	30	50	N	N
SE054C3	50	N	700	700	N	100	N	30	N	N
SE055C3	<10	N	1,000	700	N	50	N	20	N	N
SE056C3	<10	N	700	500	N	<50	N	700	N	N
SE057C3	<10	N	>2,000	1,000	N	<50	N	300	N	N
SE058C3	30	N	2,000	1,500	N	100	N	500	N	N
SE059C3	30	N	1,500	1,500	N	50	N	150	N	N
SE060C3	30	N	2,000	1,500	N	50	N	150	N	N

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
SE001C3	N	50	N	1,000	<200	50	N	1,500	N	>2,000
SE002C3	N	50	N	1,000	N	30	N	1,500	N	>2,000
SE003C3	N	50	70	200	200	150	1,500	1,500	N	>2,000
SE004C3	N	30	<20	N	N	200	500	700	N	>2,000
SE005C3	N	20	20	N	N	200	150	300	N	>2,000
SE006C3	N	15	N	N	N	150	2,000	200	N	>2,000
SE007C3	N	20	N	<200	N	100	500	150	N	>2,000
SE008C3	N	15	N	N	N	70	200	70	N	>2,000
SE009C3	N	50	<20	200	N	300	1,500	500	N	>2,000
SE010C3	200	70	50	<200	N	200	700	500	N	>2,000
SE011C3	N	100	1,500	N	N	150	1,500	1,000	N	>2,000
SE012C3	1,000	20	30	N	N	150	1,500	700	N	>2,000
SE013C3	N	10	<20	N	N	150	500	200	N	>2,000
SE014C3	200	<10	N	1,000	N	150	3,000	200	N	>2,000
SE015C3	N	<10	30	700	N	150	1,000	1,000	N	>2,000
SE016C3	N	50	70	500	N	200	50	300	N	>2,000
SE017C3	N	70	N	N	N	150	200	1,500	N	>2,000
SE018C3	N	70	N	N	N	150	200	700	N	>2,000
SE019C3	N	70	N	N	N	50	N	1,000	N	>2,000
SE020C3	N	100	1,500	N	200	150	N	1,000	N	>2,000
SE021C3	N	100	200	N	200	30	N	1,000	N	>2,000
SE022C3	N	100	N	N	N	30	N	1,000	N	>2,000
SE023C3	N	100	N	200	<200	50	300	1,000	N	>2,000
SE024C3	N	70	N	N	<200	100	150	700	N	>2,000
SE025C3	N	100	N	N	<200	70	150	700	N	>2,000
SE026C3	N	100	N	N	200	70	200	700	N	>2,000
SE027C3	N	200	N	N	200	50	300	700	N	>2,000
SE028C3	N	20	150	N	N	300	N	500	N	>2,000
SE029C3	N	50	N	N	500	150	100	700	N	>2,000
SE030C3	N	50	N	700	300	150	200	700	N	>2,000
SE031C3	N	50	N	N	500	70	N	1,000	N	>2,000
SE032C3	N	50	N	N	500	70	N	1,000	N	>2,000
SE033C3	N	70	N	N	700	70	N	1,000	N	>2,000
SE034C3	N	100	70	N	1,000	70	N	1,000	N	>2,000
SE035C3	N	100	N	N	700	50	N	1,500	N	>2,000
SE036C3	N	100	N	N	700	50	N	1,000	N	>2,000
SE037C3	N	100	20	N	1,000	100	N	1,500	N	>2,000
SE038C3	N	100	N	N	700	50	N	1,500	N	>2,000
SE039C3	N	30	N	<200	500	150	N	1,000	N	>2,000
SE040C3	N	70	N	N	1,000	100	N	1,500	N	>2,000
SE041C3	N	70	N	N	700	70	N	1,500	N	>2,000
SE042C3	N	70	N	N	700	50	70	1,500	N	>2,000
SE043C3	N	150	N	N	1,000	20	N	2,000	N	>2,000
SE044C3	N	50	N	N	700	50	N	1,500	N	>2,000
SE045C3	N	50	N	N	700	50	N	1,500	N	>2,000
SE046C3	N	50	N	N	500	70	N	1,500	N	>2,000
SE047C3	N	30	50	N	<200	300	300	500	N	>2,000
SE048C3	N	50	300	N	500	70	N	2,000	N	>2,000
SE049C3	N	70	100	<200	N	150	300	500	N	>2,000
SE050C3	N	100	500	N	<200	150	300	700	N	>2,000
SE051C3	N	150	700	N	700	150	N	1,000	N	2,000
SE052C3	N	50	700	N	1,500	150	N	1,500	N	>2,000
SE053C3	N	70	30	N	200	200	200	1,000	N	>2,000
SE054C3	N	100	1,000	N	700	150	N	1,000	N	>2,000
SE055C3	N	50	300	N	N	150	N	700	N	>2,000
SE056C3	N	50	70	N	N	150	N	700	N	>2,000
SE057C3	N	50	100	N	500	100	N	1,000	N	>2,000
SE058C3	N	50	300	N	500	150	N	1,000	N	>2,000
SE059C3	N	100	2,000	N	300	100	50	1,500	N	>2,000
SE060C3	N	70	2,000	N	500	150	N	1,500	N	>2,000

TABLE 6 --ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s
SE061C3	45 3 14	115 34 23	7	2	1	.5	7	>2
SE062C3	45 1 48	115 33 7	.7	1.5	.3	N	1	.5
SE063C3	45 5 28	115 37 5	7	3	1	N	3	>2
SE064C3	45 6 22	115 37 3	15	1.5	.3	N	15	.7
SE065C3	45 8 34	115 39 57	10	2	.7	N	10	1.5
SE066C3	45 10 15	115 41 31	15	2	.7	.7	10	1.5
SE067C3	45 8 30	115 40 5	3	2	.3	N	7	1.5
SE068C3	45 12 47	115 39 7	5	3	.5	N	10	1.5
SE069C3	45 9 15	115 35 18	20	5	.7	N	15	.7
SE070C3	45 9 23	115 35 13	30	3	.5	N	20	1
SE071C3	45 7 56	115 46 46	10	2	.5	N	10	.7
SE072C3	45 8 48	115 47 29	10	2	.7	<.5	15	2
SE073C3	45 9 0	115 47 43	15	2	.7	N	10	1.5
SE074C3	45 10 3	115 48 23	7	1.5	.3	N	15	.7
SE075C3	45 9 22	115 47 55	10	3	.7	N	10	1.5
SE076C3	45 10 12	115 48 31	10	5	1.5	.5	7	1.5
SE077C3	45 5 52	115 45 25	3	5	.5	N	7	.3
SE078C3	45 7 16	115 45 49	10	3	1.5	N	15	.5
SE079C3	45 2 6	115 59 53	7	.7	.5	N	3	>2
SE080C3	45 3 31	115 59 19	7	.7	.07	N	1.5	>2
SE082C3	45 5 50	115 56 46	3	1.5	.3	N	7	1.5
SE083C3	45 7 43	115 57 35	7	1.5	.5	N	7	>2
SE084C3	45 8 15	115 57 27	5	.5	.15	N	2	>2
SE085C3	45 7 14	115 50 5	7	3	3	.7	3	1.5
SE086C3	45 5 8	115 52 10	1.5	.7	.3	N	7	.7
SE087C3	45 5 13	115 49 40	.7	.3	.2	N	5	.7
SE088C3	45 3 31	115 53 43	7	3	1.5	1.5	10	1
SE089C3	44 59 23	115 36 41	1	1.5	.3	N	5	.3
SE090C3	45 0 2	115 36 46	1.5	1.5	.3	N	5	.3
SE091C3	45 0 2	115 36 55	.5	.7	.15	N	3	.1
SE092C3	45 0 44	115 37 6	7	.7	.3	N	7	1.5
SE093C3	45 1 26	115 37 25	.3	.3	<.05	N	2	.15
SE094C3	45 1 37	115 37 25	10	1.5	.3	N	7	1.5
SE095C3	45 2 10	115 37 14	20	3	.7	<.5	15	2
SE096C3	45 2 38	115 37 36	15	1.5	.3	N	10	>2
SE097C3	45 2 10	115 28 50	1	1.5	1.5	N	7	2
SE098C3	45 1 9	115 28 42	1.5	2	1.5	<.5	7	.7
SE099C3	45 1 12	115 28 40	2	1.5	1	N	10	1.5
SE100C3	45 0 58	115 27 46	1.5	3	.7	N	10	>2
SE101C3	45 1 1	115 27 48	5	1.5	1	<.5	5	2
SE102C3	45 0 40	115 28 11	5	2	1.5	N	7	>2
SE103C3	45 0 37	115 28 23	2	5	1	N	10	.5
SE104C3	45 8 42	115 44 12	10	2	1	N	15	1.5
SE105C3	45 8 56	115 48 12	.5	.15	.05	N	3	.7
SE106C3	45 8 53	115 48 15	10	1.5	1.5	<.5	15	1
SE107C3	45 8 47	115 47 51	1.5	.3	.3	N	7	1.5
SE108C3	45 7 2	115 19 55	7	.7	2	N	10	>2
SE109C3	45 10 14	115 23 49	7	1.5	.7	N	3	2
SE110C3	45 9 57	115 23 23	3	1.5	.7	N	5	>2
SE111C3	45 9 55	115 22 41	1.5	2	1.5	.5	.7	>2

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s
SE061C3	N	N	N	N	150	N	N	N	N	150	N
SE062C3	N	N	N	20	50	2	N	N	N	N	N
SE063C3	N	N	N	<20	50	<2	700	N	N	150	N
SE064C3	N	N	N	20	70	N	N	N	N	<20	N
SE065C3	10	N	30	N	70	N	N	N	N	20	<10
SE066C3	N	N	N	20	200	N	N	N	N	<20	<10
SE067C3	N	N	N	N	50	N	N	N	N	<20	N
SE068C3	70	N	150	N	70	N	N	N	N	<20	<10
SE069C3	<1	N	200	N	100	N	N	N	N	<20	N
SE070C3	N	N	N	N	100	N	N	N	N	<20	N
SE071C3	N	N	N	<20	70	N	N	N	N	20	<10
SE072C3	N	N	N	<20	100	N	N	N	N	<20	<10
SE073C3	N	N	N	<20	70	N	N	N	N	<20	<10
SE074C3	N	N	N	20	50	N	N	N	N	<20	N
SE075C3	N	N	N	N	50	N	N	N	N	20	<10
SE076C3	30	N	200	<20	150	3	N	N	N	70	N
SE077C3	<1	N	N	N	70	10	N	N	N	70	<10
SE078C3	N	N	N	N	70	N	N	N	N	200	N
SE079C3	N	N	N	N	<50	N	N	N	N	20	N
SE080C3	N	N	N	N	N	N	N	N	N	<20	N
SE082C3	N	N	N	N	150	N	N	N	N	<20	N
SE083C3	N	N	N	N	<50	N	N	N	N	50	N
SE084C3	N	N	<20	N	<50	N	N	N	N	20	N
SE085C3	N	N	N	<20	200	N	N	N	30	1,000	N
SE086C3	N	N	N	N	50	N	N	N	N	<20	N
SE087C3	N	N	N	N	50	N	N	N	N	<20	N
SE088C3	N	N	N	30	500	N	N	N	N	70	<10
SE089C3	N	N	N	<20	50	N	N	N	N	<20	N
SE090C3	N	N	N	<20	70	N	N	N	N	N	N
SE091C3	N	N	N	N	50	N	N	N	N	N	N
SE092C3	N	N	N	<20	70	N	150	N	N	<20	N
SE093C3	N	N	N	N	50	N	70	N	N	<20	N
SE094C3	N	N	N	20	70	N	70	N	N	20	N
SE095C3	N	N	N	<20	150	N	100	N	N	70	10
SE096C3	N	N	N	20	70	N	70	N	N	20	N
SE097C3	N	N	N	<20	100	N	N	N	N	150	N
SE098C3	N	N	N	20	100	N	N	N	N	200	N
SE099C3	N	N	N	N	100	N	500	N	N	100	N
SE100C3	50	N	500	150	150	N	500	N	N	500	N
SE101C3	N	N	N	20	200	N	N	N	N	100	N
SE102C3	N	N	<20	30	150	7	500	N	N	200	N
SE103C3	N	N	N	<20	70	N	N	N	N	50	N
SE104C3	N	N	N	20	100	N	N	N	N	20	N
SE105C3	N	N	N	N	50	N	N	N	N	<20	N
SE106C3	N	N	N	N	150	N	N	N	N	500	N
SE107C3	N	N	N	N	70	N	N	N	N	<20	N
SE108C3	N	N	<20	70	200	N	N	N	N	150	N
SE109C3	50	N	20	20	150	15	N	N	N	<20	10
SE110C3	N	N	N	50	200	7	N	N	N	200	N
SE111C3	N	N	N	70	150	3	N	N	20	70	N

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Pd-ppm s	Pt-ppm s
SE061C3	30	N	1,000	1,000	N	50	N	20	N	N
SE062C3	100	N	1,500	700	N	<50	N	50	N	N
SE063C3	15	N	1,500	1,000	N	50	N	500	N	N
SE064C3	<10	N	2,000	1,500	N	N	N	50	N	N
SE065C3	10	N	>2,000	1,000	N	N	N	30	N	N
SE066C3	10	N	>2,000	1,000	N	N	N	30	N	N
SE067C3	<10	N	>2,000	1,000	N	N	N	30	N	N
SE068C3	<10	N	>2,000	1,000	N	N	N	150	N	N
SE069C3	10	N	>2,000	1,500	N	N	N	70	N	N
SE070C3	<10	N	>2,000	1,500	N	N	N	30	N	N
SE071C3	10	N	>2,000	1,500	N	N	N	50	N	N
SE072C3	10	N	>2,000	1,500	N	50	N	50	N	N
SE073C3	20	N	>2,000	1,500	N	N	N	70	N	N
SE074C3	10	N	>2,000	1,500	N	N	N	50	N	N
SE075C3	10	N	>2,000	1,500	N	N	N	50	N	N
SE076C3	10	N	>2,000	1,500	N	N	N	30	N	N
SE077C3	10	N	>2,000	3,000	N	N	N	70	N	N
SE078C3	<10	N	>2,000	1,000	N	N	N	30	N	N
SE079C3	N	N	500	500	N	150	N	N	N	N
SE080C3	N	N	500	500	N	300	N	<20	N	N
SE082C3	<10	N	>2,000	700	N	N	N	50	N	N
SE083C3	<10	N	1,000	700	50	150	N	30	N	N
SE084C3	N	N	2,000	700	N	70	N	20	N	N
SE085C3	10	N	2,000	1,000	N	<50	70	20	N	N
SE086C3	<10	N	>2,000	700	N	N	N	20	N	N
SE087C3	<10	N	>2,000	500	N	N	N	20	N	N
SE088C3	30	N	2,000	1,500	N	<50	N	30	N	N
SE089C3	10	N	>2,000	500	N	N	N	70	N	N
SE090C3	15	N	1,500	1,500	N	N	N	70	N	N
SE091C3	<10	N	>2,000	2,000	N	N	N	70	N	N
SE092C3	20	N	2,000	1,000	N	<50	N	70	N	N
SE093C3	N	N	2,000	300	N	N	N	70	N	N
SE094C3	30	N	1,500	1,000	N	70	N	200	N	N
SE095C3	70	N	1,500	1,500	N	70	N	100	N	N
SE096C3	30	N	1,500	1,500	N	150	N	70	N	N
SE097C3	30	N	700	700	N	<50	<10	50	N	N
SE098C3	30	N	>2,000	1,500	N	<50	N	70	N	N
SE099C3	30	N	1,000	700	50	50	N	100	N	N
SE100C3	20	N	1,500	1,500	<10	150	N	70	N	N
SE101C3	70	N	700	500	N	70	<10	<20	N	N
SE102C3	50	N	1,000	1,000	N	70	10	70	N	N
SE103C3	15	N	>2,000	2,000	N	<50	N	100	N	N
SE104C3	15	N	>2,000	1,000	N	50	15	50	N	N
SE105C3	<10	N	>2,000	200	N	N	N	20	N	N
SE106C3	<10	N	2,000	700	N	N	20	20	N	N
SE107C3	<10	N	>2,000	700	N	<50	N	30	N	N
SE108C3	<10	N	500	700	<10	100	<10	50	N	N
SE109C3	N	N	300	700	<10	70	N	3,000	N	N
SE110C3	30	N	300	300	15	100	10	100	N	N
SE111C3	10	N	<100	300	<10	70	10	20	N	N

TABLE 6--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SECESH ROADLESS STUDY AREA, VALLEY AND IDAHO COUNTIES, IDAHO.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
SE061C3	N	70	300	N	N	200	N	700	N	>2,000
SE062C3	N	70	30	N	200	50	N	1,000	N	>2,000
SE063C3	N	100	100	N	<200	150	<50	1,500	N	>2,000
SE064C3	N	30	N	N	300	<20	N	1,000	N	>2,000
SE065C3	N	70	N	N	1,000	50	N	1,000	N	>2,000
SE066C3	N	50	N	N	700	50	N	1,000	N	>2,000
SE067C3	N	50	N	N	700	50	N	1,000	N	>2,000
SE068C3	N	70	150	N	700	70	100	1,500	N	>2,000
SE069C3	N	30	N	N	1,500	50	N	1,500	N	>2,000
SE070C3	N	20	N	N	700	30	N	1,500	N	>2,000
SE071C3	N	70	20	N	1,500	30	N	1,500	N	>2,000
SE072C3	N	50	100	N	700	50	N	1,000	N	>2,000
SE073C3	N	70	30	N	1,500	50	N	1,500	N	>2,000
SE074C3	N	70	N	N	1,000	30	N	1,500	N	>2,000
SE075C3	N	100	N	N	1,000	50	N	1,500	N	>2,000
SE076C3	N	70	N	N	1,000	70	N	1,000	N	>2,000
SE077C3	N	100	N	N	1,000	30	N	1,500	N	>2,000
SE078C3	N	30	N	N	700	70	N	1,500	N	>2,000
SE079C3	N	<10	100	N	N	200	N	700	N	>2,000
SE080C3	N	10	100	N	N	300	N	500	N	>2,000
SE082C3	N	100	N	N	700	70	N	1,000	N	>2,000
SE083C3	N	20	150	N	N	300	N	700	N	>2,000
SE084C3	N	50	70	N	N	150	200	1,000	N	>2,000
SE085C3	N	50	N	700	200	300	N	700	N	>2,000
SE086C3	N	70	N	N	1,000	20	N	1,500	N	>2,000
SE087C3	N	70	N	N	700	30	N	1,500	N	>2,000
SE088C3	N	30	N	700	700	70	N	700	N	>2,000
SE089C3	N	70	N	N	700	20	N	1,500	N	>2,000
SE090C3	N	70	N	N	700	<20	N	1,500	N	>2,000
SE091C3	N	70	N	N	1,000	20	N	1,500	N	>2,000
SE092C3	N	70	N	N	300	30	N	1,000	N	>2,000
SE093C3	N	100	N	N	200	<20	N	1,500	N	>2,000
SE094C3	N	50	<20	1,000	300	30	N	1,500	N	>2,000
SE095C3	N	70	500	N	<200	100	N	1,500	N	>2,000
SE096C3	N	30	70	N	300	30	N	1,500	N	>2,000
SE097C3	N	70	100	N	<200	150	150	700	N	>2,000
SE098C3	N	50	N	N	500	50	200	2,000	N	>2,000
SE099C3	N	30	700	N	<200	70	300	700	N	>2,000
SE100C3	N	70	300	N	200	150	1,500	700	N	>2,000
SE101C3	N	30	300	N	N	100	150	300	N	>2,000
SE102C3	N	50	1,500	N	200	150	500	500	N	>2,000
SE103C3	N	50	N	N	1,000	30	N	2,000	N	>2,000
SE104C3	N	50	700	N	1,000	50	N	1,500	N	>2,000
SE105C3	N	50	N	N	500	20	N	1,500	N	>2,000
SE106C3	N	50	N	N	500	150	N	1,000	N	>2,000
SE107C3	N	70	N	N	700	50	N	1,500	N	>2,000
SE108C3	N	<10	300	N	N	150	1,500	700	N	>2,000
SE109C3	N	N	N	700	N	150	10,000	300	N	>2,000
SE110C3	N	N	<20	<200	N	150	2,000	200	N	>2,000
SE111C3	N	<10	N	N	N	150	2,000	70	N	1,500

TABLE 7--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s
SF001S	45 3 18	115 46 48	2	1	.3	3	<.2	.15	N	N	N
SF002S	45 3 31	115 46 52	2	1	.3	3	.2	.2	N	N	N
SF003S	45 3 36	115 46 0	3	1.5	.3	3	N	.2	N	N	N
SF004S	45 3 38	115 46 0	2	1.5	.3	3	<.2	.15	N	N	N
SF005S	45 4 17	115 47 8	1.5	1.5	.5	3	<.2	.3	N	N	N
SF006S	44 54 15	115 46 51	2	3	.7	3	<.2	.5	N	N	N
SF007S	44 53 37	115 44 55	2	1	.3	3	<.2	.3	N	N	N
SF008S	44 54 39	115 45 1	2	2	.3	3	.3	.7	N	N	N
SF009S	44 55 2	115 44 34	3	1	.3	5	<.2	.15	N	N	N
SF010S	44 50 8	115 42 8	1.5	1.5	.5	3	<.2	.2	N	N	N
SF011S	44 59 57	115 45 45	1	.7	.3	2	<.2	.15	N	N	N
SF012S	45 0 2	115 45 36	1.5	.7	.2	3	<.2	.15	N	N	N
SF013S	44 50 22	115 38 14	2	2	.3	3	<.2	.5	N	N	N
SF014S	44 46 25	115 46 41	2	2	.5	3	N	.3	N	N	N
SF015S	44 46 7	115 46 37	3	2	.7	5	<.2	.7	N	N	N
SF016S	44 54 24	115 38 45	3	2	.5	5	<.2	.2	N	N	N
SF017S	44 54 24	115 38 53	2	1.5	.5	3	.2	.2	N	N	N
SF018S	44 54 11	115 38 47	3	1.5	.5	5	.3	.2	N	N	N
SF019S	44 54 9	115 38 50	2	1.5	.5	3	<.2	.15	N	N	N

TABLE 7--ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s
SF001S	<10	500	3	N	N	N	<10	N	30	N	500	500	N
SF002S	10	1,000	2	N	N	N	<10	<5	30	N	1,000	700	N
SF003S	10	1,000	2	N	N	N	<10	10	30	N	200	700	N
SF004S	10	700	2	N	N	N	<10	<5	30	N	300	700	N
SF005S	10	700	3	N	N	N	<10	<5	30	N	700	500	N
SF006S	15	700	3	N	N	<10	15	7	50	N	300	700	N
SF007S	<10	1,000	2	N	N	N	10	<5	30	N	700	700	N
SF008S	10	1,000	2	N	N	N	<10	<5	30	N	>1,000	700	N
SF009S	10	1,000	3	N	N	N	10	<5	30	N	300	500	N
SF010S	<10	700	3	N	N	N	<10	7	30	N	300	700	N
SF011S	10	700	3	N	N	N	<10	<5	30	N	200	300	N
SF012S	10	1,000	3	N	N	N	<10	N	30	N	500	500	N
SF013S	<10	1,000	3	N	N	N	10	<5	30	N	700	700	N
SF014S	10	1,000	3	N	N	N	<10	<5	50	N	300	500	N
SF015S	10	1,000	3	N	N	N	30	5	50	N	>1,000	700	N
SF016S	10	700	3	N	N	N	<10	<5	50	N	700	700	N
SF017S	10	700	3	N	N	N	<10	<5	30	N	700	500	N
SF018S	10	700	3	N	N	N	10	5	30	N	>1,000	700	N
SF019S	10	700	3	N	N	N	<10	<5	30	N	700	700	N

TABLE 7 --ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
SF001S	<20	7	30	N	5	N	700	<100	20	N	300	N	700
SF002S	N	5	30	N	7	N	1,000	200	30	N	700	N	>1,000
SF003S	<20	<5	50	N	7	N	1,000	N	50	N	100	N	300
SF004S	<20	<5	50	N	5	N	1,000	N	30	N	150	N	200
SF005S	<20	<5	50	N	<5	N	700	100	50	N	200	N	700
SF006S	20	10	50	N	5	N	1,000	N	70	N	50	N	700
SF007S	<20	5	30	N	7	N	1,000	100	30	N	100	N	700
SF008S	<20	N	30	N	7	N	1,000	200	50	N	150	N	1,000
SF009S	<20	5	50	N	<5	N	1,000	N	30	N	300	N	500
SF010S	<20	<5	50	N	5	N	700	N	30	N	50	N	200
SF011S	<20	<5	30	N	<5	N	500	N	30	N	70	N	300
SF012S	<20	N	30	N	<5	N	700	<100	15	N	200	N	700
SF013S	20	7	30	N	7	N	700	<100	30	N	70	N	700
SF014S	<20	<5	50	N	7	N	1,000	N	30	N	30	N	200
SF015S	<20	7	50	N	10	N	1,000	200	50	N	100	N	500
SF016S	<20	7	30	N	7	N	1,000	150	50	N	150	N	700
SF017S	<20	7	30	N	7	N	700	150	30	N	200	N	700
SF018S	<20	7	30	N	7	N	1,000	300	30	N	500	N	700
SF019S	<20	7	50	N	7	N	700	150	30	N	150	N	700

TABLE 7 --ANALYTICAL RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	Au-ppm aa	Hg-ppm aa	Ag-ppm icp	As-ppm icp	Au-ppm icp	Bi-ppm icp	Cd-ppm icp	Cu-ppm icp	Mo-ppm icp	Pb-ppm icp	Sb-ppm icp	Zn-ppm icp
SF001S	N	N	N	N	N	N	N	.48	.12	3.9	N	24
SF002S	N	.02	N	N	N	N	N	.64	.15	4.8	N	22
SF003S	N	N	N	N	N	N	.041	.9	.15	5.3	N	29
SF004S	N	N	N	N	N	N	.048	.94	.11	5.1	N	25
SF005S	N	N	N	N	N	N	N	.55	.19	16	N	17
SF006S	N	.06	N	2.1	N	N	.051	2.4	.21	8.1	.83	58
SF007S	N	N	N	2.5	N	N	.054	.63	.13	5.1	N	27
SF008S	N	.1	N	1.2	N	N	.044	.6	N	5.4	N	26
SF009S	N	12.9	N	7	N	N	.037	.9	.18	3.7	.72	21
SF010S	.05	.1	.059	.69	N	N	.066	1.5	.16	5.3	N	43
SF011S	N	.16	.048	8.7	N	N	.068	.98	.14	6	.63	24
SF012S	N	4.2	N	1.3	N	N	N	.32	.13	2.8	N	22
SF013S	N	.02	N	N	N	N	.048	.64	.17	3.7	N	32
SF014S	N	.04	N	1.4	N	N	.083	.8	.2	5.2	N	44
SF015S	N	N	N	2.1	N	.78	.068	1.4	.25	4.6	N	37
SF016S	N	N	N	1.1	N	N	.042	.92	.18	4.9	N	34
SF017S	N	N	N	N	N	N	N	.62	.12	3.3	N	31
SF018S	N	.02	N	N	N	N	.067	1.1	.14	5.9	N	27
SF019S	N	.02	N	.86	N	N	.048	.83	.15	5.5	N	27

TABLE 8 --ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.

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

Sample	Latitude	Longitude	Ca-pct. s	Fe-pct. s	Mg-pct. s	Na-pct. s	P-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
SF001C3	45 3 18	115 46 48	.7	.2	.1	N	3	.3	N	N	N	N
SF002C3	45 3 31	115 46 52	.7	.2	.15	N	5	.3	N	N	N	<20
SF003C3	45 3 36	115 46 0	7	1.5	.7	N	7	1	N	N	N	20
SF004C3	45 3 38	115 46 0	3	.5	.5	N	7	.3	N	N	N	N
SF005C3	45 4 17	115 47 8	7	.5	.5	N	7	.3	N	N	N	N
SF006C3	44 54 15	115 46 51	15	1	.3	N	10	>2	N	N	N	N
SF007C3	44 53 37	115 44 55	15	.7	.3	N	15	.7	N	N	N	N
SF008C3	44 54 39	115 45 1	20	1	.3	<.5	15	.7	N	N	N	N
SF009C3	45 55 2	115 44 34	15	1.5	.7	N	10	1.5	7	N	<20	<20
SF010C3	44 50 8	115 42 8	20	2	1	N	20	.5	2	N	N	<20
SF011C3	44 59 57	115 45 45	15	.7	.3	N	10	.7	N	N	N	N
SF012C3	45 0 2	115 45 36	2	.3	.15	N	7	.3	N	N	N	N
SF013C3	44 50 22	115 38 14	7	.3	.1	N	7	>2	N	N	N	N
SF014C3	44 46 25	115 46 41	10	.3	.07	.7	15	1.5	N	N	N	N
SF015C3	44 46 7	115 46 37	7	.3	.2	.5	10	2	N	N	N	N
SF016C3	44 54 24	115 38 45	7	.3	<.05	N	10	2	N	N	N	N
SF017C3	44 54 24	115 38 53	10	.3	.05	N	10	1.5	N	N	N	N
SF018C3	44 54 11	115 38 47	1.5	.2	.05	N	5	1.5	N	N	<20	N
SF019C3	44 54 9	115 38 50	1.5	.3	<.05	N	5	1.5	N	N	N	N

TABLE 8 --ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	Ga-ppm s	Ge-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s
SF001C3	70	N	N	N	N	<20	N	<10	N	>2,000	700	N	N
SF002C3	100	N	N	N	N	<20	N	<10	N	>2,000	300	N	N
SF003C3	200	N	N	N	N	20	N	30	N	>2,000	1,500	N	<50
SF004C3	50	N	N	N	N	20	N	<10	N	>2,000	700	N	N
SF005C3	70	7	N	N	N	30	N	10	N	>2,000	1,000	N	N
SF006C3	70	N	N	N	N	30	N	<10	N	1,500	700	N	150
SF007C3	70	N	N	N	N	20	N	10	N	>2,000	1,500	N	N
SF008C3	200	N	N	N	N	20	N	20	N	>2,000	1,000	N	N
SF009C3	150	N	N	N	N	20	N	15	N	>2,000	1,500	N	N
SF010C3	200	N	N	N	N	20	<10	20	N	>2,000	1,500	N	N
SF011C3	70	N	N	N	N	20	N	10	N	>2,000	1,000	N	N
SF012C3	70	N	N	N	N	<20	N	<10	N	>2,000	1,000	N	N
SF013C3	100	N	N	N	N	<20	N	<10	N	1,500	700	N	100
SF014C3	200	N	N	N	N	N	N	<10	N	1,500	700	N	<50
SF015C3	300	N	N	N	N	20	N	<10	N	>2,000	700	N	N
SF016C3	70	N	N	N	N	N	N	<10	N	700	700	N	<50
SF017C3	50	N	N	N	N	N	N	<10	N	2,000	700	N	<50
SF018C3	70	N	N	N	N	N	N	<10	N	2,000	500	N	<50
SF019C3	70	N	N	N	N	N	N	N	N	1,500	300	N	<50

TABLE 8--ANALYTICAL RESULTS OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE SOUTH FORK ROADLESS STUDY AREA, VALLEY COUNTY, IDAHO.--Continued

Sample	Ni-ppm s	Pb-ppm s	Pd-ppm s	Pt-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
SF001C3	N	70	N	N	N	50	N	N	500	20	N	700	N	>2,000
SF002C3	N	50	N	N	N	100	N	N	700	20	N	1,000	N	>2,000
SF003C3	N	70	N	N	N	70	N	N	1,000	50	N	1,500	N	>2,000
SF004C3	N	70	N	N	N	100	N	N	1,000	30	N	1,500	N	>2,000
SF005C3	N	70	N	N	N	70	N	N	1,000	50	N	1,500	N	>2,000
SF006C3	N	N	N	N	N	30	150	N	200	150	N	700	N	>2,000
SF007C3	N	70	N	N	N	150	N	N	1,500	50	N	1,500	N	>2,000
SF008C3	N	100	N	N	N	150	N	N	1,500	30	N	1,500	N	>2,000
SF009C3	N	70	N	N	N	100	N	N	700	70	N	1,500	N	>2,000
SF010C3	N	70	N	N	N	100	N	N	2,000	50	N	1,500	N	>2,000
SF011C3	N	50	N	N	N	50	N	N	700	30	70	1,500	N	>2,000
SF012C3	N	70	N	N	N	70	N	N	700	30	N	1,500	N	>2,000
SF013C3	N	20	N	N	N	30	100	N	<200	150	N	700	N	>2,000
SF014C3	N	20	N	N	N	30	N	<200	<200	30	N	700	N	>2,000
SF015C3	N	30	N	N	N	30	N	N	200	30	N	1,000	N	>2,000
SF016C3	N	30	N	N	N	20	N	N	<200	30	N	1,000	N	>2,000
SF017C3	N	50	N	N	N	<10	N	N	300	30	N	1,500	N	>2,000
SF018C3	N	30	N	N	N	20	N	N	300	30	N	1,500	N	>2,000
SF019C3	N	50	N	N	N	15	N	N	N	30	N	1,000	N	>2,000