UNITED STATES DEPARTMENT OF THE INTERIOR

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Analytical results and sample locality map of stream-sediment, heavy-mineral-concentrate, and rock samples from the Bruneau River, Jarbidge River, and Sheep Creek West Wilderness Study Areas, Owyhee County, Idaho

By

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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.

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CONTENTS

PLATES

TABLES

STUDIES RELATED TO WILDERNESS

Bureau of Land Management Wilderness Study Areas

The Federal Land Policy and Management Act (Public Law 94-579, October 21, 1976) requires the U.S. Geological Survey and the U.S. Bureau of Mines to conduct mineral surveys on certain areas to determine their mineral values, 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 Bruneau River, Jarbidge River, and Sheep Creek West Wilderness Study Areas, Owyhee County, Idaho.

INTRODUCTION

In May-July 1985, the U.S. Geological Survey conducted reconnaissance geochemical surveys of the Bruneau River (ID-111-017), Jarbidge River (ID-017-011), and Sheep Creek West (ID-111-036A) Wilderness Study Areas, Owyhee County, Idaho.

The Bruneau River, Jarbidge River, and Sheep Creek West Wilderness Study Areas are east of State Highway 51 in the eastern half of Owhyee County, southwestern Idaho (see plates 1-4). The size of the study areas is detailed in table 1A. The Bruneau River Study Area extends about 35 mi (56 km) southward from a point about 9 mi (14 km) southeast of the small town of Bruneau, Idaho. The Jarbidge River Study Area extends about 25 mi (40 km) to the southeast from the southern end of the Bruneau River Study Area to within about 3 mi (5 km) of the Idaho-Nevada boundary. The Sheep Creek West Study Area lies about 19 mi (31 km) south of Grasmere, Idaho and about 17 mi (27 km) west of the southern end of the Jarbidge River Study Area. Access to the study areas is almost entirely by unimproved dirt roads and jeep trails. An improved surface road extends from Bruneau to the northern end of the Bruneau River Study Area. Access to the Bruneau River and the Jarbidge River Study Areas may also be by raft.

The study areas lie within the southern portion of the Snake River Plain and are underlain by Pliocene and Miocene Snake River Plain basalts which overlie a sequence of Miocene rhyolite flows and tuffs. Some sedimentary units are interbedded with the basalts. The rocks show little structural deformation. The individual formations have been described in Malde and Powers (1962). The volume "Cenozoic Geology of Idaho" (Bonnichsen and Breckenridge, 1982) contains several articles describing geology and rock units of the general area.

The study areas are, in general, centered on deep, and in places, spectacular, gorges, cut by the Bruneau and Jarbidge Rivers, and Sheep Creek in countryside otherwise predominated by gently rolling plateaus. Topographic relief in the Bruneau River, Jarbidge River, and Sheep Creek West Study Areas is about 2,600 ft (793 m), 2,050 ft (625 m), and 1,450 ft (442 m), respectively; maximum elevations are about 5,200 ft (1,585 m), 5,750 ft (1,753 m), and 6,650 ft (2,027 m), respectively.

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

TABLE 1A. Bureau of Land Management Wilderness Study Areas in Owhyee County, Idaho covered in this report.

Wilderness Study Area	Size, Mi^2	Km^2	Acres
Bruneau River	140.6	365.6	90,000
Jarbidge River	73.4	190.9	47,000
Sheep Creek West	18.3	47.5	11,680

concentrations of elements that may be related to mineral deposits. Heavy-mineral-concentrate samples provide information about the chemistry of certain 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.

Analyses of unaltered or unmineralized rock samples provide background geochemical data for individual rock units. On the other hand, analyses of altered or mineralized rocks, where present, may provide useful geochemical information about the major- and trace-element assemblages associated with a mineralizing system.

Sample Collection

Heavy-mineral-concentrate and stream-sediment samples were collected at 422 sites (fig. 2). Rock samples were collected at 3 sites. Sampling density was about one sample site per 0.55 mi^2 for the stream sediments and heavy-mineral concentrates. The area of the drainage basins sampled ranged from .25 mi^2 to 4 mi^2.

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) streams as shown on USGS topographic map. Each sample was composited from several localities within an area that may extend as much as 20 ft from the site 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.

Rock samples

Rock samples were collected from various types of occurrences in the vicinity of the plotted site location.

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.

After air drying, bromoform (specific gravity 2.8) was used to remove the remaining quartz and feldspar from the heavy-mineral-concentrate samples that had been panned in the field. The resultant heavy-mineral sample was separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material, primarily magnetite, was not analyzed. The second fraction, largely ferromagnesian silicates and iron oxides, was saved for archival storage. The third fraction (the least magnetic 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° and a tilt of 10° 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.

Rock samples were crushed and then pulverized to minus 0.15 mm with ceramic plates.

Sample Analysis

Spectrographic method

The stream-sediment, heavy-mineral-concentrate, and rock samples were analyzed for 31 elements using semiquantitative, direct-current arc emission spectrographic methods. The analyses for heavy-mineral-concentrate samples were performed by analysts in the Branch of Geochemistry using the method of Grimes and Marranzino (1968); analyses for stream-sediment and rock samples were performed by analysts in the Branch of Analytical Chemistry using the method of Myers and others (1961). The elements analyzed and their lower limits of determination are listed in table 1B. For arsenic (As), gold (Au), cadmium (Cd), lanthanum (La), and thorium (Th), the lower limits of determination of the two analytical methods varies. The values in the parentheses are the limits of determination for Myers and others (1961). 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). Values determined for the major elements, iron, magnesium, calcium, and titanium, are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical data for samples from the Bruneau River, Jarbidge River, and Sheep Creek West Wilderness Study Areas are listed in tables 3-11.

Chemical methods

Rock and stream-sediment samples were also analyzed by atomic absorption (AA) for gold (Au) and mercury (Hg), and by inductively coupled plasma-atomic emission spectroscopy (ICP) for arsenic (As), antimony (Sb), zinc (Zn), bismuth (Bi), and cadmium (Cd). See table 2 for a more detailed summary of these chemical methods. Analytical results for stream-sediment, heavy-mineral-concentrate, and rock samples are listed in tables 3-11.

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

Tables 3-11 list the results of analyses for the samples of stream sediment, heavy-mineral concentrate, and rock, respectively. For the nine tables, the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers correspond to the numbers shown on the site location map (fig. 2). Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses; "aa" indicates atomic absorption analyses; "icp" indicates inductively coupled plasma-atomic emission spectroscopy. 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 1B. 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. If an element was not looked for in a sample, two dashes (--) are entered in place of an analytical value. Because of the formatting used in the computer program that produced tables 3-11, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) 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.

ACKNOWLEDGMENTS

A number of our colleagues also participated in the collection, analysis, and preparation of these samples: collection, David McIntyre and Scott Minor; analysis and preparation, M. J. Malcolm, J. G. Crock, T. McCollum, and D. Fey. Mary Lou Tompkins compiled and retrieved all of the computer data.

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

[The values shown are the lower limits of determination assigned by the Grimes and Marranzino method, except for those values in parentheses, which are the lower values assigned by the Myers and others method. 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 given for rocks.]

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	(700)	10,000
Gold (Au)	10	(15)	500
Boron (B)	10		2,000
Barium (Ba)	20		5,000
Beryllium (Be)	1		1,000
Bismuth (Bi)	10		1,000
Cadmium (Cd)	20	(30)	500
Cobalt (Co)	5		2,000
Chromium (Cr)	10		5,000
Copper (Cu)	5		20,000
Lanthanum (La)	20	(30)	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	(200)	2,000

TABLE 2.--Chemical methods used

[AA = atomic absorption; ICP = inductively coupled plasma spectroscopy]

Element or constituent determined	Sample type	Method	Determination limit (micrograms/ gram or ppm)	Reference
Gold (Au)	Rocks and sediments	AA	0.01	Modification of Thompson and others, 1968, by Crock and others, 1987.
Mercury (Hg)	Rocks and sediments	AA	0.02	Koirtyohann and Khalil, 1976.
Arsenic (As)	Rocks and sediments	ICP	5	Crock and others, 1987.
Antimony (Sb)		ICP	2	
Zinc (Zn)		ICP	2	
Bismuth (Bi)		ICP	2	
Cadmium (Cd)		ICP	0.1	

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
BR001S	42 20 23	115 38 20	5.0	3.0	3.0	.3	700	N	N	N	<10	700
BR002S	42 21 21	115 38 1	2.0	.7	1.5	.3	500	N	N	N	10	2,000
BR003S	42 20 50	115 38 17	3.0	1.5	2.0	.3	700	N	N	N	10	1,500
BR004S	42 22 31	115 37 2	2.0	.5	1.5	.3	300	N	N	N	10	1,500
BR005S	42 22 31	115 37 7	2.0	.7	1.5	.2	300	N	N	N	20	1,500
BR006S	42 23 31	115 37 34	2.0	.7	1.5	.3	500	N	N	N	10	1,500
BR007S	42 24 28	115 37 7	3.0	1.0	2.0	.3	700	N	N	N	10	1,000
BR008S	42 25 45	115 37 34	3.0	.7	1.5	.3	700	N	N	N	<10	1,500
BR009S	42 26 11	115 37 29	3.0	.7	1.5	.3	700	N	N	N	10	1,500
BR010S	42 26 27	115 37 4	3.0	.7	2.0	.3	500	N	N	N	10	1,000
BR011S	42 27 20	115 34 30	3.0	.3	1.5	.3	700	N	N	N	10	1,500
BR012S	42 30 28	115 35 30	3.0	.7	1.5	.3	500	N	N	N	10	1,500
BR013S	42 30 48	115 35 31	3.0	.7	1.5	.3	500	N	N	N	10	1,500
BR014S	42 32 15	115 35 23	3.0	1.0	1.5	.3	500	N	N	N	20	1,000
BR015S	42 32 45	115 35 31	3.0	.7	1.5	.3	700	N	N	N	15	1,000
BR016S	42 33 3	115 36 14	2.0	.7	1.5	.3	300	N	N	N	20	1,000
BR017S	42 33 22	115 37 57	3.0	.7	1.5	.3	500	N	N	N	10	1,500
BR018S	42 34 6	115 38 27	5.0	1.5	2.0	.5	700	N	N	N	<10	1,000
BR019S	42 35 28	115 39 21	3.0	1.5	1.5	.3	700	N	N	N	<10	1,000
BR020S	42 36 44	115 39 48	5.0	1.5	2.0	.3	500	N	N	N	<10	700
BR021S	42 37 18	115 41 13	3.0	1.0	1.5	.3	500	N	N	N	<10	700
BR022S	42 37 48	115 41 1	3.0	1.5	1.5	.3	700	N	N	N	<10	700
BR023S	42 38 4	115 41 24	3.0	.7	1.5	.3	700	N	N	N	<10	1,500
BR024S	42 38 42	115 41 43	3.0	1.5	2.0	.3	500	N	N	N	15	700
BR025S	42 39 27	115 42 16	2.0	.5	1.5	.3	300	N	N	N	<10	1,000
BR026S	42 39 22	115 41 49	3.0	1.0	1.5	.3	700	N	N	N	10	700
BR027S	42 40 8	115 41 25	3.0	1.0	1.5	.3	700	N	N	N	10	1,000
BR028S	42 40 50	115 41 47	3.0	1.5	3.0	.3	500	N	N	N	<10	1,000
BR029S	42 41 12	115 41 0	5.0	3.0	3.0	.5	700	N	N	N	<10	500
BR030S	42 43 25	115 41 41	7.0	3.0	3.0	.7	700	N	N	N	<10	700
BR031S	42 43 46	115 41 35	3.0	1.5	2.0	.3	500	N	N	N	<10	700
BR032S	42 44 11	115 41 49	5.0	3.0	3.0	.5	700	N	N	N	<10	700
BR033S	42 44 26	115 42 8	5.0	2.0	3.0	.5	700	N	N	N	<10	700
BR034S	42 18 45	115 49 32	3.0	.7	1.5	1.0	300	N	N	N	<10	700
BR035S	42 19 2	115 48 39	3.0	.7	1.5	.7	300	N	N	N	<10	700
BR036S	42 18 57	115 48 37	3.0	.7	1.0	.3	300	N	N	N	15	700
BR037S	42 15 59	115 46 39	3.0	1.0	1.5	.7	700	N	N	N	<10	700
BR038S	42 19 45	115 46 0	2.0	.5	1.5	.7	300	N	N	N	<10	700
BR039S	42 19 29	115 46 7	3.0	.7	1.5	.2	300	N	N	N	10	500
BR040S	42 21 18	115 43 23	3.0	1.0	1.5	.3	500	N	N	N	10	700
BR041S	42 22 16	115 44 4	3.0	1.0	1.5	.2	300	N	N	N	10	500
BR081S	42 25 39	115 47 14	2.0	.7	1.5	.2	300	N	N	N	10	700
BR082S	42 25 38	115 47 17	3.0	.7	.7	.3	300	N	N	N	15	500
BR083S	42 24 42	115 46 52	3.0	.7	1.5	.3	300	N	N	N	10	700
BR084S	42 24 42	115 46 49	3.0	.7	1.5	.3	300	N	N	N	10	700

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
BR001S	42 20 23	115 38 20	5.0	3.0	3.0	.3	700	N	N	N	<10	700
BR002S	42 21 21	115 38 1	2.0	.7	1.5	.3	500	N	N	N	10	2,000
BR003S	42 20 50	115 38 17	3.0	1.5	2.0	.3	700	N	N	N	10	1,500
BR004S	42 22 31	115 37 2	2.0	.5	1.5	.3	300	N	N	N	10	1,500
BR005S	42 22 31	115 37 7	2.0	.7	1.5	.2	300	N	N	N	20	1,500
BR006S	42 23 31	115 37 34	2.0	.7	1.5	.3	500	N	N	N	10	1,500
BR007S	42 24 28	115 37 7	3.0	1.0	2.0	.3	700	N	N	N	10	1,000
BR008S	42 25 45	115 37 34	3.0	.7	1.5	.3	700	N	N	N	<10	1,500
BR009S	42 26 11	115 37 29	3.0	.7	1.5	.3	700	N	N	N	10	1,500
BR010S	42 26 27	115 37 4	3.0	.7	2.0	.3	500	N	N	N	10	1,000
BR011S	42 27 20	115 34 30	3.0	.3	1.5	.3	700	N	N	N	10	1,500
BR012S	42 30 28	115 35 30	3.0	.7	1.5	.3	500	N	N	N	10	1,500
BR013S	42 30 48	115 35 31	3.0	.7	1.5	.3	500	N	N	N	10	1,500
BR014S	42 32 15	115 35 23	3.0	1.0	1.5	.3	500	N	N	N	20	1,000
BR015S	42 32 45	115 35 31	3.0	.7	1.5	.3	700	N	N	N	15	1,000
BR016S	42 33 3	115 36 14	2.0	.7	1.5	.3	300	N	N	N	20	1,000
BR017S	42 33 22	115 37 57	3.0	.7	1.5	.3	500	N	N	N	10	1,500
BR018S	42 34 6	115 38 27	5.0	1.5	2.0	.5	700	N	N	N	<10	1,000
BR019S	42 35 28	115 39 21	3.0	1.5	1.5	.3	700	N	N	N	<10	1,000
BR020S	42 36 44	115 39 48	5.0	1.5	2.0	.3	500	N	N	N	<10	700
BR021S	42 37 18	115 41 13	3.0	1.0	1.5	.3	500	N	N	N	<10	700
BR022S	42 37 48	115 41 1	3.0	1.5	1.5	.3	700	N	N	N	<10	700
BR023S	42 38 4	115 41 24	3.0	.7	1.5	.3	700	N	N	N	<10	1,500
BR024S	42 38 42	115 41 43	3.0	1.5	2.0	.3	500	N	N	N	15	700
BR025S	42 39 27	115 42 16	2.0	.5	1.5	.3	300	N	N	N	<10	1,000
BR026S	42 39 22	115 41 49	3.0	1.0	1.5	.3	700	N	N	N	10	700
BR027S	42 40 8	115 41 25	3.0	1.0	1.5	.3	700	N	N	N	10	1,000
BR028S	42 40 50	115 41 47	3.0	1.5	3.0	.3	500	N	N	N	<10	1,000
BR029S	42 41 12	115 41 0	5.0	3.0	3.0	.5	700	N	N	N	<10	500
BR030S	42 43 25	115 41 41	7.0	3.0	3.0	.7	700	N	N	N	<10	700
BR031S	42 43 46	115 41 35	3.0	1.5	2.0	.3	500	N	N	N	<10	700
BR032S	42 44 11	115 41 49	5.0	3.0	3.0	.5	700	N	N	N	<10	700
BR033S	42 44 26	115 42 8	5.0	2.0	3.0	.5	700	N	N	N	<10	700
BR034S	42 18 45	115 49 32	3.0	.7	1.5	1.0	300	N	N	N	<10	700
BR035S	42 19 2	115 48 39	3.0	.7	1.5	.7	300	N	N	N	<10	700
BR036S	42 18 57	115 48 37	3.0	.7	1.0	.3	300	N	N	N	15	700
BR037S	42 15 59	115 46 39	3.0	1.0	1.5	.7	700	N	N	N	<10	700
BR038S	42 19 45	115 46 0	2.0	.5	1.5	.7	300	N	N	N	<10	700
BR039S	42 19 29	115 46 7	3.0	.7	1.5	.2	300	N	N	N	10	500
BR040S	42 21 18	115 43 23	3.0	1.0	1.5	.3	500	N	N	N	10	700
BR041S	42 22 16	115 44 4	3.0	1.0	1.5	.2	300	N	N	N	10	500
BR081S	42 25 39	115 47 14	2.0	.7	1.5	.2	300	N	N	N	10	700
BR082S	42 25 38	115 47 17	3.0	.7	.7	.3	300	N	N	N	15	500
BR083S	42 24 42	115 46 52	3.0	.7	1.5	.3	300	N	N	N	10	700
BR084S	42 24 42	115 46 49	3.0	.7	1.5	.3	300	N	N	N	10	700

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR001S	1.5	N	N	15	300	30	70	N	<20	50	20	N	20	N
BR002S	1.5	N	N	7	30	10	70	<5	20	7	30	N	7	10
BR003S	1.5	N	N	15	150	15	70	N	<20	30	20	N	15	N
BR004S	1.5	N	N	5	30	15	100	<5	20	10	20	N	7	N
BR005S	1.5	N	N	7	30	15	70	N	20	7	20	N	7	N
BR006S	1.5	N	N	7	30	15	70	N	20	15	20	N	7	N
BR007S	1.5	N	N	15	100	30	70	N	20	30	20	N	15	N
BR008S	1.5	N	N	10	30	10	70	<5	20	7	20	N	7	N
BR009S	1.5	N	N	7	50	15	70	<5	20	10	20	N	10	N
BR010S	1.5	N	N	7	70	20	70	<5	<20	15	15	N	10	N
BR011S	1.5	N	N	5	30	15	70	<5	20	7	30	N	10	N
BR012S	1.5	N	N	7	50	20	70	<5	<20	15	20	N	10	N
BR013S	1.5	N	N	7	50	15	70	<5	20	20	15	N	10	N
BR014S	1.5	N	N	10	70	20	50	N	<20	20	15	N	10	N
BR015S	1.5	N	N	7	50	20	70	N	<20	10	15	N	10	N
BR016S	1.5	N	N	7	70	20	50	N	<20	20	20	N	10	N
BR017S	1.5	N	N	7	30	15	50	<5	20	7	20	N	10	N
BR018S	1.5	N	N	15	70	20	50	<5	20	30	20	N	15	N
BR019S	1.5	N	N	15	70	20	70	N	20	30	20	N	15	N
BR020S	1.5	N	N	15	100	30	50	<5	<20	30	15	N	15	N
BR021S	1.5	N	N	15	70	30	50	<5	<20	30	15	N	10	N
BR022S	1.5	N	N	15	70	20	50	N	<20	20	15	N	15	N
BR023S	1.5	N	N	5	20	15	100	N	20	7	20	N	10	N
BR024S	1.0	N	N	10	70	30	30	<5	<20	30	15	N	10	N
BR025S	1.0	N	N	7	30	10	50	N	<20	15	15	N	7	N
BR026S	1.0	N	N	10	70	20	50	N	<20	20	15	N	10	N
BR027S	1.0	N	N	10	70	20	50	N	<20	20	15	N	10	N
BR028S	1.0	N	N	15	70	20	50	N	<20	20	15	N	10	N
BR029S	1.0	N	N	20	150	50	<30	N	<20	50	15	N	20	N
BR030S	1.0	N	N	20	150	30	50	N	<20	50	15	N	20	N
BR031S	1.0	N	N	15	100	30	30	N	<20	30	15	N	15	N
BR032S	1.0	N	N	15	150	30	30	N	<20	30	15	N	20	N
BR033S	1.0	N	N	15	150	30	50	N	<20	50	15	N	20	N
BR034S	1.5	N	N	7	70	5	30	N	70	5	30	N	10	N
BR035S	1.5	N	N	7	70	7	70	N	50	7	30	N	15	N
BR036S	1.5	N	N	15	70	15	50	N	<20	15	15	N	15	N
BR037S	1.5	N	N	15	70	7	70	N	30	10	15	N	15	N
BR038S	1.5	N	N	7	30	5	70	N	30	7	20	N	10	N
BR039S	1.5	N	N	10	70	15	30	N	<20	15	15	N	15	N
BR040S	1.5	N	N	15	70	15	30	N	<20	15	15	N	15	N
BR041S	1.5	N	N	15	70	7	30	N	<20	20	15	N	15	N
BR081S	1.5	N	N	7	30	7	30	N	<20	10	15	N	10	N
BR082S	1.5	N	N	10	50	10	30	N	<20	15	15	N	15	N
BR083S	1.5	N	N	7	70	7	30	N	<20	15	15	N	15	N
BR084S	1.5	N	N	7	30	7	50	N	<20	10	15	N	15	N

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR001S	300	150	N	30	N	150	N	<.1	--	<5	<2	<.1	<2	36
BR002S	300	50	N	30	N	300	N	<.1	--	<5	<2	.4	<2	40
BR003S	300	150	N	30	N	200	N	<.1	--	<5	<2	.7	<2	43
BR004S	300	50	N	50	N	300	N	<.1	--	<5	<2	.4	<2	35
BR005S	300	50	N	30	N	200	N	<.1	--	<5	<2	.4	<2	51
BR006S	300	70	N	30	N	300	N	<.1	--	<5	<2	.5	<2	54
BR007S	300	150	N	30	N	200	N	<.1	--	<5	<2	.9	<2	59
BR008S	300	50	N	50	N	300	N	<.1	--	<5	<2	.6	<2	56
BR009S	300	70	N	50	N	300	N	<.1	--	<5	<2	.5	<2	51
BR010S	300	70	N	30	N	150	N	<.1	--	<5	<2	.7	<2	60
BR011S	500	70	N	50	N	300	N	<.1	--	<5	<2	.7	<2	74
BR012S	500	70	N	30	N	200	N	<.1	--	6	<2	.6	<2	56
BR013S	300	70	N	30	N	200	N	<.1	--	6	<2	.7	<2	61
BR014S	300	70	N	20	N	200	N	<.1	--	6	<2	.8	<2	71
BR015S	500	70	N	30	N	200	N	<.1	--	6	<2	.9	<2	79
BR016S	300	70	N	20	N	150	N	<.1	--	8	<2	.7	<2	62
BR017S	300	70	N	30	N	200	N	<.1	--	6	<2	.6	<2	56
BR018S	300	100	N	30	N	200	N	<.1	--	<5	<2	.9	<2	71
BR019S	300	100	N	30	N	150	N	<.1	--	<5	<2	.6	<2	53
BR020S	300	150	N	30	N	200	N	<.1	--	<5	<2	.8	<2	54
BR021S	300	70	N	20	N	150	N	<.1	--	<5	<2	.7	<2	48
BR022S	300	100	N	30	N	150	N	<.1	--	<5	<2	.6	<2	49
BR023S	300	70	N	50	N	300	N	<.1	--	<5	<2	.6	<2	54
BR024S	300	100	N	20	N	200	N	<.1	--	<5	<2	.7	<2	53
BR025S	300	70	N	20	N	150	N	<.1	--	<5	<2	.5	<2	38
BR026S	300	100	N	20	N	200	N	<.1	--	<5	<2	.8	<2	52
BR027S	300	100	N	30	N	150	N	<.1	--	6	<2	.8	<2	49
BR028S	300	100	N	20	N	200	N	<.1	--	<5	<2	.6	<2	45
BR029S	300	200	N	20	N	100	N	<.1	--	<5	<2	1.0	<2	67
BR030S	300	200	N	30	N	150	N	<.1	--	<5	<2	.9	<2	59
BR031S	300	150	N	20	N	150	N	<.1	--	<5	<2	.9	<2	52
BR032S	300	150	N	20	N	100	N	<.1	--	<5	<2	1.1	2	57
BR033S	300	200	N	30	N	150	N	<.1	--	<5	<2	.9	<2	55
BR034S	300	70	N	20	N	300	N	<.2	<.02	<5	<2	<.1	5	45
BR035S	300	70	N	30	N	300	N	<.2	<.02	<5	<2	.3	5	41
BR036S	300	70	N	20	N	100	N	<.1	.05	5	2	.9	7	79
BR037S	200	100	N	30	N	300	N	<.1	<.02	5	<2	1.1	9	100
BR038S	300	70	N	30	N	200	N	<.1	.02	<5	<2	.3	3	41
BR039S	300	70	N	20	N	150	N	<.1	.05	5	<2	.8	5	69
BR040S	300	70	N	20	N	100	N	<.1	.03	5	2	1.0	5	69
BR041S	300	70	N	20	N	150	N	<.1	.02	<5	<2	.8	5	59
BR081S	300	70	N	20	N	200	N	<.1	<.02	<5	<2	.4	4	41
BR082S	300	70	N	20	N	150	N	<.1	.03	<5	<2	.9	5	78
BR083S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.5	4	65
BR084S	300	70	N	30	N	150	N	<.1	.02	<5	<2	.7	3	64

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--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	Au-ppm s	B-ppm s	Ba-ppm s
BR085S	42 24 25	115 46 36	3.0	1.5	1.5	.3	500	N	N	N	<10	500
BR086S	42 24 27	115 46 27	3.0	.7	1.0	.3	300	N	N	N	<10	700
BR087S	42 23 17	115 46 22	3.0	.7	.7	.2	300	N	N	N	15	500
BR088S	42 23 14	115 46 22	3.0	1.0	1.0	.2	300	N	N	N	10	500
BR089S	42 23 45	115 47 51	3.0	1.0	1.5	.3	500	N	N	N	10	700
BR090S	42 19 33	115 42 18	3.0	1.0	1.0	.2	300	N	N	N	15	700
BR091S	42 22 16	115 44 43	3.0	1.0	1.5	.2	300	N	N	N	15	500
BR092S	42 22 24	115 45 17	3.0	1.5	1.5	.3	500	N	N	N	<10	700
BR093S	42 21 54	115 45 42	2.0	.7	1.5	.2	300	N	N	N	15	700
BR094S	42 21 52	115 45 43	2.0	.7	1.5	.3	300	N	N	N	15	700
BR095S	42 20 31	115 45 58	3.0	1.5	1.5	.3	300	N	N	N	15	700
BR096S	42 18 31	115 46 15	2.0	.7	1.5	.3	300	N	N	N	15	1,000
BR097S	42 17 3	115 46 21	3.0	1.0	1.5	.3	500	N	N	N	10	700
BR098S	42 22 48	115 45 4	3.0	1.5	1.5	.3	300	N	N	N	15	700
BR099S	42 23 12	115 44 58	3.0	1.0	1.5	.3	300	N	N	N	15	700
BR100S	42 23 54	115 45 34	7.0	1.0	1.5	.5	700	N	N	N	10	700
BR101S	42 23 51	115 45 40	3.0	.7	1.5	.3	700	N	N	N	10	700
BR102S	42 23 23	115 44 8	3.0	1.5	1.5	.3	700	N	N	N	15	700
BR103S	42 22 44	115 42 57	3.0	1.0	1.5	.3	700	N	N	N	15	700
BR104S	42 22 43	115 43 16	3.0	1.0	1.5	.3	500	N	N	N	15	700
BR105S	42 24 29	115 43 38	3.0	.7	1.5	.3	500	N	N	N	15	700
BR106S	42 24 45	115 44 15	3.0	1.0	1.5	.3	300	N	N	N	15	700
BR107S	42 25 25	115 44 42	7.0	.7	1.5	.7	700	N	N	N	15	700
BR108S	42 25 27	115 44 41	7.0	1.0	1.5	.7	700	N	N	N	<10	700
BR109S	42 26 13	115 43 51	3.0	1.0	1.5	.2	300	N	N	N	15	700
BR110S	42 26 27	115 44 48	5.0	.7	1.5	.7	700	N	N	N	<10	700
BR111S	42 26 50	115 44 7	3.0	.7	1.5	.5	500	N	N	N	<10	700
BR112S	42 26 45	115 44 8	3.0	.7	1.5	.5	300	N	N	N	<10	700
BR113S	42 27 25	115 43 32	3.0	.7	1.5	.3	300	N	N	N	15	700
BR114S	42 26 56	115 41 21	3.0	.7	1.5	.2	300	N	N	N	30	700
BR115S	42 26 37	115 39 31	1.5	.3	1.5	.2	300	N	N	N	15	700
BR116S	42 26 43	115 38 46	3.0	.7	1.5	.3	500	N	N	N	15	700
BR117S	42 26 35	115 41 36	2.0	.7	1.5	.3	300	N	N	N	20	700
BR118S	42 26 23	115 41 37	2.0	.7	1.0	.2	300	N	N	N	30	700
BR119S	42 27 35	115 38 31	2.0	.7	1.0	.2	300	N	N	N	20	700
BR121S	42 23 31	115 37 34	1.5	.7	1.5	.2	300	N	N	N	20	700
BR122S	42 25 33	115 37 31	2.0	.7	1.5	.2	300	N	N	N	30	700
BR123S	42 25 7	115 36 7	3.0	.7	1.0	.2	300	N	N	N	30	700
BR124S	42 29 26	115 36 36	2.0	.7	1.5	.2	300	N	N	N	30	700
BR125S	42 29 49	115 34 18	1.5	.7	1.0	.3	300	N	N	N	30	700
BR126S	42 22 34	115 35 8	3.0	.7	1.0	.3	300	N	N	N	20	700
BR127S	42 28 25	115 31 52	2.0	.7	1.0	.3	300	N	N	N	15	700
BR128S	42 29 32	115 41 5	2.0	.7	1.0	.3	300	N	N	N	15	700
BR129S	42 46 22	115 42 55	3.0	1.5	3.0	.7	300	N	N	N	<10	700
BR130S	42 45 10	115 43 5	3.0	1.5	3.0	.3	300	N	N	N	<10	700

TAPLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR085S	1.5	N	N	15	70	10	30	N	<20	30	15	N	15	N
BR086S	1.5	N	N	7	30	7	50	<5	<20	10	15	N	10	N
BR087S	1.5	N	N	10	70	15	30	N	<20	15	15	N	15	N
BR088S	1.5	N	N	10	50	10	30	N	<20	15	15	N	15	N
BR089S	1.5	N	N	10	50	10	30	N	<20	15	15	N	15	N
BR090S	1.5	N	N	7	30	10	30	N	<20	15	15	N	15	N
BR091S	1.5	N	N	10	50	15	30	N	<20	15	15	N	15	N
BR092S	1.5	N	N	15	70	7	70	N	20	15	15	N	15	N
BR093S	1.5	N	N	7	30	7	70	N	<20	7	15	N	10	N
BR094S	1.5	N	N	7	30	7	70	N	<20	10	15	N	15	N
BR095S	1.5	N	N	15	70	15	30	N	<20	20	15	N	15	N
BR096S	1.5	N	N	7	30	7	70	N	20	5	15	N	10	N
BR097S	1.5	N	N	15	50	7	70	N	<20	10	15	N	15	N
BR098S	1.5	N	N	10	30	10	50	N	<20	15	15	N	15	N
BR099S	1.5	N	N	10	30	10	50	N	<20	10	15	N	15	N
BR100S	1.5	N	N	10	30	7	70	<5	30	7	15	N	20	N
BR101S	1.5	N	N	7	30	7	70	<5	20	7	15	N	15	N
BR102S	1.5	N	N	10	30	10	50	<5	<20	15	15	N	15	N
BR103S	1.5	N	N	10	30	10	70	N	20	10	15	N	15	N
BR104S	1.5	N	N	10	30	7	30	N	20	10	15	N	15	N
BR105S	1.5	N	N	7	30	7	70	<5	20	7	15	N	15	N
BR106S	1.5	N	N	10	30	7	50	N	<20	7	15	N	15	N
BR107S	1.5	N	N	15	30	7	30	5	30	7	15	N	15	N
BR108S	1.5	N	N	15	30	7	30	5	30	7	15	N	20	N
BR109S	1.5	N	N	7	30	10	30	N	<20	10	15	N	15	N
BR110S	1.5	N	N	10	30	7	50	<5	30	<5	15	N	15	N
BR111S	1.5	N	N	7	30	7	50	N	20	5	15	N	15	N
BR112S	1.5	N	N	10	30	7	50	<5	30	5	15	N	15	N
BR113S	1.5	N	N	7	30	7	50	<5	<20	7	15	N	15	N
BR114S	1.0	N	N	7	70	15	50	N	<20	15	15	N	15	N
BR115S	1.5	N	N	5	30	7	70	N	<20	5	15	N	7	N
BR116S	1.5	N	N	7	30	7	70	<5	20	10	15	N	15	N
BR117S	1.5	N	N	7	70	10	50	N	<20	10	15	N	15	N
BR118S	1.5	N	N	7	70	10	50	N	<20	10	15	N	15	N
BR119S	1.5	N	N	7	70	7	50	N	<20	10	15	N	15	N
BR121S	1.5	N	N	7	50	7	50	N	10	10	15	N	10	N
BR122S	1.5	N	N	7	50	7	50	N	10	10	15	N	10	N
BR123S	1.5	N	N	7	70	15	50	N	15	15	15	N	15	N
BR124S	1.5	N	N	7	50	10	50	N	15	15	15	N	15	N
BR125S	1.5	N	N	7	30	10	50	N	10	10	15	N	10	N
BR126S	1.5	N	N	7	70	10	50	N	10	10	15	N	10	N
BR127S	1.5	N	N	7	50	15	30	N	15	15	15	N	7	N
BR128S	1.5	N	N	7	50	15	50	N	10	10	15	N	10	N
BR129S	1.5	N	N	15	150	15	70	N	20	15	15	N	20	N
BR130S	1.5	N	N	10	70	15	70	N	<20	15	15	N	15	N

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR085S	300	150	N	20	N	150	N	<.1	.04	6	<2	1.1	5	69
BR086S	300	50	N	20	N	150	N	<.1	.04	<5	<2	.7	3	65
BR087S	200	70	N	20	N	150	N	<.1	.05	5	<2	1.0	4	95
BR088S	300	70	N	20	N	150	N	<.1	.03	<5	<2	.9	4	79
BR089S	300	70	N	20	N	150	N	<.1	.04	<5	<2	.8	3	69
BR090S	300	70	N	20	N	100	N	<.1	.03	<5	<2	.8	4	71
BR091S	300	70	N	20	N	100	N	<.1	.03	<5	<2	.9	3	76
BR092S	300	70	N	30	N	150	N	<.1	.02	<5	<2	.8	3	69
BR093S	300	50	N	30	N	150	N	<.1	.03	<5	<2	.6	<2	54
BR094S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.6	2	59
BR095S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.9	3	72
BR096S	300	50	N	30	N	200	N	<.1	.03	<5	<2	.4	<2	40
BR097S	300	70	N	30	N	200	N	<.1	.02	<5	<2	.9	2	93
BR098S	300	70	N	30	N	150	N	<.1	.04	<5	<2	.7	<2	73
BR099S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.6	2	79
BR100S	300	70	N	50	N	150	N	<.1	.03	<5	3	.9	<2	100
BR101S	300	30	N	50	N	150	N	<.2	.03	<5	<2	.6	<2	60
BR102S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.8	2	70
BR103S	300	50	N	30	N	150	N	<.1	.03	<5	<2	.8	2	75
BR104S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.8	2	76
BR105S	300	30	N	30	N	150	N	<.1	.03	<5	<2	.6	<2	72
BR106S	300	70	N	30	N	150	N	<.1	.03	<5	<2	1.0	<2	99
BR107S	300	70	N	30	300	150	N	<.1	.03	<5	<2	1.8	<2	160
BR108S	300	70	N	30	300	150	N	<.1	.02	<5	<2	1.8	<2	170
BR109S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.8	<2	72
BR110S	300	70	N	30	<200	150	N	<.1	.02	<5	<2	.8	<2	110
BR111S	300	50	N	30	N	150	N	<.1	<.02	<5	<2	.7	<2	85
BR112S	300	50	N	30	N	150	N	<.1	.02	<5	<2	.8	<2	91
BR113S	300	70	N	20	N	150	N	<.1	.02	<5	<2	.2	<2	87
BR114S	300	100	N	15	N	100	N	<.1	.04	<5	<2	.6	<2	73
BR115S	300	30	N	20	N	150	N	<.1	<.02	<5	<2	.2	<2	36
BR116S	300	70	N	30	N	150	N	<.1	<.02	<5	<2	.4	2	62
BR117S	300	70	N	15	N	150	N	<.1	.03	<5	<2	.5	<2	64
BR118S	200	70	N	20	N	100	N	<.1	.04	<5	<2	.7	2	80
BR119S	300	70	N	20	N	100	N	<.1	.05	<5	2	.6	2	71
BR121S	300	70	N	20	N	150	N	<.1	<.02	<5	<2	.4	<2	57
BR122S	300	70	N	30	N	100	N	<.1	.06	<5	<2	.6	<2	71
BR123S	200	70	N	20	N	100	N	<.1	.04	7	<2	.6	<2	73
BR124S	200	70	N	20	N	100	N	<.1	<.02	5	<2	.5	<2	71
BR125S	200	70	N	20	N	100	N	<.1	<.02	<5	<2	.6	<2	68
BR126S	200	70	N	20	N	100	N	<.1	<.02	5	<2	.5	<2	66
BR127S	150	70	N	15	N	150	N	<.1	.06	<5	<2	.5	<2	61
BR128S	200	70	N	20	N	150	N	<.1	<.02	<5	<2	.6	<2	66
BR129S	200	150	N	30	N	100	N	<.1	<.02	<5	<2	.7	<2	64
BR130S	200	150	N	30	N	100	N	<.1	<.02	<5	<2	.4	<2	65

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--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	Au-ppm s	B-ppm s	Ba-ppm s
BR131S	42 45 45	115 43 51	5.0	1.5	3.0	.7	500	N	N	N	<10	300
BR132S	42 30 41	115 39 44	3.0	.7	1.5	.3	300	N	N	N	15	700
BR133S	42 31 33	115 34 4	2.0	.7	1.5	.2	300	N	N	N	15	500
BR134S	42 34 37	115 32 17	3.0	.7	1.5	.3	300	N	N	N	15	500
BR135S	42 34 32	115 33 25	3.0	1.0	1.5	.3	300	N	N	N	15	500
BR136S	42 34 56	115 35 25	3.0	.7	1.5	.3	300	N	N	N	15	500
BR137S	42 34 38	115 40 15	2.0	.7	1.5	.2	300	N	N	N	15	500
BR138S	42 34 39	115 40 25	3.0	.7	1.5	.5	500	N	N	N	15	500
BR139S	42 36 8	115 41 4	2.0	.7	1.5	.2	300	N	N	N	15	700
BR140S	42 37 15	115 43 3	3.0	.7	1.5	.3	300	N	N	N	15	700
BR141S	42 37 9	115 43 0	2.0	.7	1.0	.3	300	N	N	N	15	700
BR142S	42 39 25	115 42 30	1.5	.7	1.0	.2	300	N	N	N	15	500
BR143S	42 39 32	115 42 31	1.5	.7	1.5	.3	300	N	N	N	15	300

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR131S	1.5	N	N	15	150	15	50	N	<20	30	15	N	20	N
BR132S	1.5	N	N	7	70	7	30	N	<20	15	15	N	10	N
BR133S	1.5	N	N	7	70	10	50	N	<20	15	15	N	10	N
BR134S	1.5	N	N	7	70	7	70	N	<20	15	15	N	10	N
BR135S	1.5	N	N	10	70	7	50	N	<20	15	15	N	15	N
BR136S	1.0	N	N	7	50	7	50	N	<20	15	15	N	10	N
BR137S	1.0	N	N	7	30	7	70	N	<20	10	15	N	7	N
BR138S	1.5	N	N	7	30	7	50	N	20	7	15	N	10	N
BR139S	1.0	N	N	7	50	7	50	N	<20	10	15	N	10	N
BR140S	1.5	N	N	7	30	7	50	N	<20	7	15	N	10	N
BR141S	1.5	N	N	7	30	10	50	N	<20	7	15	N	10	N
BR142S	1.0	N	N	7	50	7	30	N	<20	7	15	N	7	N
BR143S	1.5	N	N	7	30	7	30	N	<20	7	15	N	7	N

TABLE 3.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR131S	150	150	N	30	N	150	N	<.1	<.02	<5	<2	1.0	<2	80
BR132S	150	70	N	20	N	150	N	<.1	<.02	<5	<2	.5	<2	68
BR133S	150	70	N	20	N	150	N	<.1	.02	<5	<2	.6	<2	63
BR134S	150	70	N	20	N	150	N	<.1	<.02	<5	<2	.4	<2	61
BR135S	150	70	N	20	N	150	N	<.1	<.02	<5	<2	.7	<2	66
BR136S	150	70	N	20	N	150	N	<.1	<.02	<5	<2	.5	<2	62
BR137S	150	50	N	20	N	150	N	<.1	<.02	<5	<2	.5	<2	56
BR138S	150	70	N	20	N	150	N	<.1	<.02	<5	2	.7	<2	110
BR139S	150	70	N	20	N	150	N	<.1	<.02	<5	<2	.5	<2	64
BR140S	150	70	N	30	N	150	N	<.1	<.02	<5	<2	.4	<2	61
BR141S	150	70	N	15	N	100	N	<.1	<.02	<5	<2	.6	<2	68
BR142S	150	70	N	15	N	150	N	<.1	<.02	<5	<2	.4	<2	59
BR143S	150	50	N	15	N	150	N	<.1	<.02	<5	<2	.4	<2	47

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
BR001C	42 20 23	115 38 20	2.0	1.50	7.0	>2.0	700	N	N	N	100	5,000
BR003C	42 20 50	115 38 17	2.0	1.00	15.0	>2.0	1,000	N	N	N	100	500
BR004C	42 22 31	115 37 2	2.0	1.50	10.0	>2.0	700	N	N	N	70	>10,000
BR005C	42 22 31	115 37 7	2.0	1.50	10.0	>2.0	700	N	N	N	100	2,000
BR006C	42 23 31	115 37 34	2.0	1.00	10.0	>2.0	1,000	N	N	N	100	700
BR007C	42 24 28	115 37 7	1.5	1.00	5.0	2.0	500	N	N	N	100	2,000
BR008C	42 25 46	115 37 34	1.5	.50	7.0	>2.0	700	N	N	N	100	1,000
BR009C	42 26 11	115 37 29	2.0	1.50	7.0	2.0	700	N	N	N	150	1,000
BR010C	42 26 27	115 37 4	2.0	1.00	7.0	2.0	700	N	N	N	200	1,000
BR012C	42 30 28	115 35 30	2.0	1.00	7.0	2.0	1,000	N	N	N	50	700
BR013C	42 30 48	115 35 31	7.0	5.00	10.0	>2.0	1,500	N	N	N	100	500
BR014C	42 32 15	115 35 23	2.0	1.50	5.0	>2.0	700	N	N	N	100	1,000
BR017C	42 33 22	115 37 57	3.0	1.50	7.0	>2.0	1,000	N	N	N	70	500
BR018C	42 34 6	115 38 27	.7	.50	2.0	.7	200	N	N	N	30	1,000
BR019C	42 35 28	115 39 21	.5	.20	2.0	.5	150	N	N	N	30	700
BR020C	42 36 44	115 39 48	3.0	1.50	10.0	>2.0	700	N	N	N	50	5,000
BR021C	42 37 18	115 41 13	2.0	1.00	10.0	>2.0	1,000	10.0	N	N	50	700
BR023C	42 38 4	115 41 24	1.0	.50	3.0	.5	200	N	N	N	50	1,000
BR024C	42 38 42	115 41 43	3.0	1.00	20.0	>2.0	1,500	N	N	N	100	10,000
BR025C	42 39 27	115 42 16	1.0	.50	10.0	>2.0	700	N	N	N	100	500
BR027C	42 40 8	115 41 25	1.5	1.50	20.0	>2.0	700	N	N	N	100	500
BR028C	42 40 50	115 41 47	2.0	1.00	20.0	>2.0	1,000	N	N	N	100	200
BR029C	42 41 12	115 41 0	1.0	.50	5.0	.7	100	N	N	N	50	1,000
BR030C	42 43 25	115 41 41	2.0	.70	10.0	>2.0	700	N	N	N	100	200
BR031C	42 43 46	115 41 35	2.0	.70	10.0	>2.0	1,000	N	N	N	100	1,500
BR032C	42 44 11	115 41 49	2.0	1.50	15.0	>2.0	1,000	N	N	N	200	300
BR033C	42 44 26	115 42 8	1.0	1.00	7.0	2.0	700	N	N	N	30	2,000
BR034C	42 18 45	115 49 32	1.0	1.50	1.0	>2.0	500	N	N	N	100	1,500
BR035C	42 19 2	115 48 39	1.0	1.50	3.0	>2.0	300	N	N	N	100	1,000
BR037C	42 15 59	115 46 39	.5	.50	5.0	>2.0	200	N	N	N	50	2,000
BR038C	42 19 45	115 46 0	.7	1.00	5.0	>2.0	300	N	N	N	100	500
BR039C	42 19 29	115 46 7	.5	.50	7.0	3.0	500	1.5	N	N	150	1,000
BR040C	42 21 18	115 43 23	.5	.50	10.0	>2.0	500	N	N	N	70	1,000
BR041C	42 22 16	115 44 4	1.0	.70	5.0	>2.0	N	N	N	N	100	1,000
BR081C	42 25 39	115 47 14	.5	.07	3.0	>2.0	N	N	N	N	20	1,000
BR082C	42 25 38	115 47 17	1.0	.50	5.0	2.0	N	N	N	N	20	700
BR083C	42 24 42	115 46 52	.5	.15	3.0	2.0	N	N	N	N	30	700
BR084C	42 24 42	115 46 49	.3	.15	3.0	2.0	N	N	N	N	50	1,000
BR085C	42 24 25	115 46 36	.7	.50	5.0	1.0	N	N	N	N	70	700
BR086C	42 24 27	115 46 27	.7	.15	5.0	3.0	N	N	N	N	100	1,000
BR087C	42 23 17	115 46 22	1.0	1.00	7.0	>2.0	N	2.0	N	N	100	300
BR088C	42 23 14	115 46 22	.5	.20	7.0	>2.0	N	N	N	N	70	500
BR089C	42 23 45	115 47 51	1.5	1.00	3.0	>3.0	N	2.0	N	N	70	1,000
BR090C	42 19 33	115 42 18	.3	.07	3.0	3.0	N	3.0	N	N	100	1,500
BR091C	42 22 16	115 44 43	.5	.15	3.0	>2.0	N	N	N	N	70	1,000

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR001C	3	N	N	<10	200	20	500	N	50	30	N	N	20	50
BR003C	3	N	N	<10	100	30	500	N	70	20	N	N	<10	100
BR004C	3	N	N	<10	100	20	300	N	70	30	N	N	<10	20
BR005C	5	N	N	<10	100	150	300	N	<50	20	N	N	<10	200
BR006C	5	N	N	<10	150	20	500	N	70	30	N	N	<10	30
BR007C	2	N	N	<10	150	15	300	N	<50	30	20	N	<10	N
BR008C	3	N	N	<10	150	15	300	N	50	20	N	N	<10	<20
BR009C	2	N	N	<10	150	15	200	N	<50	30	N	N	<10	N
BR010C	2	N	N	<10	150	15	150	N	<50	30	N	N	<10	N
BR012C	3	N	N	<10	100	20	200	N	50	30	N	N	<10	50
BR013C	2	N	N	20	700	30	300	N	100	100	N	N	70	70
BR014C	2	N	N	10	200	20	500	N	100	30	N	N	30	50
BR017C	3	N	N	10	300	15	300	N	50	70	N	N	50	<20
BR018C	N	N	N	<10	100	<10	100	N	<50	20	N	N	N	N
BR019C	<2	N	N	<10	50	<10	70	N	50	20	<20	N	N	N
BR020C	N	N	N	15	150	30	300	N	70	50	N	N	<10	<20
BR021C	3	N	N	10	100	20	300	N	50	30	N	N	<10	50
BR023C	<2	N	N	<10	50	<10	50	N	<50	20	<20	N	N	N
BR024C	<2	N	N	20	200	30	300	<10	150	30	N	N	30	20
BR025C	2	N	N	N	100	15	300	<10	70	20	50	N	<10	70
BR027C	3	N	N	N	200	20	300	N	150	30	N	N	<10	100
BR028C	3	N	N	N	100	20	500	N	100	30	N	N	10	50
BR029C	N	N	N	N	50	10	50	N	<50	20	<20	N	N	N
BR030C	3	N	N	N	150	20	200	N	100	20	N	N	30	100
BR031C	3	N	N	N	100	20	500	N	100	20	N	N	20	70
BR032C	5	N	N	<10	100	30	500	<10	150	30	N	N	30	300
BR033C	2	N	N	N	50	10	200	N	70	20	N	N	10	30
BR034C	5	N	N	N	50	N	200	N	N	50	500	N	100	100
BR035C	5	N	N	N	100	N	1,000	N	N	30	N	N	50	700
BR037C	2	N	N	N	50	N	200	N	N	30	N	N	N	N
BR038C	5	N	N	N	200	N	200	N	N	50	N	N	50	1,000
BR039C	3	N	N	N	50	N	500	N	N	50	N	N	N	30
BR040C	5	N	N	N	70	N	300	N	N	30	N	N	N	100
BR041C	<2	N	N	<10	100	N	500	N	50	30	N	N	N	N
BR081C	5	N	N	N	30	N	100	N	N	30	N	N	N	N
BR082C	<2	N	N	<10	100	N	200	N	<50	20	N	N	N	300
BR083C	2	N	N	N	50	N	200	N	N	20	N	N	N	500
BR084C	2	N	N	N	30	N	100	N	N	20	N	N	N	N
BR085C	<2	N	N	10	70	N	100	N	<50	30	N	N	N	N
BR086C	3	N	N	N	50	N	150	N	N	15	N	N	N	700
BR087C	2	N	N	<10	150	N	500	N	200	30	N	N	N	100
BR088C	3	N	N	<10	100	N	200	N	50	20	N	N	N	3,000
BR089C	<2	N	N	N	150	N	300	N	<50	50	N	N	N	500
BR090C	3	N	N	N	50	N	150	N	N	30	700	N	N	1,000
BR091C	3	N	N	<10	70	N	150	N	<50	20	N	N	N	<20

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR001C	1,000	200	N	700	N	>2,000	500	--	--	--	--	--	--	--
BR003C	1,000	200	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR004C	1,000	150	N	700	N	>2,000	N	--	--	--	--	--	--	--
BR005C	1,000	150	N	700	N	>2,000	N	--	--	--	--	--	--	--
BR006C	1,000	200	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR007C	700	100	N	200	N	>2,000	N	--	--	--	--	--	--	--
BR008C	1,000	100	N	200	N	>2,000	N	--	--	--	--	--	--	--
BR009C	1,000	150	N	200	N	>2,000	N	--	--	--	--	--	--	--
BR010C	1,000	100	N	200	N	>2,000	N	--	--	--	--	--	--	--
BR012C	700	100	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR013C	500	300	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR014C	500	150	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR017C	500	200	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR018C	500	50	100	100	N	>2,000	N	--	--	--	--	--	--	--
BR019C	500	50	<100	70	N	>2,000	<200	--	--	--	--	--	--	--
BR020C	1,000	100	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR021C	700	100	N	700	N	>2,000	N	--	--	--	--	--	--	--
BR023C	500	50	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR024C	1,000	200	N	700	N	>2,000	N	--	--	--	--	--	--	--
BR025C	500	150	N	500	N	>2,000	N	--	--	--	--	--	--	--
BR027C	1,000	200	N	1,000	N	>2,000	N	--	--	--	--	--	--	--
BR028C	1,000	200	N	1,000	N	>2,000	N	--	--	--	--	--	--	--
BR029C	500	50	<100	70	N	>2,000	N	--	--	--	--	--	--	--
BR030C	700	150	N	700	N	>2,000	N	--	--	--	--	--	--	--
BR031C	1,000	150	<100	700	N	>2,000	N	--	--	--	--	--	--	--
BR032C	1,500	150	N	1,000	N	>2,000	N	--	--	--	--	--	--	--
BR033C	700	100	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR034C	200	100	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR035C	200	150	<100	1,000	N	>2,000	N	--	--	--	--	--	--	--
BR037C	1,000	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR038C	1,000	100	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR039C	500	50	N	300	N	>3,000	N	--	--	--	--	--	--	--
BR040C	1,000	30	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR041C	1,000	100	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR081C	1,000	100	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR082C	700	100	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR083C	1,000	50	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR084C	1,000	50	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR085C	1,000	70	<100	70	N	>2,000	N	--	--	--	--	--	--	--
BR086C	1,000	50	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR087C	700	100	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR088C	1,000	70	<100	200	N	>2,000	300	--	--	--	--	--	--	--
BR089C	1,000	150	N	300	N	>3,000	N	--	--	--	--	--	--	--
BR090C	1,000	100	N	300	N	>3,000	N	--	--	--	--	--	--	--
BR091C	1,000	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--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	Au-ppm s	B-ppm s	Ba-ppm s
BR092C	42 22 24	115 45 17	.5	.20	5.0	>2.0	N	N	N	N	70	3,000
BR093C	42 21 54	115 45 42	.2	.05	3.0	3.0	N	3.0	N	N	70	500
BR094C	42 21 52	115 45 43	.3	.20	7.0	2.0	N	N	N	N	50	1,500
BR095C	42 20 31	115 45 58	.7	.50	7.0	>2.0	N	N	N	N	50	500
BR096C	42 18 31	115 46 15	.2	.07	7.0	>2.0	300	N	N	N	50	700
BR097C	42 17 3	115 46 21	.3	.10	3.0	.7	100	N	N	N	50	1,000
BR098C	42 22 48	115 45 4	1.0	.30	15.0	>5.0	700	N	N	N	50	5,000
BR099C	42 23 12	115 44 58	.7	.50	7.0	2.0	500	N	N	N	50	1,000
BR100C	42 23 54	115 45 34	.5	.10	2.0	.5	100	N	N	N	50	700
BR101C	42 23 51	115 45 40	.3	.10	2.0	.7	150	N	N	N	50	700
BR102C	42 23 23	115 44 8	.3	.20	10.0	2.0	500	N	N	N	100	700
BR103C	42 22 44	115 42 57	.5	.20	5.0	.7	150	N	N	N	50	1,000
BR104C	42 22 43	115 43 16	.3	.15	2.0	1.0	150	N	N	N	50	1,000
BR105C	42 24 29	115 43 38	.7	.30	2.0	1.5	300	N	N	N	30	700
BR106C	42 24 45	115 44 15	.3	.10	2.0	.3	50	N	N	N	50	1,000
BR107C	42 25 25	115 44 42	.5	.20	2.0	.5	100	N	N	N	50	1,000
BR108C	42 25 27	115 44 41	.3	.10	2.0	.3	50	N	N	N	30	1,000
BR109C	42 26 13	115 43 51	.3	.20	2.0	1.5	100	N	N	N	30	500
BR110C	42 26 27	115 44 48	1.0	.30	2.0	1.5	300	N	N	N	100	700
BR111C	42 26 50	115 44 7	.3	.10	2.0	.3	50	N	N	N	70	1,000
BR112C	42 26 45	115 44 8	.5	.15	1.0	1.0	150	N	N	N	100	1,000
BR113C	42 27 25	115 43 32	.5	.15	2.0	1.0	100	N	N	N	100	1,000
BR114C	42 26 56	115 41 21	.7	.50	2.0	1.0	500	N	N	N	70	300
BR115C	42 26 37	115 39 31	.5	.10	3.0	2.0	700	N	N	N	50	700
BR116C	42 26 43	115 38 46	.7	.20	2.0	1.0	200	N	N	N	100	1,000
BR117C	42 26 35	115 41 36	.5	.20	2.0	>2.0	200	N	N	N	70	500
BR118C	42 26 23	115 41 37	.5	.20	3.0	1.5	300	N	N	N	50	300
BR119C	42 27 35	115 38 21	.3	.20	1.0	1.5	150	N	N	N	50	700
BR120C	42 24 44	115 37 14	1.0	.50	1.0	>2.0	300	N	N	N	100	700
BR121C	42 23 31	115 37 34	.2	.15	3.0	2.0	300	N	N	N	50	1,000
BR123C	42 25 7	115 36 7	.2	.10	2.0	2.0	100	N	N	N	70	700
BR124C	42 29 26	115 36 36	.2	.10	1.5	2.0	100	N	N	N	70	500
BR125C	42 29 49	115 34 18	.5	.20	1.5	1.0	200	N	N	N	30	300
BR127C	42 28 25	115 31 52	.2	.20	2.0	>2.0	150	N	N	N	100	500
BR128C	42 29 32	115 41 5	.5	.50	2.0	2.0	200	N	N	N	150	700
BR129C	42 46 22	115 42 55	.5	.50	7.0	>2.0	700	N	N	N	100	>10,000
BR130C	42 45 10	115 43 5	.2	.05	2.0	1.0	70	N	N	N	30	1,000
BR131C	42 45 45	115 43 51	.5	.20	7.0	1.5	500	N	N	N	30	700
BR132C	42 30 41	115 39 44	.5	.20	3.0	1.5	300	N	N	N	30	700
BR133C	42 31 33	115 34 4	.7	.30	3.0	2.0	300	N	N	N	100	700
BR134C	42 34 37	115 32 17	.2	.10	3.0	1.0	100	N	N	N	50	1,000
BR135C	42 34 32	115 33 25	.5	.30	2.0	1.5	200	N	N	N	100	1,000
BR136C	42 34 56	115 35 25	.5	.20	2.0	.2	300	N	N	N	70	700
BR137C	42 34 38	115 40 15	.3	.30	3.0	>2.0	300	N	N	N	50	500
BR138C	42 34 39	115 40 25	.2	.10	2.0	.5	100	N	N	N	30	1,000

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR092C	5	N	N	<10	50	N	150	N	50	20	N	N	N	<20
BR093C	<2	N	N	N	30	N	150	N	N	30	N	N	N	N
BR094C	5	N	N	N	70	N	300	N	<50	20	N	N	N	20
BR095C	2	N	N	<10	100	N	200	N	50	20	N	N	N	<20
BR096C	2	N	N	N	20	<10	200	N	<50	10	N	N	N	70
BR097C	2	N	N	N	<20	<10	<50	N	N	15	N	N	N	200
BR098C	5	N	N	N	50	N	200	N	70	30	N	N	N	N
BR099C	2	N	N	N	100	10	100	N	N	30	N	N	N	150
BR100C	<2	N	N	N	<20	<10	<50	N	N	10	N	N	N	100
BR101C	<2	N	N	N	30	<10	100	N	N	10	N	N	N	N
BR102C	2	N	N	N	50	<10	300	N	<50	10	N	N	N	1,000
BR103C	<2	N	N	N	<20	<10	<50	N	<50	10	N	N	N	N
BR104C	2	N	N	N	50	<10	<50	N	<50	20	N	N	N	300
BR105C	<2	N	N	N	20	<10	100	N	N	20	N	N	N	N
BR106C	<2	N	N	N	30	<10	<50	N	N	<10	N	N	N	N
BR107C	<2	N	N	N	20	<10	<50	N	N	10	N	N	N	N
BR108C	<2	N	N	N	30	<10	<50	N	N	10	N	N	N	N
BR109C	<2	N	N	N	100	15	<50	N	N	20	N	N	N	N
BR110C	<2	N	N	N	30	<10	200	N	N	30	N	N	N	N
BR111C	<2	N	N	N	30	<10	<50	N	N	<10	N	N	N	N
BR112C	<2	N	N	N	20	<10	<50	N	N	20	N	N	N	200
BR113C	<2	N	N	N	100	<10	<50	N	N	30	N	N	N	N
BR114C	<2	N	N	N	30	10	<50	N	N	30	N	N	N	N
BR115C	<2	N	N	N	30	<10	<50	N	N	20	N	N	N	N
BR116C	2	N	N	N	30	<10	<50	N	N	20	N	N	N	N
BR117C	<2	N	N	N	50	<10	100	N	N	30	N	N	20	1,000
BR118C	<5	N	N	N	50	N	N	N	N	30	N	N	<30	N
BR119C	<2	N	N	N	20	<10	<50	N	<50	20	N	N	N	N
BR120C	2	N	N	N	70	10	300	N	<50	30	N	N	N	N
BR121C	3	N	N	N	50	<10	200	N	N	20	N	N	N	100
BR123C	3	N	N	N	<20	<10	<50	N	N	20	N	N	N	70
BR124C	3	N	N	N	20	<10	<50	N	N	20	N	N	N	<20
BR125C	<2	N	N	N	30	N	<50	N	N	20	30	N	N	N
BR127C	3	N	N	N	20	<10	<50	N	N	20	N	N	N	50
BR128C	<2	N	N	N	100	<10	200	N	<50	30	N	N	N	N
BR129C	3	N	N	N	30	10	500	N	50	20	N	N	N	50
BR130C	<2	N	N	N	<20	<10	<50	N	N	15	N	N	N	70
BR131C	2	N	N	N	50	<10	100	N	N	15	100	N	N	100
BR132C	<2	N	N	N	70	<10	70	N	N	20	N	N	N	N
BR133C	2	N	N	N	100	15	100	N	N	20	N	N	N	<20
BR134C	<2	N	N	N	<20	<10	<50	N	N	15	N	N	N	70
BR135C	<2	N	N	N	20	10	100	N	N	20	N	N	N	N
BR136C	<2	N	N	N	<20	<10	<50	N	N	15	N	N	N	N
BR137C	<2	N	N	N	30	<10	150	N	<50	20	N	N	N	N
BR138C	<2	N	N	N	20	<10	<50	N	N	15	N	N	N	N

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR092C	1,000	70	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR093C	1,000	50	N	300	N	>3,000	N	--	--	--	--	--	--	--
BR094C	1,000	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR095C	1,000	100	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR096C	1,000	70	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR097C	700	30	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR098C	700	100	<200	500	N	>5,000	N	--	--	--	--	--	--	--
BR099C	700	50	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR100C	500	30	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR101C	700	30	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR102C	700	50	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR103C	500	50	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR104C	500	30	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR105C	700	50	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR106C	500	20	<100	30	N	>2,000	N	--	--	--	--	--	--	--
BR107C	500	30	<100	70	N	>2,000	N	--	--	--	--	--	--	--
BR108C	500	20	<100	70	N	>2,000	N	--	--	--	--	--	--	--
BR109C	500	50	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR110C	500	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR111C	700	20	<100	50	N	>2,000	N	--	--	--	--	--	--	--
BR112C	700	50	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR113C	700	50	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR114C	700	70	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR115C	700	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR116C	500	50	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR117C	500	70	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR118C	500	50	<300	300	N	>2,000	N	--	--	--	--	--	--	--
BR119C	500	50	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR120C	500	100	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR121C	700	70	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR123C	500	70	<100	500	N	>2,000	N	--	--	--	--	--	--	--
BR124C	500	70	<100	700	N	>2,000	N	--	--	--	--	--	--	--
BR125C	500	70	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR127C	500	70	<100	300	N	>2,000	<200	--	--	--	--	--	--	--
BR128C	500	50	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR129C	1,000	100	<100	700	N	>2,000	N	--	--	--	--	--	--	--
BR130C	500	30	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR131C	700	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR132C	500	70	<100	200	N	>2,000	N	--	--	--	--	--	--	--
BR133C	500	100	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR134C	500	30	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR135C	500	50	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR136C	500	30	<100	20	N	2,000	N	--	--	--	--	--	--	--
BR137C	700	70	<100	300	N	>2,000	N	--	--	--	--	--	--	--
BR138C	700	30	<100	100	N	>2,000	N	--	--	--	--	--	--	--

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--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	Au-ppm s	B-ppm s	Ba-ppm s
BR139C	42 36 8	115 41 4	.5	.50	3.0	2.0	300	N	N	N	100	700
BR140C	42 37 15	115 43 3	.5	.70	3.0	1.0	200	N	N	N	50	1,000
BR141C	42 37 9	115 43 0	1.0	1.00	5.0	1.5	500	N	N	N	100	500
BR142C	42 39 25	115 42 30	.5	.50	7.0	>2.0	300	N	N	N	100	500
BR143C	42 39 32	115 42 31	.5	.50	7.0	>2.0	500	N	N	N	100	700

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR139C	<2	N	N	N	30	10	100	N	50	20	N	N	N	50
BR140C	<2	N	N	N	70	10	100	N	N	20	30	N	N	N
BR141C	<2	N	N	N	70	10	100	N	50	30	N	N	N	N
BR142C	2	N	N	<10	50	10	300	N	50	20	N	N	N	<20
BR143C	<2	N	N	N	50	15	500	N	70	15	N	N	N	N

TABLE 4.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR139C	500	100	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR140C	500	70	<100	100	N	>2,000	N	--	--	--	--	--	--	--
BR141C	500	100	<100	150	N	>2,000	N	--	--	--	--	--	--	--
BR142C	700	100	<100	200	N	>2,000	<200	--	--	--	--	--	--	--
BR143C	700	100	<100	500	N	>2,000	200	--	--	--	--	--	--	--

TABLE 5.--RESULTS OF ROCK SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
BR001R	42 20 23	115 38 20	3.0	.30	1.50	.20	300	N	N	N	10	1,500
BR002R	42 21 21	115 38 1	1.5	.07	.70	.15	200	N	N	N	10	1,500
BR003R1	42 20 50	115 38 17	1.5	.30	.70	.10	100	N	N	N	10	1,000
BR003R2	42 20 50	115 38 13	1.0	.10	.50	.10	70	N	N	N	10	700
BR005R	42 22 31	115 37 7	1.5	.07	.70	.15	200	N	N	N	10	1,500
BR006R	42 23 31	115 37 34	1.5	.15	.70	.15	200	N	N	N	15	1,500
BR007R	42 24 28	115 37 7	1.5	.70	1.50	.15	200	N	N	N	15	1,000
BR008R	42 25 45	115 37 34	3.0	.50	1.50	.30	700	N	N	N	10	1,000
BR009R	42 26 11	115 37 29	2.0	.70	1.50	.20	300	N	N	N	30	1,000
BR010R	42 26 27	115 37 4	3.0	.70	1.50	.30	300	N	N	N	10	1,000
BR011R	42 27 20	115 36 30	3.0	.30	1.50	.30	300	N	N	N	10	1,000
BR012R	42 30 28	115 35 30	3.0	.30	1.50	.30	300	N	N	N	<10	1,000
BR013R	42 30 48	115 35 31	3.0	.30	1.50	.15	300	N	N	N	<10	1,000
BR014R	42 32 15	115 35 23	3.0	.50	1.50	.20	300	N	N	N	<10	1,000
BR015R	42 32 45	115 35 31	3.0	.30	1.50	.30	300	N	N	N	<10	1,000
BR016R	42 33 3	115 36 14	3.0	.50	1.50	.30	300	N	N	N	<10	1,000
BR017R	42 33 22	115 37 57	3.0	.30	1.50	.30	300	N	N	N	<10	1,000
BR018R	42 34 6	115 38 27	3.0	.30	1.50	.30	300	N	N	N	<10	1,000
BR019R	42 35 28	115 39 21	2.0	.30	1.50	.20	300	N	N	N	<10	1,000
BR020R	42 36 44	115 39 48	2.0	.50	2.00	.20	300	N	N	N	<10	1,000
BR021R	42 37 18	115 41 13	2.0	.50	1.50	.30	300	N	N	N	<10	1,000
BR022R	42 37 48	115 41 1	2.0	.30	1.50	.30	300	N	N	N	<10	1,000
BR023R	42 38 4	11 51 24	2.0	.30	1.50	.20	200	N	N	N	<10	1,000
BR024R	42 38 42	115 41 43	7.0	5.00	7.00	.70	700	N	N	N	N	200
BR025R	42 39 27	115 42 16	7.0	7.00	7.00	.50	700	N	N	N	N	200
BR026R	42 39 22	115 41 49	7.0	5.00	7.00	.50	700	N	N	N	N	150
BR027R1	42 40 8	115 41 25	7.0	5.00	7.00	.70	700	N	N	N	N	300
BR027R2	42 46 8	115 41 25	3.0	1.50	3.00	.30	500	N	N	N	15	500
BR028R	42 40 50	115 41 47	7.0	5.00	7.00	.70	700	N	N	N	N	300
BR029R	42 41 12	115 41 0	7.0	7.00	7.00	.50	700	N	N	N	N	200
BR030R	42 43 25	115 41 41	7.0	3.00	7.00	.70	700	N	N	N	N	300
BR031R	42 43 46	115 41 35	5.0	3.00	7.00	.70	300	N	N	N	N	200
BR032R	42 44 11	115 41 49	7.0	5.00	7.00	.70	700	N	N	N	N	200
BR033R	42 44 26	115 42 8	7.0	5.00	7.00	.70	700	N	N	N	N	150
BR092R	42 22 24	115 45 17	3.0	.30	2.00	.30	300	N	N	N	<10	1,500
BR105R	42 24 29	115 43 38	3.0	.30	2.00	.30	700	N	N	N	<10	1,500
BR115R	42 26 37	115 39 31	3.0	.15	1.50	.30	300	N	N	N	<10	1,500
BR142R	42 39 25	115 42 30	.2	.03	<.05	.07	30	N	N	N	10	70
BR143R	42 39 32	115 42 31	.7	.05	.30	.05	70	N	N	N	<10	300

TABLE 5.--RESULTS OF ROCK SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
BR001R	1.5	N	N	5	<10	7	70	N	30	<5	15	N	7	N
BR002R	2.0	N	N	<5	<10	<5	150	<5	50	<5	20	N	7	N
BR003R1	2.0	N	N	<5	<10	<5	70	N	30	<5	15	N	7	N
BR003R2	2.0	N	N	<5	<10	<5	70	N	30	<5	15	N	7	N
BR005R	2.0	N	N	<5	<10	5	150	<5	50	<5	20	N	7	N
BR006R	2.0	N	N	<5	<10	5	150	<5	30	<5	15	N	7	N
BR007R	2.0	N	N	<5	10	7	150	<5	30	<5	20	N	7	N
BR008R	2.0	N	N	<5	<10	<5	150	<5	30	<5	15	N	10	N
BR009R	2.0	N	N	5	15	10	70	N	30	7	15	N	10	N
BR010R	2.0	N	N	<5	<10	5	100	<5	30	<5	15	N	15	N
BR011R	2.0	N	N	<5	<10	5	100	<5	30	<5	15	N	10	N
BR012R	2.0	N	N	<5	<10	<5	100	<5	30	<5	15	N	10	N
BR013R	2.0	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	N
BR014R	2.0	N	N	<5	<10	<5	100	N	30	<5	15	N	10	N
BR015R	2.0	N	N	<5	<10	<5	100	5	50	<5	15	N	7	N
BR016R	2.0	N	N	<5	<10	10	70	<5	30	<5	15	N	10	N
BR017R	2.0	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	N
BR018R	2.0	N	N	<5	<10	<5	100	<5	50	<5	15	N	10	N
BR019R	2.0	N	N	<5	<10	7	70	<5	30	<5	15	N	7	N
BR020R	2.0	N	N	5	<10	5	70	<5	30	<5	15	N	7	N
BR021R	2.0	N	N	<5	<10	7	70	<5	30	<5	15	N	7	N
BR022R	2.0	N	N	<5	<10	5	70	<5	30	<5	15	N	7	N
BR023R	2.0	N	N	<5	<10	5	70	<5	30	<5	15	N	7	N
BR024R	N	N	N	30	200	30	N	N	<20	70	N	N	30	N
BR025R	N	N	N	30	300	30	N	<5	<20	100	N	N	50	N
BR026R	N	N	N	30	200	30	N	<5	<20	70	N	N	70	N
BR027R1	N	N	N	30	300	30	N	N	<20	70	N	N	50	N
BR027R2	<1.0	N	N	15	30	50	30	N	<20	30	15	N	20	N
BR028R	N	N	N	30	200	30	N	<5	<20	70	N	N	30	N
BR029R	N	N	N	30	300	30	N	<5	<20	70	N	N	30	N
BR030R	N	N	N	20	200	30	30	<5	<20	50	N	N	30	N
BR031R	N	N	N	15	150	30	<30	<5	<20	30	N	N	30	N
BR032R	N	N	N	20	150	20	30	<5	<20	70	N	N	30	N
BR033R	N	N	N	20	300	30	30	<5	<20	70	N	N	30	N
BR092R	2.0	N	N	7	7	7	100	5	30	<5	15	N	15	N
BR105R	2.0	N	N	<5	<10	5	70	5	30	<5	15	N	10	N
BR115R	2.0	N	N	<5	<10	5	70	5	30	<5	15	N	7	N
BR142R	N	N	N	<5	<10	<5	N	N	<20	<5	N	N	<5	N
BR143R	1.0	N	N	<5	<10	<5	N	N	<20	<5	10	N	<5	N

TABLE 5.--RESULTS OF ROCK SAMPLES FROM THE BRUNEAU RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
BR001R	300	30	70	30	N	300	N	<.1	<.02	<5	<2	.2	<2	54
BR002R	100	<10	N	50	N	300	N	<.1	<.02	<5	<2	.2	<2	45
BR003R1	<100	<10	N	30	N	300	N	<.1	<.02	<5	<2	.2	<2	32
BR003R2	<100	<10	N	30	N	200	N	<.1	<.02	<5	<2	.2	<2	24
BR005R	100	10	N	50	N	300	N	<.1	<.02	<5	<2	.3	<2	39
BR006R	150	15	N	70	N	200	N	<.1	<.02	5	<2	.2	<2	41
BR007R	300	30	N	50	N	300	N	<.1	<.02	<5	<2	.3	<2	26
BR008R	300	15	N	70	N	300	N	<.1	<.02	<5	<2	.4	<2	75
BR009R	300	30	N	30	N	200	N	<.1	<.02	<5	<2	.3	<2	16
BR010R	300	15	N	70	N	300	N	<.1	<.02	<5	<2	.3	<2	48
BR011R	200	20	N	70	N	300	N	<.1	<.02	<5	<2	.4	<2	63
BR012R	200	15	N	50	N	300	N	<.1	<.02	<5	<2	.4	<2	47
BR013R	200	<10	N	50	N	300	N	<.1	<.02	<5	<2	.3	<2	46
BR014R	200	15	N	70	N	300	N	<.1	<.02	<5	<2	.3	<2	58
BR015R	200	20	N	50	N	300	N	<.1	<.02	<5	<2	.2	<2	47
BR016R	200	20	N	50	N	300	N	<.1	<.02	<5	<2	.3	<2	55
BR017R	200	20	N	50	N	300	N	<.1	<.02	<5	<2	.3	<2	60
BR018R	150	15	N	50	N	300	N	<.1	<.02	<5	<2	.4	<2	68
BR019R	150	15	N	30	N	300	N	<.1	<.02	<5	<2	.3	<2	44
BR020R	150	30	N	30	N	300	N	<.1	<.02	<5	<2	.3	<2	38
BR021R	150	30	N	50	N	300	N	<.1	<.02	<5	<2	.2	<2	41
BR022R	150	20	N	50	N	300	N	<.1	<.02	<5	<2	.2	<2	40
BR023R	150	15	N	30	N	300	N	<.1	<.02	<5	<2	.2	<2	46
BR024R	300	200	N	30	N	70	N	<.1	<.02	<5	<2	.8	<2	47
BR025R	150	300	N	20	N	70	N	<.1	<.02	<5	<2	1.0	<2	50
BR026R	150	300	N	15	N	70	N	<.1	<.02	<5	<2	.8	<2	50
BR027R1	300	300	N	30	N	100	N	<.1	<.02	<5	<2	1.1	4	48
BR027R2	500	100	N	30	N	150	N	<.1	<.02	<5	<2	.4	<2	24
BR028R	300	200	N	30	N	100	N	<.1	<.02	<5	<2	1.1	3	65
BR029R	200	150	N	20	N	70	N	<.1	<.02	<5	<2	.9	<2	67
BR030R	200	200	N	30	N	100	N	<.1	<.02	<5	<2	.8	<2	51
BR031R	200	150	N	20	N	70	N	<.1	<.02	<5	<2	.2	<2	30
BR032R	200	200	N	30	N	100	N	<.1	<.02	<5	<2	.9	<2	66
BR033R	150	200	N	30	N	100	N	<.1	<.02	<5	<2	1.0	<2	68
BR092R	300	30	N	70	N	500	N	<.1	<.02	<5	<2	<.1	<2	29
BR105R	150	30	N	70	N	300	N	<.1	<.02	<5	<2	.3	<2	60
BR115R	150	20	N	50	N	300	N	<.1	<.02	<5	<2	.3	<2	77
BR142R	<100	<10	N	<10	N	150	N	<.1	<.02	<5	<2	<.1	<2	<2
BR143R	<100	<10	N	10	N	150	N	<.1	<.02	<5	<2	<.1	<2	15

TABLE 6.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JR001S	42 3 42	115 23 47	3	.5	1.5	.3	300	N	N	N	20	1,500
JR002S	42 4 18	115 24 45	3	.7	1.5	.3	500	N	N	N	20	1,000
JR003S	42 6 38	115 57 53	3	.7	2.0	.3	1,000	N	N	N	20	1,500
JR004S	42 7 32	115 29 5	3	.7	2.0	.3	700	N	N	N	20	1,000
JR005S	42 9 5	115 29 13	5	.7	2.0	.3	700	N	N	N	20	1,000
JR006S	42 9 15	115 29 22	3	.7	1.5	.3	700	N	N	N	20	1,000
JR007S	42 9 41	115 29 17	3	.7	1.5	.3	300	N	N	N	20	700
JR008S	42 10 12	115 29 29	5	.7	2.0	.5	700	N	N	N	20	1,500
JR009S	42 10 34	115 29 22	3	.7	2.0	.3	500	N	N	N	30	1,000
JR010S	42 11 40	115 30 24	3	.7	1.5	.3	700	N	N	N	30	1,000
JR011S	42 12 19	115 30 36	3	1.0	3.0	.3	700	N	N	N	20	1,000
JR012S	42 13 28	115 32 6	3	.7	2.0	.3	500	N	N	N	20	1,000
JR013S	42 14 10	115 32 5	7	1.0	2.0	.7	700	N	N	N	20	1,000
JR014S	42 14 58	115 32 44	3	1.0	2.0	.3	700	N	N	N	20	1,000
JR015S	42 15 5	115 33 31	3	.7	2.0	.3	700	N	N	N	20	1,000
JR016S	42 16 27	115 35 10	5	1.5	2.0	.5	700	N	N	N	30	1,000
JR017S	42 17 6	115 36 3	7	1.0	2.0	1.0	1,000	N	N	N	15	1,500
JR018S	42 17 39	115 37 29	10	1.0	3.0	>1.0	1,500	N	N	N	10	1,500
JR019S	42 6 13	115 27 13	3	.5	1.5	.2	700	N	N	N	20	700
JR020S	42 3 48	115 26 20	3	.7	1.5	.3	700	N	N	N	30	700
JR021S	42 6 2	115 27 48	3	1.0	1.5	.3	1,000	N	N	N	20	700
JR022S	42 6 42	115 30 7	3	.7	1.5	.3	300	N	N	N	20	700
JR023S	42 9 9	115 30 7	3	1.0	1.5	.3	700	N	N	N	20	700
JR024S	42 10 33	115 30 15	3	.7	2.0	.3	1,000	N	N	N	20	700
JR025S	42 10 19	115 26 56	5	1.0	2.0	.5	1,000	N	N	N	20	700
JR026S	42 11 42	115 31 2	3	.7	1.5	.3	500	N	N	N	20	700
JR027S	42 11 44	115 31 3	5	.7	1.5	.5	700	N	N	N	20	700
JR028S	42 11 25	115 30 17	3	.7	1.5	.3	500	N	N	N	20	1,000
JR029S	42 10 43	115 32 59	3	.7	2.0	.3	500	N	N	N	20	1,000
JR030S	42 10 43	115 33 2	3	.7	1.5	.3	500	N	N	N	20	1,000
JR031S	42 11 34	115 33 6	3	.7	1.5	.3	500	N	N	N	20	700
JR032S	42 11 35	115 33 9	5	.7	1.5	.5	500	N	N	N	20	1,000
JR033S	42 12 38	115 32 43	3	.7	1.5	.3	700	N	N	N	15	1,000
JR034S	42 12 38	115 32 47	3	.5	2.0	.3	300	N	N	N	15	700
JR035S	42 12 47	115 32 59	3	.7	1.5	.3	500	N	N	N	20	700
JR036S	42 12 41	115 33 48	7	.7	2.0	.7	1,000	N	N	N	15	1,000
JR037S	42 12 45	115 33 48	7	.7	2.0	.7	700	N	N	N	15	1,500
JR038S	42 13 27	115 33 1	3	.7	1.5	.3	500	N	N	N	20	1,000
JR039S	42 13 29	115 33 4	7	.7	2.0	>1.0	700	N	N	N	15	1,000
JR040S	42 12 45	115 33 31	5	.5	2.0	.5	700	N	N	N	15	1,500
JR041S	42 14 27	115 35 16	7	.7	2.0	>1.0	1,000	N	N	N	10	700
JR042S	42 14 7	115 35 20	5	.7	1.5	.7	700	N	N	N	30	1,000
JR043S	42 14 54	115 35 32	7	.7	2.0	.7	1,000	N	N	N	<10	1,000
JR044S	42 15 26	115 35 17	5	.7	1.5	.7	700	N	N	N	10	1,000
JR045S	42 17 0	115 36 38	7	.7	2.0	.7	700	N	N	N	10	1,000

TABLE 6.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
JR001S	1.5	N	N	7	30	30	70	<5	20	15	15	N	15	N
JR002S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
JR003S	1.5	N	N	15	70	50	70	N	<20	20	15	N	15	N
JR004S	1.5	N	N	7	30	70	50	N	<20	15	15	N	10	N
JR005S	1.5	N	N	10	30	30	70	N	20	15	15	N	15	N
JR006S	2.0	N	N	10	30	30	70	N	<20	15	15	N	15	N
JR007S	1.5	N	N	7	30	20	70	N	<20	10	15	N	15	N
JR008S	1.5	N	N	10	50	30	70	N	20	15	15	N	15	N
JR009S	1.5	N	N	10	30	30	50	5	<20	15	15	N	15	N
JR010S	1.5	N	N	10	30	30	70	N	20	15	15	N	15	N
JR011S	1.5	N	N	10	50	30	70	N	20	15	15	N	15	N
JR012S	1.5	N	N	7	50	30	50	<5	<20	15	15	N	15	N
JR013S	1.5	N	N	10	50	30	50	N	20	15	15	N	15	N
JR014S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
JR015S	1.5	N	N	10	50	30	70	N	<20	15	15	N	15	N
JR016S	1.5	N	N	15	50	30	50	N	<20	15	15	N	15	N
JR017S	1.5	N	N	15	70	30	70	N	30	15	15	N	15	N
JR018S	1.5	N	N	15	50	50	70	7	50	15	20	N	30	N
JR019S	1.5	N	N	7	30	20	50	N	<20	10	15	N	10	N
JR020S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
JR021S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
JR022S	1.5	N	N	10	50	30	30	N	<20	15	15	N	15	N
JR023S	1.5	N	N	15	70	30	30	N	<20	20	15	N	15	N
JR024S	1.5	N	N	15	50	30	30	N	<20	15	15	N	15	N
JR025S	1.5	N	N	20	70	30	50	N	<20	30	15	N	15	N
JR026S	1.5	N	N	10	30	20	50	N	<20	15	15	N	15	N
JR027S	1.5	N	N	15	30	30	30	N	20	15	15	N	15	N
JR028S	1.5	N	N	10	30	20	70	N	20	10	15	N	15	N
JR029S	1.5	N	N	10	30	15	70	N	<20	15	15	N	15	N
JR030S	1.5	N	N	7	30	15	70	N	20	10	15	N	15	N
JR031S	1.5	N	N	10	30	20	50	N	<20	15	15	N	15	N
JR032S	1.5	N	N	10	30	20	50	N	<20	15	15	N	15	N
JR033S	1.5	N	N	7	30	15	70	N	20	10	15	N	15	N
JR034S	1.5	N	N	7	30	15	70	N	20	7	15	N	15	N
JR035S	1.5	N	N	10	30	15	70	N	20	15	15	N	15	N
JR036S	1.5	N	N	15	30	15	70	5	30	10	15	N	15	N
JR037S	1.5	N	N	15	30	15	70	5	30	10	15	N	20	N
JR038S	1.5	N	N	10	50	20	70	<5	20	15	15	N	15	N
JR039S	1.5	N	N	15	50	20	70	5	50	15	15	N	20	N
JR040S	1.5	N	N	7	15	10	70	N	30	7	15	N	15	N
JR041S	1.5	N	N	15	30	20	70	5	50	15	20	N	20	N
JR042S	1.5	N	N	15	50	20	50	N	20	15	20	N	15	N
JR043S	1.5	N	N	10	30	15	70	5	30	7	15	N	15	N
JR044S	1.5	N	N	10	30	15	70	<5	20	15	15	N	15	N
JR045S	1.5	N	N	15	30	15	70	5	30	15	15	N	15	N

TABLE 6.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
JR001S	500	70	N	50	<200	200	<200	<.1	.07	<5	<2	.4	<2	61
JR002S	700	100	N	30	<200	150	<200	<.1	.08	<5	<2	.6	<2	98
JR003S	700	100	N	30	<200	200	<200	<.1	.09	6	<2	.7	2	72
JR004S	500	70	N	30	<200	150	<200	<.1	.07	8	<2	.7	<2	92
JR005S	500	70	N	50	<200	300	<200	<.1	.08	<5	<2	.6	<2	69
JR006S	300	70	N	50	<200	200	<200	<.1	.07	<5	<2	.5	<2	71
JR007S	300	70	N	50	<200	150	<200	<.1	.09	<5	<2	.5	<2	72
JR008S	500	100	N	50	<200	300	<200	<.1	.08	<5	<2	.5	<2	68
JR009S	300	70	N	30	<200	200	<200	<.1	.08	<5	<2	.5	<2	67
JR010S	300	70	N	50	<200	300	<200	<.1	.06	<5	<2	.5	<2	73
JR011S	300	70	N	50	<200	300	<200	<.1	.08	<5	<2	.4	<2	65
JR012S	300	70	N	30	<200	150	<200	<.1	.06	<5	<2	.6	<2	90
JR013S	300	70	N	30	<200	300	<200	<.1	.05	<5	<2	.6	<2	77
JR014S	500	100	N	30	<200	200	<200	<.1	.06	<5	<2	.5	<2	67
JR015S	500	100	N	30	<200	200	<200	<.1	.07	6	<2	.5	<2	61
JR016S	300	70	N	30	<200	200	<200	<.1	.04	<5	<2	.5	<2	68
JR017S	300	100	N	50	<200	300	<200	<.2	.04	<5	<2	.8	<2	83
JR018S	300	100	N	70	<200	500	<200	--	.04	<5	<2	.9	<2	100
JR019S	300	70	N	30	<200	150	<200	<.1	.07	<5	<2	.8	<2	120
JR020S	300	100	N	30	N	200	N	<.1	.04	<5	<2	.4	<2	63
JR021S	300	100	N	30	N	200	N	<.1	.03	<5	<2	.5	<2	62
JR022S	300	70	N	30	N	150	N	<.1	.10	<5	<2	.5	<2	65
JR023S	300	70	N	20	N	150	N	<.1	.04	5	<2	.6	<2	69
JR024S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.6	<2	57
JR025S	300	150	N	30	N	200	N	<.1	.02	<5	<2	.7	<2	59
JR026S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.6	<2	75
JR027S	300	70	N	30	N	200	N	<.1	.02	<5	<2	.6	<2	75
JR028S	300	70	N	50	N	200	N	<.1	.07	5	<2	.6	2	78
JR029S	300	70	N	30	N	200	N	<.1	.04	<5	<2	.6	<2	62
JR030S	300	70	N	30	N	200	N	<.1	.02	<5	<2	.4	<2	52
JR031S	300	70	N	30	N	150	N	<.1	.03	<5	<2	.5	<2	67
JR032S	300	70	N	30	N	200	N	<.1	.11	5	<2	.6	<2	79
JR033S	300	70	N	50	N	200	N	<.1	.02	<5	<2	.4	<2	56
JR034S	300	50	N	30	N	200	N	<.1	.03	<5	<2	.4	<2	60
JR035S	300	70	N	50	N	200	N	<.1	.02	<5	<2	.4	3	61
JR036S	300	70	N	50	N	300	N	<.1	.02	<5	<2	.7	<2	72
JR037S	300	70	N	70	N	500	N	<.1	.02	<5	<2	.6	<2	83
JR038S	300	70	N	30	N	200	N	<.1	.03	<5	<2	.4	<2	60
JR039S	500	150	N	50	N	300	N	<.1	.02	<5	<2	1.0	<2	120
JR040S	300	30	N	50	N	300	N	<.1	.02	<5	<2	.3	<2	40
JR041S	300	100	N	50	N	300	N	<.1	.08	<5	<2	1.0	<2	120
JR042S	300	70	N	30	N	300	N	<.1	.08	<5	<2	.6	<2	70
JR043S	300	70	N	50	N	300	N	<.1	.02	<5	<2	.4	<2	63
JR044S	300	70	N	50	N	200	N	<.1	.10	<5	<2	.5	<2	65
JR045S	300	70	N	50	N	300	N	<.1	.02	<5	<2	.7	<2	79

TABLE 6.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--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	Au-ppm s	B-ppm s	Ba-ppm s
JR046S	42 16 55	115 36 34	7	1.0	1.5	>1.0	1,500	N	N	N	10	700
JR047S	42 16 42	115 35 48	3	.7	2.0	.5	500	N	N	N	15	1,500
JR048S	42 16 45	115 37 21	3	.5	2.0	.3	500	N	N	N	10	1,000
JR049S	42 15 37	115 35 40	5	.7	2.0	.7	1,000	N	N	N	10	1,500
JR050S	42 15 55	115 38 40	3	.7	2.0	.3	700	N	N	N	15	1,500
JR051S	42 17 1	115 32 40	5	1.5	3.0	.5	1,000	N	N	N	30	700
JR052S	42 19 55	115 37 17	3	1.0	3.0	.3	500	N	N	N	30	1,000
JR053S	42 21 2	115 35 34	3	1.5	2.0	.5	700	N	N	N	30	1,000
JR054S	42 17 37	115 39 9	3	.7	2.0	.3	700	N	N	N	30	1,500
JR055S	42 17 18	115 39 15	7	.7	2.0	.7	700	N	N	N	20	1,500
JR056S	42 19 7	115 39 40	5	.7	2.0	.5	500	N	N	N	20	1,500
JR057S	42 19 6	115 39 55	5	1.5	3.0	.3	500	N	N	N	30	1,000
JR058S	42 16 3	115 40 42	3	1.0	1.5	.3	500	N	N	N	30	1,000
JR059S	42 16 47	115 40 12	5	1.0	2.0	.5	700	N	N	N	30	1,500
JR060S	42 18 47	115 40 5	3	1.0	3.0	.3	700	N	N	N	20	1,500
JR061S	42 18 27	115 40 31	7	1.0	3.0	.7	700	N	N	N	20	1,000
JR062S	42 16 19	115 38 49	5	.7	1.5	.7	700	N	N	N	20	1,000
JR063S	42 17 15	115 39 59	3	1.0	2.0	.3	700	N	N	N	20	1,000
JR064S	42 17 47	115 40 35	5	1.5	2.0	.5	700	N	N	N	15	1,500
JR065S	42 18 9	115 40 48	7	1.0	3.0	.5	700	N	N	N	20	1,500
JR066S	42 17 48	115 39 44	7	1.0	3.0	.7	700	N	N	N	30	1,500
JR067S	42 17 26	115 38 5	5	1.0	2.0	.5	700	N	N	N	20	1,500
JR068S	42 17 25	115 37 59	7	.7	2.0	.7	700	N	N	N	30	1,000
JR069S	42 17 51	115 38 9	5	.7	2.0	.3	700	N	N	N	20	1,000
JR070S	42 17 37	115 41 54	7	.7	3.0	.7	700	N	N	N	15	2,000
JR071S	42 17 42	115 41 55	5	.7	2.0	.5	500	N	N	N	20	1,500
JR072S	42 20 10	115 40 18	5	1.5	3.0	.5	700	N	N	N	30	1,000
JR073S	42 20 49	115 38 18	3	1.0	3.0	.3	500	N	N	N	30	1,000
JR074S	42 18 41	115 39 25	3	.7	3.0	.3	500	N	N	N	30	1,000

TABLE 6.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
JR046S	1.5	N	N	15	30	20	70	7	50	15	15	N	15	N
JR047S	1.5	N	N	15	30	20	70	N	<20	15	15	N	15	N
JR048S	1.5	N	N	7	15	10	70	N	20	10	15	N	10	N
JR049S	1.5	N	N	10	30	10	70	N	30	10	15	N	15	N
JR050S	1.5	N	N	10	30	15	70	N	20	10	20	N	10	N
JR051S	1.5	N	N	15	100	30	50	N	<20	30	15	N	20	N
JR052S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
JR053S	1.5	N	N	15	70	20	50	N	<20	20	15	N	15	N
JR054S	1.5	N	N	10	30	20	70	N	20	10	15	N	15	N
JR055S	1.5	N	N	15	70	20	70	5	30	15	20	N	20	N
JR056S	2.0	N	N	10	50	15	100	N	30	10	30	N	15	N
JR057S	1.5	N	N	15	70	30	70	N	20	30	20	N	15	N
JR058S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
JR059S	1.5	N	N	15	70	30	70	N	20	20	15	N	20	N
JR060S	1.5	N	N	15	50	20	70	N	20	15	15	N	15	N
JR061S	1.5	N	N	15	50	30	70	N	20	15	20	N	15	N
JR062S	1.5	N	N	15	30	30	70	N	20	15	15	N	15	N
JR063S	1.5	N	N	10	30	20	70	N	20	15	15	N	15	N
JR064S	2.0	N	N	10	30	15	70	N	30	10	20	N	15	N
JR065S	1.5	N	N	15	30	20	70	N	20	15	15	N	15	N
JR066S	1.5	N	N	15	50	30	70	N	20	15	15	N	20	N
JR067S	1.5	N	N	15	30	30	70	N	20	15	20	N	15	N
JR068S	1.5	N	N	15	30	30	70	<5	30	15	20	N	20	N
JR069S	1.5	N	N	10	30	20	70	N	20	10	15	N	15	N
JR070S	1.5	N	N	10	30	20	100	<5	30	10	20	N	15	N
JR071S	2.0	N	N	7	30	20	70	N	30	7	20	N	15	N
JR072S	1.5	N	N	15	70	30	70	N	20	30	15	N	15	N
JR073S	1.5	N	N	10	30	30	70	N	20	15	15	N	15	N
JR074S	1.5	N	N	10	50	30	70	N	<20	15	15	N	15	N

TABLE 6.--RESULTS OF ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
JR046S	300	70	N	50	N	300	N	<.1	.05	<5	<2	1.4	<2	160
JR047S	300	70	N	30	N	200	N	<.1	.04	<5	<2	.5	<2	67
JR048S	300	30	N	50	N	200	N	<.1	.04	<5	<2	.4	<2	46
JR049S	300	50	N	50	N	300	N	<.1	.02	<5	<2	<.1	<2	54
JR050S	300	50	N	50	N	300	N	<.2	.04	<5	3	.3	<2	44
JR051S	300	150	N	30	N	300	N	<.1	.04	<5	2	.8	<2	72
JR052S	300	100	N	30	N	150	N	<.1	.04	<5	<2	.8	2	77
JR053S	300	100	N	20	N	200	N	<.1	.03	<5	2	.6	<2	65
JR054S	300	70	N	30	N	200	N	<.1	.03	<5	<2	.6	<2	57
JR055S	300	150	N	50	N	300	N	<.1	.02	<5	5	.9	<2	91
JR056S	300	70	N	50	N	300	N	<.1	<.02	<5	2	.4	<2	55
JR057S	300	100	N	30	N	150	N	<.1	.03	<5	3	.7	<2	67
JR058S	300	70	N	30	N	200	N	<.1	.02	5	3	.9	<2	82
JR059S	500	150	N	50	N	200	N	<.1	.07	<5	<2	.7	<2	74
JR060S	300	70	N	50	N	300	N	<.1	.08	<5	<2	.5	<2	49
JR061S	300	100	N	50	N	200	N	<.1	.07	9	3	.7	<2	80
JR062S	300	100	N	50	N	300	N	<.1	.03	7	2	.7	<2	69
JR063S	300	70	N	30	N	200	N	<.1	.04	5	<2	.6	<2	63
JR064S	300	70	N	50	N	300	N	<.1	<.02	<5	<2	.4	<2	61
JR065S	500	70	N	50	N	300	N	<.1	.04	<5	4	.5	<2	68
JR066S	500	100	N	50	N	300	N	<.1	.05	<5	<2	.8	<2	85
JR067S	300	70	N	30	N	300	N	<.1	.09	<5	<2	.8	<2	73
JR068S	300	100	N	50	N	300	N	<.1	.03	<5	4	.9	<2	89
JR069S	300	70	N	50	N	300	N	<.1	.04	<5	2	.5	<2	60
JR070S	500	70	N	70	N	500	N	<.1	.04	<5	4	.5	<2	71
JR071S	300	70	N	30	N	300	N	<.1	.04	<5	3	.4	<2	55
JR072S	300	100	N	30	N	300	N	<.1	.04	5	<2	.6	<2	63
JR073S	300	70	N	30	N	150	N	<.1	.04	<5	<2	.6	<2	57
JR074S	500	70	N	30	N	150	N	<.1	.03	6	2	.6	<2	64

TABLE 7.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JR008C3	42 10 12	115 29 29	.5	.10	5	.30	300	N	N	N	20	1,500
JR010C3	42 11 40	115 30 24	.3	.10	3	.20	150	N	N	N	20	150
JR016C3	42 16 27	115 35 10	.3	.05	3	.07	100	N	N	N	20	1,000
JR017C3	42 17 6	115 36 3	.3	.07	3	.07	70	N	N	N	20	1,000
JR018C3	42 17 39	115 37 29	.3	.07	5	.15	200	N	N	N	150	1,500
JR020C	42 3 48	115 26 20	.5	.10	10	>5.00	200	N	N	N	100	1,500
JR021C	42 6 2	115 27 48	.3	.07	10	>2.00	200	N	N	N	70	100
JR022C	42 6 42	115 30 7	.5	.50	5	>2.00	200	N	N	N	200	700
JR025C	42 10 19	115 26 56	.7	1.00	7	>2.00	500	N	N	N	70	150
JR027C	42 11 44	115 31 3	.3	.07	2	.15	100	N	N	N	30	>10,000
JR029C	42 10 43	115 32 59	5.0	1.50	3	5.00	2,000	N	N	N	70	500
JR031C	42 11 34	115 33 6	.2	.05	2	.05	70	N	N	N	20	7,000
JR032C	42 11 35	115 33 9	3.0	.20	2	1.50	700	N	N	N	<20	7,000
JR034C	42 12 38	115 32 47	10.0	2.00	5	5.00	3,000	N	N	N	100	500
JR035C	42 12 47	115 32 59	.3	.05	3	.10	70	N	N	N	20	2,000
JR037C	42 12 45	115 33 48	10.0	1.50	3	2.00	3,000	N	N	N	100	500
JR038C	42 17 25	115 37 59	.2	.05	2	.05	50	N	N	N	20	1,500
JR039C	42 13 29	115 33 4	.2	<.05	2	.07	50	N	N	N	30	2,000
JR041C	42 14 27	115 35 16	.3	.05	2	.07	50	N	N	N	20	1,500
JR042C	42 14 7	115 35 20	.2	.05	2	.10	50	N	N	N	30	1,500
JR043C	42 14 54	115 35 32	.2	.05	2	.10	30	N	N	N	30	1,500
JR044C	42 15 26	115 35 17	3.0	1.00	5	1.00	500	N	N	N	100	100
JR045C	42 17 0	115 36 38	.7	.10	2	1.00	200	N	N	N	100	100
JR046C	42 16 55	115 36 34	.2	<.05	2	.10	30	N	N	N	30	1,500
JR049C	42 15 37	115 35 40	20.0	2.00	2	>2.00	5,000	N	N	N	100	1,000
JR050C	42 15 55	115 38 40	10.0	1.00	5	2.00	1,500	N	N	N	300	1,000
JR052C	42 19 55	115 37 17	.7	.50	10	5.00	700	N	N	N	100	200
JR053C	42 21 2	115 35 34	1.0	.20	5	.50	200	N	N	N	70	1,000
JR056C	42 19 7	115 39 40	2.0	1.00	7	>2.00	1,000	N	N	N	100	10,000
JR057C	42 19 6	115 39 55	.5	.70	7	>2.00	700	N	N	N	70	2,000
JR058C	42 16 3	115 40 42	2.0	.70	10	5.00	700	N	N	N	150	700
JR060C	42 18 47	115 40 5	2.0	2.00	10	5.00	1,000	N	N	N	100	1,000
JR061C	42 18 27	115 40 31	2.0	1.50	7	>2.00	1,000	N	N	N	70	3,000
JR062C	42 16 19	115 38 49	.2	.05	3	.10	50	50	N	N	20	1,500
JR064C	42 17 47	115 40 35	.2	.10	3	2.00	200	N	N	N	50	200
JR066C	42 17 48	115 39 44	.3	<.05	2	.05	30	N	N	N	20	1,000
JR067C	42 17 26	115 38 5	.2	.05	2	.07	50	N	N	N	30	2,000
JR070C	42 17 37	115 41 54	.2	<.05	2	.20	50	N	N	N	70	1,500
JR071C	42 17 42	115 41 55	.2	<.05	10	1.00	1,000	N	N	N	50	10,000
JR072C	42 20 10	115 40 18	.2	.10	10	1.00	700	N	N	N	100	1,000
JR073C	42 20 47	115 38 11	1.5	1.00	7	>2.00	1,500	N	N	N	50	200
JR074C	42 18 41	115 39 25	2.0	.70	5	2.00	700	N	N	N	50	5,000

TABLE 7.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
JR008C3	3	N	N	N	20	<10	70	N	N	30	N	N	<10	150
JR010C3	5	N	N	N	20	<10	50	N	N	20	N	N	<10	N
JR016C3	3	N	N	N	<20	<10	<50	N	N	15	N	N	<10	N
JR017C3	2	N	N	N	<20	<10	<50	N	N	<10	N	N	<10	70
JR018C3	3	N	N	N	<20	10	50	N	N	15	N	N	<10	N
JR020C	3	N	N	N	70	<20	<100	N	150	50	N	N	<20	N
JR021C	3	N	N	N	50	10	<50	N	N	20	N	N	<10	>2,000
JR022C	3	N	N	N	200	<10	<50	N	N	30	N	N	<10	30
JR025C	3	N	N	N	150	10	200	N	<50	50	N	N	<10	2,000
JR027C	<2	N	N	N	<20	<10	<50	N	N	<10	100	N	<10	N
JR029C	3	N	N	N	200	<20	<100	N	<100	70	N	N	<20	N
JR031C	<2	N	N	N	20	<10	<50	N	N	<10	30	N	<10	N
JR032C	2	N	N	N	20	<10	<50	N	<50	20	50	N	<10	N
JR034C	<5	N	N	20	200	30	300	N	<100	70	N	N	70	N
JR035C	3	N	N	N	20	<10	<50	N	N	30	<20	N	<10	N
JR037C	2	N	N	20	200	15	200	N	N	50	N	N	50	100
JR038C	3	N	N	N	<20	<10	<50	N	N	<10	<20	N	<10	1,000
JR039C	2	N	N	N	20	10	<50	N	N	20	<20	N	<10	N
JR041C	3	N	N	N	20	<10	<50	N	N	30	N	N	<10	N
JR042C	3	N	N	N	<20	<10	<50	N	N	20	20	N	<10	N
JR043C	<2	N	N	N	20	<10	<50	N	N	20	N	N	<10	700
JR044C	2	N	N	<10	70	<10	150	N	<50	30	N	N	<10	N
JR045C	2	N	N	N	30	<20	100	N	N	20	N	N	<10	150
JR046C	<2	N	N	N	20	<10	<50	N	N	20	<20	N	<10	N
JR049C	<2	N	N	20	300	30	500	N	N	50	N	N	70	N
JR050C	5	N	N	<10	200	<10	300	N	<100	70	N	N	<20	N
JR052C	7	N	N	N	70	<20	300	N	70	70	7,000	N	<10	N
JR053C	3	N	N	N	50	<10	100	N	N	20	N	N	<10	N
JR056C	5	N	N	N	200	10	300	N	<50	50	N	N	<10	100
JR057C	5	N	N	N	70	10	150	N	50	30	10,000	N	<10	20
JR058C	5	N	N	N	100	<20	200	N	70	70	N	N	<10	1,500
JR060C	20	N	N	N	300	<20	700	N	100	70	N	N	<10	N
JR061C	2	N	N	<10	300	10	200	N	50	50	N	N	<10	100
JR062C	2	N	N	N	20	<10	<50	N	N	15	<20	N	<10	N
JR064C	2	N	N	N	30	<10	100	N	N	30	N	N	<10	N
JR066C	2	N	N	N	20	<10	<50	N	N	20	20	N	<10	N
JR067C	3	N	N	N	20	<10	<50	N	N	<10	20	N	<10	N
JR070C	2	N	N	N	20	<10	<50	N	N	15	N	N	<10	20
JR071C	3	N	N	N	50	<10	500	N	N	20	N	N	<10	N
JR072C	5	N	N	N	50	<10	200	N	N	20	N	N	<10	N
JR073C	3	N	N	N	300	10	300	N	50	30	N	N	<10	300
JR074C	2	N	N	<10	50	20	150	N	N	30	N	N	<10	20

TABLE 7.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
JR008C3	1,000	20	<100	200	N	>2,000	N	--	--	--	--	--	--	--
JR010C3	1,000	20	<100	100	N	>2,000	N	--	--	--	--	--	--	--
JR016C3	1,000	<20	<100	30	N	>2,000	N	--	--	--	--	--	--	--
JR017C3	1,000	20	<100	30	N	>2,000	N	--	--	--	--	--	--	--
JR018C3	1,000	20	<100	70	N	>2,000	N	--	--	--	--	--	--	--
JR020C	700	150	N	200	N	>5,000	N	--	--	--	--	--	--	--
JR021C	300	150	N	500	N	>2,000	300	--	--	--	--	--	--	--
JR022C	500	100	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR025C	200	150	N	700	N	>2,000	1,000	--	--	--	--	--	--	--
JR027C	1,000	20	<100	70	N	>2,000	N	--	--	--	--	--	--	--
JR029C	300	200	N	300	N	>5,000	N	--	--	--	--	--	--	--
JR031C	1,000	20	<100	100	N	>2,000	N	--	--	--	--	--	--	--
JR032C	1,000	50	<100	70	N	>2,000	N	--	--	--	--	--	--	--
JR034C	300	200	N	500	N	>5,000	N	--	--	--	--	--	--	--
JR035C	1,000	20	<100	50	N	>2,000	N	--	--	--	--	--	--	--
JR037C	500	150	N	200	N	>2,000	N	--	--	--	--	--	--	--
JR038C	700	20	<100	20	N	>2,000	N	--	--	--	--	--	--	--
JR039C	700	20	<100	50	N	>2,000	N	--	--	--	--	--	--	--
JR041C	700	20	<100	50	N	>2,000	N	--	--	--	--	--	--	--
JR042C	700	30	<100	20	N	>2,000	N	--	--	--	--	--	--	--
JR043C	700	20	<100	30	N	>2,000	N	--	--	--	--	--	--	--
JR044C	700	100	N	200	N	>2,000	N	--	--	--	--	--	--	--
JR045C	500	30	N	200	N	>2,000	N	--	--	--	--	--	--	--
JR046C	1,000	20	<100	<20	N	>2,000	N	--	--	--	--	--	--	--
JR049C	200	200	N	300	N	>2,000	N	--	--	--	--	--	--	--
JR050C	1,000	30	N	200	N	>5,000	N	--	--	--	--	--	--	--
JR052C	700	200	N	700	N	>5,000	500	--	--	--	--	--	--	--
JR053C	500	20	N	100	N	>2,000	N	--	--	--	--	--	--	--
JR056C	500	150	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR057C	700	100	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR058C	700	200	N	500	N	>5,000	N	--	--	--	--	--	--	--
JR060C	700	300	N	500	N	>5,000	N	--	--	--	--	--	--	--
JR061C	700	150	N	300	N	>2,000	N	--	--	--	--	--	--	--
JR062C	1,000	20	<100	20	N	>2,000	N	--	--	--	--	--	--	--
JR064C	700	50	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR066C	700	20	<100	N	N	2,000	200	--	--	--	--	--	--	--
JR067C	700	20	<100	20	N	>2,000	N	--	--	--	--	--	--	--
JR070C	500	<20	N	30	N	>2,000	N	--	--	--	--	--	--	--
JR071C	700	20	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR072C	700	30	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR073C	500	100	N	500	N	>2,000	N	--	--	--	--	--	--	--
JR074C	500	100	N	300	N	>2,000	N	--	--	--	--	--	--	--

TABLE 8.--RESULTS OF ANALYSES OF ROCK SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JR001R	42 3 42	115 23 47	3.0	.15	1.0	.300	200	N	N	N	<10	3,000
JR002R	42 4 18	115 24 45	3.0	.15	1.0	.300	300	N	N	N	<10	3,000
JR003R	42 6 38	115 27 53	10.0	5.00	5.0	1.000	1,500	N	N	N	<10	700
JR004R	42 7 32	115 29 5	3.0	.30	1.0	.300	300	N	N	N	<10	3,000
JR005R	42 9 5	115 29 13	3.0	.20	1.0	.300	300	N	N	N	<10	2,000
JR006R	42 9 15	115 29 22	3.0	.30	1.5	.300	1,000	N	N	N	<10	2,000
JR007R	42 9 41	115 29 17	3.0	.15	1.0	.300	500	N	N	N	<10	3,000
JR008R1	42 10 12	115 29 29	3.0	.20	1.5	.300	500	N	N	N	<10	3,000
JR008R2	42 10 12	115 29 29	3.0	1.50	2.0	.300	700	N	N	N	15	1,500
JR009R	42 10 34	115 29 22	3.0	.15	1.5	.300	500	N	N	N	<10	3,000
JR010R	42 11 40	115 30 24	3.0	.15	1.0	.200	500	N	N	N	<10	2,000
JR011R	42 12 19	115 30 36	3.0	.20	1.0	.300	500	N	N	N	<10	3,000
JR012R	42 13 28	115 32 6	3.0	.20	1.5	.300	300	N	N	N	<10	3,000
JR013R	42 14 10	115 32 5	3.0	.20	1.5	.300	300	N	N	N	<10	2,000
JR014R	42 14 58	115 32 44	3.0	.30	1.5	.300	700	N	N	N	<10	2,000
JR015R	42 15 5	115 33 31	3.0	.20	1.5	.300	700	N	N	N	<10	3,000
JR016R1	42 16 27	115 35 10	7.0	5.00	7.0	.500	1,500	N	N	N	<10	300
JR016R2	42 16 27	115 35 10	.2	.15	.2	.015	10	N	N	N	<10	70
JR017R	42 17 6	115 36 3	3.0	3.00	7.0	.300	1,500	N	N	N	<10	1,000
JR018R	42 17 39	115 37 29	3.0	.30	1.5	.300	300	N	N	N	<10	2,000
JR019R	42 6 13	115 27 13	3.0	.15	1.0	.300	300	N	N	N	<10	3,000
JR022R	42 6 42	115 30 7	1.5	.15	.7	.200	200	N	N	N	<10	1,000
JR029R	42 10 43	115 32 59	2.0	.15	.7	.200	300	N	N	N	<10	1,000
JR037R	42 12 45	115 33 48	1.5	.20	.7	.150	300	N	N	N	<10	700
JR038R	42 13 27	115 33 1	1.5	.30	.7	.150	300	N	N	N	<10	1,000
JR041R	42 14 27	115 35 16	1.5	.30	.7	.150	300	N	N	N	<10	1,000
JR042R	42 14 7	115 35 20	2.0	.20	1.0	.150	300	N	N	N	<10	1,000
JR045R	42 17 0	115 36 38	2.0	.15	.7	.150	300	N	N	N	<10	1,000
JR047R	42 16 42	115 35 48	1.5	.15	.7	.150	200	N	N	N	<10	1,000
JR062R1	42 16 19	115 38 49	2.0	.20	.7	.150	300	N	N	N	<10	700
JR062R2	42 16 19	115 38 49	1.5	.20	.7	.150	150	N	N	N	<10	1,000
JR065R	42 18 9	115 40 48	1.5	.15	.7	.150	200	N	N	N	<10	1,000
JR070R	42 17 37	115 41 54	1.5	.15	.7	.150	300	N	N	N	<10	1,000
JR071R	42 17 42	115 41 55	1.5	.15	.7	.150	300	N	N	N	<10	1,000

TABLE 8.--RESULTS OF ANALYSES OF ROCK SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
JR001R	1.5	N	N	<5	<10	5	150	<5	30	<5	20	N	7	N
JR002R	2.0	N	N	<5	<10	<5	100	<5	30	<5	20	N	7	N
JR003R	<1.0	N	N	50	500	70	<30	<5	<20	150	<10	N	50	N
JR004R	2.0	N	N	<5	<10	10	100	<5	30	5	20	N	7	<10
JR005R	1.5	N	N	<5	<10	5	100	N	30	<5	20	N	7	<10
JR006R	2.0	N	N	<5	<10	5	100	<5	30	<5	20	N	7	<10
JR007R	2.0	N	N	<5	<10	5	100	<5	30	<5	20	N	7	<10
JR008R1	2.0	N	N	<5	<10	5	100	<5	30	<5	20	N	7	<10
JR008R2	1.5	N	N	10	30	30	70	N	20	10	20	N	10	<10
JR009R	2.0	N	N	<5	<10	5	150	<5	30	<5	15	N	7	<10
JR010R	2.0	N	N	<5	<10	5	100	<5	30	<5	20	N	5	<10
JR011R	2.0	N	N	<5	<10	5	150	<5	30	<5	20	N	7	<10
JR012R	1.5	N	N	<5	<10	30	100	<5	30	<5	15	N	7	<10
JR013R	1.5	N	N	<5	<10	5	100	<5	30	<5	15	N	7	<10
JR014R	1.5	N	N	<5	<10	7	70	<5	30	<5	15	N	7	<10
JR015R	1.5	N	N	<5	<10	7	150	<5	30	<5	15	N	10	<10
JR016R1	N	N	N	50	500	70	<30	N	N	100	N	N	50	<10
JR016R2	N	N	N	<5	<10	5	N	N	N	7	N	N	N	N
JR017R	N	N	N	20	200	70	<30	N	N	70	N	N	15	<10
JR018R	1.5	N	N	5	15	7	100	<5	30	<5	15	N	7	<10
JR019R	2.0	N	N	<5	<10	70	150	<5	30	<5	15	N	7	<10
JR022R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR029R	1.5	N	N	<5	<10	<5	70	<5	50	<5	15	N	7	<10
JR037R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR038R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR041R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR042R	1.5	N	N	<5	<10	<5	100	<5	30	<5	15	N	7	<10
JR045R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR047R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR062R1	1.5	N	N	<5	<10	<5	70	<5	50	<5	15	N	7	<10
JR062R2	1.5	N	N	<5	<10	<5	70	N	30	<5	15	N	7	<10
JR065R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR070R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10
JR071R	1.5	N	N	<5	<10	<5	70	<5	30	<5	15	N	7	<10

TABLE 8.--RESULTS OF ANALYSES OF ROCK SAMPLES FROM THE JARBIDGE RIVER WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
JR001R	300	10	N	70	N	500	N	--	--	<5	<2	<.1	<2	61
JR002R	200	15	N	70	N	500	N	--	--	<5	<2	<.1	<2	65
JR003R	700	500	N	30	N	100	N	--	--	<5	<2	1.1	2	70
JR004R	300	15	N	50	N	500	N	--	--	<5	<2	.2	<2	53
JR005R	300	15	N	50	N	500	N	--	--	<5	<2	.1	<2	46
JR006R	300	10	N	50	N	500	N	--	--	<5	<2	.3	<2	54
JR007R	300	10	N	70	N	500	N	--	--	<5	<2	.2	<2	48
JR008R1	300	10	N	70	N	500	N	--	--	<5	<2	<.1	<2	29
JR008R2	500	70	N	30	N	300	N	--	--	<5	<2	.3	<2	13
JR009R	300	15	N	70	N	500	N	--	--	<5	<2	<.1	<2	26
JR010R	200	10	N	50	N	500	N	--	--	<5	<2	.2	<2	52
JR011R	300	15	N	70	N	500	N	--	--	<5	<2	.2	<2	58
JR012R	300	15	N	70	N	500	N	--	--	<5	<2	.3	<2	48
JR013R	300	20	N	70	N	500	N	--	--	<5	<2	.2	<2	55
JR014R	300	20	N	50	N	500	N	--	--	<5	<2	.3	<2	51
JR015R	300	20	N	70	N	500	N	--	--	<5	<2	.2	<2	70
JR016R1	300	300	N	20	N	100	N	--	--	<5	<2	.9	<2	50
JR016R2	N	<10	N	N	N	20	N	--	--	<5	<2	<.1	<2	5
JR017R	1,000	150	N	10	N	30	N	--	--	<5	<2	1.2	<2	44
JR018R	300	70	N	50	N	500	N	--	--	<5	<2	.2	<2	43
JR019R	300	15	N	50	N	500	N	--	--	<5	<2	.2	<2	65
JR022R	150	15	N	30	N	300	N	<.1	.02	<5	<2	.3	<2	61
JR029R	150	15	N	30	N	300	N	<.1	.02	<5	<2	.4	<2	59
JR037R	100	15	N	30	N	300	N	<.1	<.02	<5	<2	.2	<2	56
JR038R	100	10	N	30	N	300	N	<.1	<.02	<5	<2	.3	<2	77
JR041R	150	<10	N	30	N	300	N	<.1	<.02	<5	<2	.1	<2	31
JR042R	150	10	N	50	N	200	N	<.1	<.02	<5	<2	<.1	<2	20
JR045R	100	15	N	30	N	300	N	<.1	<.02	<5	<2	.3	<2	56
JR047R	100	10	N	30	N	200	N	<.1	<.02	<5	<2	.2	<2	59
JR062R1	100	15	N	30	N	300	N	<.1	<.02	<5	<2	.3	<2	45
JR062R2	150	10	N	30	N	200	N	<.1	<.02	<5	<2	<.1	<2	23
JR065R	100	10	N	30	N	200	N	<.1	.02	<5	<2	.2	<2	33
JR070R	100	15	N	30	N	200	N	<.1	<.02	<5	<2	.2	<2	47
JR071R	100	<10	N	30	N	200	N	<.1	<.02	<5	<2	.2	<2	32

TABLE 9.--RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
WS001S	42 4 26	115 51 0	5	.7	3.0	.7	3,000	N	N	N	15	1,500
WS002S	42 3 4	115 51 37	3	.5	2.0	.5	500	N	N	N	20	1,500
WS003S	42 4 3	115 50 21	7	1.0	3.0	.7	1,500	N	N	N	15	1,500
WS004S	42 6 8	115 51 39	3	.7	3.0	.3	700	N	N	N	20	1,500
WS005S	42 5 27	115 52 5	5	1.0	2.0	.7	700	N	N	N	20	1,500
WS006S	42 5 6	115 52 27	5	.7	3.0	.5	700	N	N	N	15	1,500
WS007S	42 4 56	115 52 29	7	1.0	3.0	1.0	1,000	N	N	N	15	1,500
WS008S	42 6 3	115 54 7	5	.7	3.0	.7	700	N	N	N	20	1,500
WS009S	42 5 20	115 55 22	7	1.5	3.0	.7	1,500	N	N	N	15	1,500
WS010S	42 4 55	115 55 48	5	.7	2.0	.7	1,500	N	N	N	15	1,000
WS011S	42 4 45	115 55 57	3	.7	2.0	.7	2,000	N	N	N	15	1,500
WS012S	42 3 31	115 55 18	3	1.0	3.0	.7	5,000	N	N	N	15	1,500
WS013S	42 2 58	115 56 28	3	.7	2.0	.7	300	N	N	N	15	1,000
WS014S	42 3 8	115 54 12	5	.5	1.5	.7	500	N	N	N	15	1,500
WS015S	42 3 27	115 54 21	3	.7	1.5	.3	700	N	N	N	20	700
WS016S	42 1 52	115 55 4	5	.7	1.5	.7	700	N	N	N	20	1,500

TABLE 9.--RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
WS001S	1.5	N	N	50	70	50	70	N	<20	50	20	N	15	N
WS002S	1.5	N	N	10	30	30	100	N	20	15	15	N	15	N
WS003S	1.5	N	N	20	70	30	70	N	30	30	20	N	15	N
WS004S	1.5	N	N	15	70	30	50	N	<20	20	15	N	15	N
WS005S	1.5	N	N	15	70	30	70	N	<20	30	15	N	20	N
WS006S	1.5	N	N	15	70	30	70	N	<20	30	15	N	15	N
WS007S	1.5	N	N	30	100	30	50	N	30	50	15	N	30	N
WS008S	2.0	N	N	15	70	30	50	N	20	30	20	N	15	N
WS009S	1.5	N	N	50	70	50	70	N	<20	70	20	N	30	N
WS010S	1.5	N	N	30	70	50	50	N	<20	30	15	N	20	N
WS011S	1.5	N	N	50	70	50	50	N	<20	50	20	N	20	N
WS012S	1.5	N	N	70	100	50	50	N	<20	70	20	N	30	N
WS013S	1.5	N	N	15	70	50	50	N	<20	30	15	N	30	N
WS014S	2.0	N	N	10	30	20	150	N	30	10	20	N	15	N
WS015S	1.5	N	N	15	70	50	50	N	<20	30	15	N	20	N
WS016S	2.0	N	N	10	30	30	70	N	30	15	15	N	15	N

TABLE 9.--RESULTS OF STREAM-SEDIMENT SAMPLES FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
WS001S	500	150	N	50	N	300	N	<.1	.03	6	<2	1.1	<2	47
WS002S	500	100	N	70	N	300	N	<.1	.03	<5	<2	.9	<2	55
WS003S	500	150	N	50	N	300	N	<.1	.04	<5	<2	2.0	<2	66
WS004S	700	150	N	30	N	150	N	<.1	.07	7	<2	1.3	<2	69
WS005S	700	150	N	30	N	300	N	<.1	.02	5	<2	1.5	<2	68
WS006S	700	150	N	30	N	300	N	<.1	.03	7	<2	1.3	<2	59
WS007S	300	150	N	30	N	300	N	<.1	<.02	8	<2	2.2	<2	82
WS008S	500	150	N	30	N	300	N	<.1	.03	6	<2	1.3	<2	56
WS009S	500	150	N	30	N	200	N	<.1	.03	11	<2	2.1	<2	75
WS010S	300	150	N	30	N	200	N	<.1	.03	12	<2	1.8	<2	69
WS011S	300	150	N	30	N	300	N	<.1	.05	10	<2	2.0	<2	69
WS012S	300	200	N	30	N	150	N	--	.11	14	<2	2.2	<2	69
WS013S	500	150	N	50	N	150	N	<.1	.03	6	<2	1.4	<2	84
WS014S	300	70	N	70	N	300	N	<.1	.05	<5	<2	.8	<2	48
WS015S	300	150	N	30	N	150	N	<.1	.03	9	<2	1.6	<2	67
WS016S	500	100	N	70	N	500	N	<.1	.12	<5	<2	1.2	<2	81

TABLE 10.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
WS001	42 4 26	115 51 0	.10	.05	1.0	1.5	200	N	N	N	20	300
WS002	42 3 4	115 51 37	.30	.07	.3	.7	150	N	N	N	30	500
WS003	42 4 3	115 50 21	.20	.05	7.0	1.0	200	N	N	N	50	1,000
WS005	42 5 27	115 52 5	2.00	.10	5.0	>2.0	300	3.0	N	N	70	1,000
WS007	42 4 56	115 52 29	.20	.05	1.0	1.0	150	N	N	N	70	3,000
WS008	42 6 3	115 54 7	.20	.05	1.0	2.0	150	N	N	N	50	3,000
WS009	42 5 20	115 55 22	.20	.07	2.0	>2.0	200	N	N	N	70	1,000
WS014	42 3 8	115 54 12	.15	.05	1.0	.3	70	N	N	N	70	1,000

TABLE 10.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
WS001	<2	N	N	N	20	<10	<50	N	N	30	N	N	N	50
WS002	<3	N	N	N	<30	15	<70	N	N	30	N	N	N	<30
WS003	<2	N	N	N	20	150	<50	N	N	20	N	N	N	N
WS005	<2	N	N	N	50	<10	70	N	N	30	N	N	N	100
WS007	<2	N	N	N	<20	<10	<50	N	N	30	N	N	N	70
WS008	2	N	N	N	20	<10	50	N	N	30	N	N	N	N
WS009	3	N	N	N	100	<10	<50	N	N	20	N	N	N	<20
WS014	<2	N	N	N	20	<10	<50	N	N	20	N	N	N	<20

TAPLE 10.--RESULTS OF ANALYSES OF CONCENTRATE SAMPLES FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
WS001	300	50	<100	1,000	N	>2,000	N	--	--	--	--	--	--	--
WS002	500	100	<150	1,500	N	>3,000	N	--	--	--	--	--	--	--
WS003	700	50	<100	500	N	>2,000	N	--	--	--	--	--	--	--
WS005	500	100	<100	700	N	>2,000	N	--	--	--	--	--	--	--
WS007	500	50	<100	500	N	>2,000	N	--	--	--	--	--	--	--
WS008	700	50	<100	700	N	>2,000	N	--	--	--	--	--	--	--
WS009	500	70	<100	700	N	>2,000	N	--	--	--	--	--	--	--
WS014	500	20	<100	700	N	>2,000	N	--	--	--	--	--	--	--

TABLE 11.--RESULTS OF ANALYSIS OF ROCK SAMPLE FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
WS004R	42 6 8	115 50 21	.15	<.02	.07	.005	150	N	N	N	<10	150

TABLE 11.--RESULTS OF ANALYSIS OF ROCK SAMPLE FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
WS004R	1.5	N	N	<5	<10	5	<30	N	<20	<5	<10	N	<5	N

TABLE 11.--RESULTS OF ANALYSIS OF ROCK SAMPLE FROM THE SHEEP CREEK WEST WILDERNESS STUDY AREA, OWYHEE COUNTY, IDAHO--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm aa	As-ppm icp	Bi-ppm icp	Cd-ppm icp	Sb-ppm icp	Zn-ppm icp
WS004R	<100	<10	N	<10	N	10	N	<.1	<.02	<5	<2	<.1	<2	2