UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Analytical results and sample locality maps of stream-sediment, panned-concentrate, rock, and water samples from the West and East Palisades Roadless Areas, Idaho and Wyoming

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STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require 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 West and East Palisades Roadless Areas in the Targhee and Bridger National Forests, Teton and Bonneville Counties, Idaho, and Teton and Lincoln Counties, Wyoming. The West and East Palisades Roadless Areas were classified as a (further planning area) during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

From 1980 to 1982 we conducted a reconnaissance geochemical survey of the West and East Palisades Roadless Areas, Idaho and Wyoming.

The study area comprises about 386 mi^2 (1000 km^2) of the Snake River Range along the Idaho-Wyoming boundary (Figure 1). Jackson, Wyoming lies 7 mi (11 km) east of the northern part of the two areas, considered here as one. Access to the vicinity of the study area is provided on the west by U.S. Highway 26 and State (Idaho) Highway 31, on the south by U.S. Highway 187, and on the east by State (Wyoming) Highway 22 and U.S. Highways 26 and 89. Only pack trails traverse the roadless area.

Bedrock of the Palisades area consists predominantly of westward thickening Paleozoic and Mesozoic sedimentary rocks. These strata have been transported laterally tens of miles eastward and northeastward, in large thrust sheets which are folded and cut by imbricate thrust slices. The strata are locally intruded by several small bodies of igneous rocks, and locally are overlain by upper Cenozoic ash flows and terrestrial sediments. The Archean basement rocks present in the Teton Range to the north are not present here. The individual formations have been described in detail by Oriel and others (unpub. data)

Altitudes in the Palisades region range from 10,025 ft (3234 m) at Mount Baird to about 5,600 ft (1806 m) in Swan Valley. The flanks of the Snake River Range, in contrast to its crest are heavily forested. The climate is moderate.

METHODS OF STUDY

Sample Collection

We collected samples at 603 sites (plate 1). We analyzed 338 stream-sediment samples, 65 panned-concentrate samples, 186 rock samples, and 14 water samples (Tables 4-7), for a sampling density of about 1 sample per 1 mi^2 for the stream sediment and heavy-mineral concentrate, and about 1 sample per 2 mi^2 for the rock. The drainage basins ranged from $\frac{1}{2}$ to 20 mi^2.

Stream-sediment samples

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

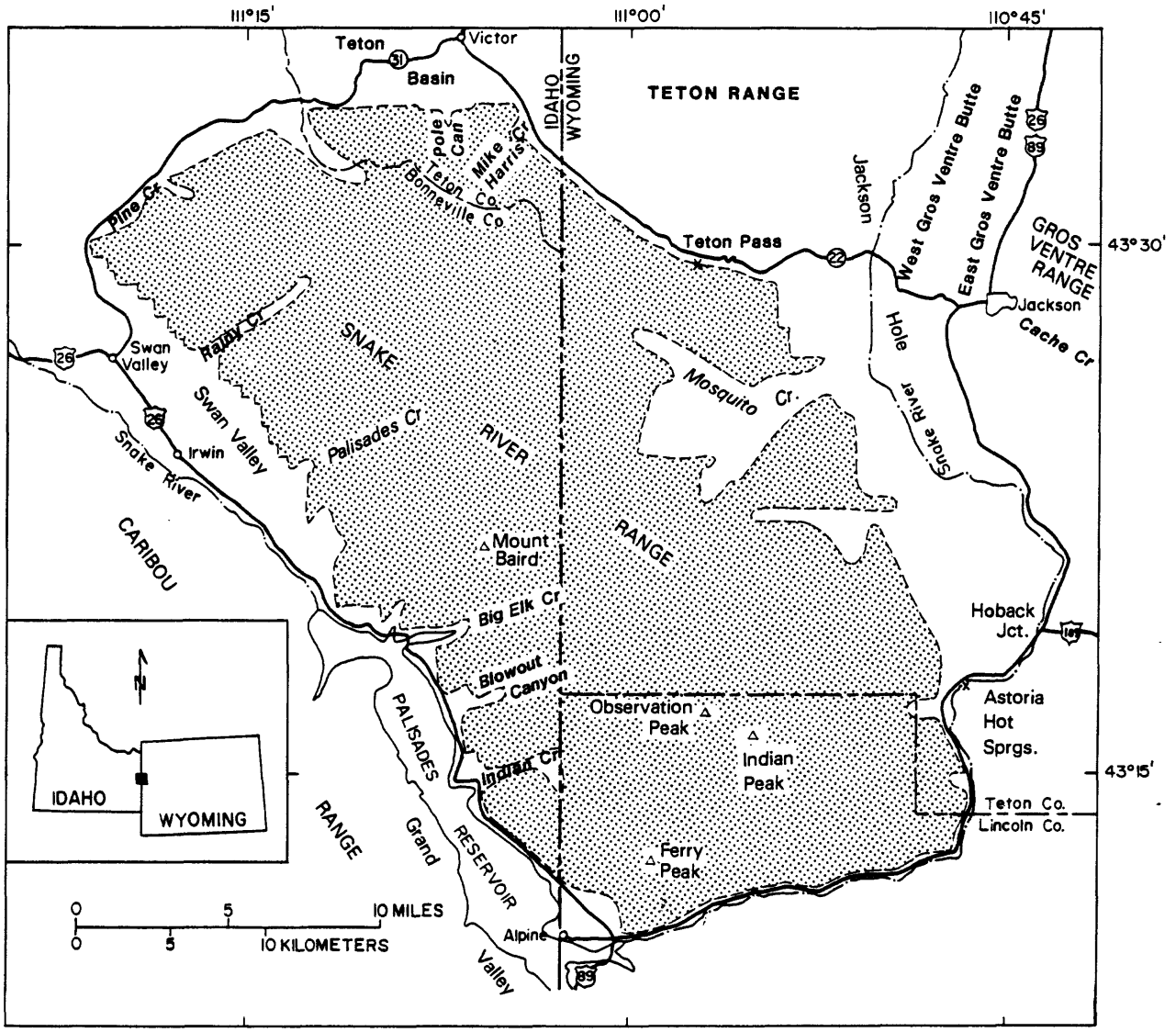

Figure 1.--Map showing location of the West and East Palisades Roadless Area, Idaho-Wyoming

The stream-sediment samples consisted mostly of active alluvium collected primarily from first-order (unbranched) drainages in the study area, as well as from all second-order (below the junction of two or more first-order) and larger streams as shown on USGS topographic maps. At each sample site a composite of fine-grained material was taken that may extend as much as 150 ft from the site plotted on the map.

Heavy-mineral-concentrate samples

We collected concentrates of stream alluvium from drainages large enough to deposit gravel size and coarser sediment. Collection was intentionally biased by selection of material from points of natural concentration of heavy minerals by stream processes. Analyses of the concentrate samples provide information about the chemistry of a number of minerals present in rock material eroded from the drainage basin upstream from each sample site. Selective concentrations of ore-related minerals permits determination of some elements that are not easily detected in fine-grained stream-sediment samples.

The concentrate samples were generally taken in the proximity of the stream-sediment sample locations but were derived from coarser material representing a relatively high energy depositional environment in the stream. A heavy-mineral-concentrate was obtained by panning, which removes most material with a specific gravity less than 3, i.e. quartz, feldspar, organic material and clay-sized particles. The resultant concentrate sample was sent to the laboratory for drying and analysis.

Rock samples

We collected rock samples in the study area to evaluate obvious mineralization and alteration occurrences as well as to provide data from country rocks for the determination of background abundances of elements in various rock types. At locations where mineralization was seen, the rock samples were composed of the most altered and mineralized material present. Otherwise, country rock samples were taken as representative composites of chips from outcrops. Although each background rock sample was selected to be representative of the rocks exposed in the vicinity of the sample site, the actual areal extent of influence of the chemical information provided by a specific sample is not known; the sampling program was designed only to provide general information on the geochemical nature of the rock units present.

Water samples

We collected water samples from springs and seeps. A 500-mL sample was taken at each site and stored in a new untreated plastic bottle. In addition, a 200-mL sample was filtered through a 0.45-micrometer filter, was acidified with reagent-grade concentrated nitric acid to pH 2, and was stored in an acid-rinsed polyethylene bottle.

Sample Preparation

Only the stream-sediment samples required extensive preparation. Rock samples were simply crushed and then pulverized. Water samples required no preparation beyond that done in the process of collecting them.

Stream-sediment samples were air dried in metal-free paper envelopes and sieved through an 80-mesh (177 micron) stainless steel screen. The fraction of each sample passing through the sieve was saved and split into two portions--one for analysis and the other for archival storage.

Panned-concentrates were air dried and examined to determine mineral composition. A small split of each sample was separated and hand ground for spectrographic analysis. The entire remainder of each concentrate was weighed and chemically analyzed (via atomic absorption) for gold content.

Rock samples were crushed in a jaw crusher to minus 6 mm and ground to minus 0.15 mm in a vertical pulverizer equipped with ceramic plates. This fine material was then split into portions for analysis and archival storage.

Sample Analysis

Spectrographic method

We analyzed the stream-sediment, heavy-mineral-concentrate, and rock samples for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968) (Table 3). 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 unit at the 83 percent confidence level and plus or minus two reporting units 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) (table 1).

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

[The spectrographic limits of determination for heavy-mineral-concentrate samples are two reporting units higher than the limits given for rocks and stream sediments]

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

Chemical methods

Other methods of analysis used on samples from the West and East Palisades study area are summarized in table 2.

Table 2.--Chemical methods used

Sample type	Constituent determined	Analytical method	Determination limit[1] micrograms/ gram or ppm	Analyst	Reference
Rocks	Cu, Pb	AA	5	W. L. Campbell	Ward and others, 1969
	Au	AA	0.05	W. L. Campbell	Thompson, 1968.
	As	AA	5 or 10	W. L. Campbell	Thompson, 1968.
	Sb	AA	2	W. L. Campbell	Thompson, 1968.
	Zn	AA	5	W. L. Campbell	Modification of Viets, 1978.
	Bi	AA	1	W. L. Campbell	Modification of Viets, 1978.
	Cd	AA	0.1	W. L. Campbell	Modification of Viets, 1978.
Concentrates	Au	AA	0.05	W. L. Campbell	Thompson, 1968.
Water[2]	Cu, Mo, Zn	AA	1 µg/L	J. B. McHugh	Miller and others, 1982.
	U	Fluorometry	0.1 µg/L	J. B. McHugh	Scintrex Corp., 1978
	$SO_4^=$	Ion Chromatography	0.1 mg/L	J. B. McHugh	Miller and others, 1982
	Cl^-, F^-	Ion Chromatography	.01 mg/L	J. B. McHugh	Miller and others, 1982
	specific conductance	Conductivity bridge	N/A	J. B.	Miller and others, 1982

[1]The determination limit is dependent upon sample weight. Given limits imply use of sample weight required by method. Higher limits of determination result from using less than required sample weight.

[2]Untreated water samples were analyzed for anions, alkalinity, pH, and specific conductance. Filtered and acidified water samples were analyzed for Cu, Pb, Zn, Mo, and U.

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called RASS (Rock Analysis Storage System). This RASS file contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a standard form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1976).

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Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming

[The following qualifiers are used in reporting spectographic data: --, no determination made; N, concentration less than the detection limit; <, detected--but present at a concentration less than the value reported; and >, element present at a concentration greater than the upper detection limit.]

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
PAL5S	43 24 11	111 5 17	1.0	.3	.20	.15	700	N	N	N	30	200
PAL6S	43 25 12	111 5 31	1.5	.7	.50	.20	1,000	<.5	N	N	70	500
PAL7S	43 25 46	111 5 58	1.5	.7	.50	.20	500	<.5	N	N	50	200
PAL8S	43 22 51	111 5 59	2.0	.7	.50	.30	700	N	N	N	150	300
PAL11S	43 23 3	111 6 29	3.0	1.5	1.00	.50	1,000	N	N	N	150	500
PAL12S	43 24 0	111 6 18	2.0	5.0	10.00	.30	300	<.5	N	N	100	200
PAL13S	43 23 58	111 6 22	1.5	1.5	3.00	.15	300	N	N	N	50	150
PAL16S	43 29 22	111 7 20	3.0	1.0	.50	.30	1,000	N	N	N	100	1,000
PAL18S	43 28 52	111 6 12	3.0	1.5	1.00	.30	1,000	N	N	N	150	1,000
PAL20S	43 28 48	111 6 18	3.0	1.0	.70	.30	1,000	N	N	N	150	1,000
PAL37S	43 19 24	110 58 54	1.5	3.0	10.00	.15	300	<.5	N	N	70	150
PAL40S	43 20 0	110 59 11	1.5	3.0	15.00	.15	300	N	N	N	100	200
PAL44S	43 20 19	110 58 50	1.5	1.5	2.00	.30	1,500	N	N	N	100	200
PAL46S	43 21 10	110 58 25	3.0	3.0	7.00	.50	3,000	N	N	N	200	500
PAL47S	43 21 36	110 58 51	.3	.7	1.00	.07	200	<.5	N	N	50	100
PAL48S	43 21 57	110 59 5	1.5	1.5	3.00	.15	1,000	<.5	N	N	70	150
PAL50S	43 22 34	110 59 22	3.0	1.5	3.00	.20	700	N	N	N	100	500
PAL52S	43 22 26	110 59 22	2.0	2.0	5.00	.20	1,500	N	N	N	150	300
PAL53S	43 22 34	110 59 54	3.0	2.0	3.00	.30	3,000	N	N	N	150	500
PAL55S	43 18 31	110 57 8	1.0	2.0	1.50	.15	200	<.5	N	N	70	150
PAL56S	43 19 6	110 56 42	.7	1.5	1.50	.10	200	<.5	N	N	20	100
PAL57S	43 19 20	110 56 36	2.0	2.0	2.00	.20	2,000	N	N	N	150	300
PAL59S	43 19 32	110 56 16	1.0	1.0	3.00	.10	700	N	N	N	70	150
PAL60S	43 19 48	110 56 5	2.0	2.0	2.00	.50	3,000	N	N	N	100	200
PAL61S	43 20 8	110 55 37	2.0	2.0	2.00	.50	3,000	N	N	N	100	500
PAL62S	43 20 26	110 55 0	1.5	.7	.70	.15	500	<.5	N	N	70	150
PAL64S	43 20 48	110 53 45	1.5	1.0	2.00	.20	1,000	N	N	N	70	200
PAL65S	43 20 53	110 53 33	2.0	.7	.70	.30	1,500	<.5	N	N	70	500
PAL66S	43 20 50	110 53 47	2.0	.7	.70	.30	700	<.5	N	N	70	700
PAL73S	43 16 37	110 54 39	1.5	.7	5.00	.15	300	N	N	N	70	300
PAL74S	43 16 35	110 54 30	3.0	1.0	.70	.20	700	N	N	N	70	500
PAL75S	43 16 43	110 54 24	2.0	.7	5.00	.20	300	N	N	N	150	300
PAL80S	43 17 10	110 53 15	3.0	1.5	7.00	.30	1,000	N	N	N	150	200
PAL81S	43 17 11	110 52 48	3.0	2.0	7.00	.30	1,500	N	N	N	150	200
PAL83S	43 17 34	110 52 14	3.0	1.0	1.50	.30	700	N	N	N	300	300
PAL84S	43 17 30	110 51 57	2.0	1.0	7.00	.20	1,000	N	N	N	150	200
PAL85S	43 16 44	110 56 51	3.0	1.0	5.00	.30	1,000	N	N	N	150	300
PAL86S	43 16 34	110 56 42	1.5	.7	.30	.20	300	N	N	N	150	300
PAL87S	43 16 36	110 56 6	3.0	.7	.70	.30	700	N	N	N	200	300
PAL88S	43 16 31	110 55 51	2.0	1.0	1.50	.30	1,000	N	N	N	150	500
PAL89S	43 16 24	110 55 49	3.0	1.5	1.50	.50	2,000	N	N	N	200	300
PAL90S	43 16 18	110 55 45	3.0	1.5	1.50	.50	2,000	N	N	N	200	500
PAL91S	43 16 6	110 55 47	3.0	2.0	1.50	.50	2,000	N	N	N	150	300
PAL94S	43 15 46	110 56 9	5.0	1.5	.70	.70	5,000	N	N	N	200	700
PAL95S	43 15 47	110 56 19	3.0	1.0	2.00	.30	700	N	N	N	300	300

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL5S	1.0	N	N	5	30	5	30	N	N	10	30
PAL6S	1.0	N	N	7	100	20	30	N	N	30	50
PAL7S	1.5	N	N	7	50	15	30	N	N	20	30
PAL8S	1.5	N	N	7	70	20	30	N	<20	30	50
PAL11S	2.0	N	N	10	150	30	30	N	<20	70	50
PAL12S	1.0	N	N	7	100	15	20	N	N	30	30
PAL13S	1.0	N	N	5	30	5	20	N	N	15	30
PAL16S	2.0	N	N	7	70	20	50	N	<20	30	50
PAL18S	2.0	N	N	7	70	30	30	N	N	20	30
PAL20S	2.0	N	N	7	100	30	30	N	<20	30	30
PAL37S	1.5	N	N	5	50	15	20	N	N	15	50
PAL40S	1.0	N	N	5	70	7	20	N	N	10	30
PAL44S	1.5	N	N	7	70	15	30	N	<20	15	30
PAL46S	1.5	N	N	10	100	30	50	<5	N	50	30
PAL47S	1.0	N	N	N	50	10	20	N	N	5	15
PAL48S	1.5	N	N	5	70	15	30	<5	N	30	15
PAL50S	2.0	N	N	7	70	20	30	N	N	20	20
PAL52S	1.5	N	N	7	70	20	20	<5	N	30	20
PAL53S	1.5	N	N	10	150	30	30	N	N	50	20
PAL55S	1.0	N	N	7	50	10	20	N	N	20	50
PAL56S	1.0	N	N	<5	50	<5	20	N	N	10	20
PAL57S	1.5	N	N	7	70	20	30	N	N	30	20
PAL59S	1.0	N	N	5	30	7	20	N	N	15	20
PAL60S	1.5	N	N	7	100	30	30	<5	N	30	30
PAL61S	1.5	N	N	7	70	20	50	N	<20	30	30
PAL62S	1.0	N	N	5	50	15	20	N	N	20	20
PAL64S	1.5	N	N	5	70	15	30	N	N	20	20
PAL65S	2.0	N	N	5	70	20	50	N	<20	30	30
PAL66S	2.0	N	N	7	50	15	50	N	<20	20	30
PAL73S	1.5	N	N	7	30	15	20	N	N	10	20
PAL74S	2.0	N	N	7	70	30	30	N	N	20	30
PAL75S	1.0	N	N	7	100	20	30	N	N	15	30
PAL80S	1.5	N	N	10	100	30	30	N	N	30	30
PAL81S	1.5	N	N	10	70	30	30	N	N	30	30
PAL83S	1.5	N	N	10	70	20	30	N	N	30	15
PAL84S	1.5	N	N	7	50	20	30	N	N	15	30
PAL85S	2.0	N	N	10	70	30	30	N	N	30	50
PAL86S	1.5	N	N	5	20	10	20	N	N	15	20
PAL87S	1.5	N	N	7	70	20	50	N	N	20	30
PAL88S	1.5	N	N	7	70	20	30	N	N	20	20
PAL89S	1.5	N	N	10	70	30	30	N	N	30	30
PAL90S	1.5	N	N	10	70	20	30	N	N	20	30
PAL91S	1.5	N	N	10	70	30	30	N	<20	30	30
PAL94S	2.0	N	N	10	150	30	50	N	N	30	30
PAL95S	2.0	N	N	7	100	20	30	N	N	20	15

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL5S	N	<5	N	N	30	N	<10	N	300	N
PAL6S	N	5	N	N	70	N	20	N	200	N
PAL7S	N	5	N	N	50	N	15	N	300	N
PAL8S	N	5	N	N	70	N	20	N	200	N
PAL11S	N	10	N	100	100	N	30	N	300	N
PAL12S	N	5	N	N	70	N	20	N	200	N
PAL13S	N	<5	N	N	70	N	10	N	300	N
PAL16S	N	7	N	100	200	N	30	N	300	N
PAL18S	N	7	N	100	200	N	30	N	300	N
PAL20S	N	7	N	100	200	N	30	N	300	N
PAL37S	N	<5	N	100	30	N	15	N	70	N
PAL40S	N	<5	N	100	50	N	15	N	300	N
PAL44S	N	<5	N	100	70	N	20	N	1,000	N
PAL46S	N	10	N	100	150	N	30	N	200	N
PAL47S	N	N	N	N	30	N	15	N	300	N
PAL48S	N	5	N	N	70	N	20	N	200	N
PAL50S	N	7	N	100	70	N	30	N	150	N
PAL52S	N	5	N	100	70	N	20	N	150	N
PAL53S	N	7	N	100	100	N	30	N	150	N
PAL55S	N	<5	N	N	50	N	<10	N	200	N
PAL56S	N	<5	N	N	30	N	<10	N	200	N
PAL57S	N	5	N	N	70	N	20	N	200	N
PAL59S	N	<5	N	N	30	N	10	N	150	N
PAL60S	N	7	N	<100	70	N	30	N	300	N
PAL61S	N	10	N	100	70	N	30	N	300	N
PAL62S	N	<5	N	N	70	N	15	N	500	N
PAL64S	N	5	N	<100	70	N	20	N	300	N
PAL65S	N	7	N	<100	70	N	20	N	300	N
PAL66S	N	7	N	<100	100	N	30	N	300	N
PAL73S	N	5	N	<100	30	N	<10	N	150	N
PAL74S	N	5	N	100	70	N	200	N	150	N
PAL75S	N	5	N	100	50	N	15	N	500	N
PAL80S	N	7	N	100	70	N	20	N	150	N
PAL81S	N	10	N	200	70	N	20	N	150	N
PAL83S	N	10	N	100	70	N	20	N	200	N
PAL84S	N	5	N	200	70	N	20	N	300	N
PAL85S	N	7	N	200	70	N	30	N	200	N
PAL86S	N	<5	N	N	30	N	<10	N	300	N
PAL87S	N	7	N	<100	50	N	20	N	300	N
PAL88S	N	5	N	N	70	N	15	N	300	N
PAL89S	N	7	N	N	70	N	20	N	500	N
PAL90S	N	7	N	<100	70	N	30	N	500	N
PAL91S	N	10	N	100	70	N	30	N	500	N
PAL94S	N	10	N	<100	100	N	30	N	700	N
PAL95S	N	7	N	<100	70	N	20	N	200	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL96S	43 15 31	110 56 28	3.0	3.0	2.00	.70	2,000	N	N	N	200	500
PAL97S	43 15 7	110 57 29	3.0	1.5	1.50	.70	2,000	N	N	N	150	700
PAL98S	43 15 3	110 57 28	3.0	2.0	1.50	.50	1,500	N	N	N	200	700
PAL99S	43 14 57	110 58 3	5.0	2.0	2.00	.70	5,000	N	N	N	200	1,000
PAL100S	43 14 53	110 57 57	5.0	2.0	2.00	.70	5,000	N	N	N	200	1,000
PAL101S	43 14 46	110 58 22	3.0	1.5	1.50	.70	1,500	N	N	N	150	700
PAL103S	43 18 7	110 55 37	2.0	3.0	15.00	.20	700	N	N	N	70	200
PAL104S	43 18 3	110 55 37	5.0	2.0	10.00	.70	1,500	N	N	N	200	500
PAL105S	43 18 29	110 55 16	2.0	.7	2.00	.30	1,500	.5	N	N	100	300
PAL106S	43 18 50	110 54 38	3.0	2.0	1.50	.50	5,000	N	N	N	150	500
PAL110S	43 18 47	110 54 38	1.5	3.0	10.00	.15	500	N	N	N	70	150
PAL111S	43 19 0	110 54 29	1.5	.5	.70	.30	500	N	N	N	100	700
PAL112S	43 19 16	110 54 3	2.0	.5	1.50	.30	500	N	N	N	50	700
PAL114S	43 19 17	110 53 27	1.5	1.0	7.00	.30	500	N	N	N	70	300
PAL115S	43 19 53	110 49 13	1.5	1.5	7.00	.30	700	N	N	N	100	300
PAL118S	43 31 28	111 7 58	1.5	.5	.50	.30	700	N	N	N	70	500
PAL119S	43 31 35	111 7 48	3.0	1.0	.50	.50	1,000	N	N	N	100	700
PAL123S	43 30 30	111 8 54	2.0	.7	.70	.30	1,000	N	N	N	100	700
PAL124S	43 30 27	111 9 19	2.0	.7	1.00	.30	700	N	N	N	70	500
PAL125S	43 29 35	111 10 9	2.0	1.0	3.00	.50	1,500	N	N	N	100	500
PAL127S	43 29 36	111 10 19	3.0	.7	1.50	.30	1,500	N	N	N	100	500
PAL132S	43 25 19	111 3 16	1.5	2.0	7.00	.20	700	7.0	N	N	70	200
PAL133S	43 25 27	111 3 4	2.0	2.0	7.00	.30	1,500	1.0	N	N	150	150
PAL135S	43 25 13	111 2 15	2.0	2.0	7.00	.30	1,500	1.0	N	N	100	150
PAL136S	43 25 14	111 2 12	3.0	1.5	3.00	.30	2,000	N	N	N	100	500
PAL141S	43 24 20	111 1 28	2.0	1.0	2.00	.20	1,500	<.5	N	N	70	700
PAL143S	43 23 48	111 1 46	.5	.7	1.50	.15	150	N	N	N	15	150
PAL144S	43 23 36	111 1 46	.5	3.0	3.00	.10	150	<.5	N	N	15	150
PAL145S	43 23 23	111 1 44	3.0	3.0	3.00	.50	1,000	N	N	N	150	700
PAL147S	43 23 17	111 1 53	1.5	2.0	2.00	.20	500	<.5	N	N	70	200
PAL148S	43 26 20	111 1 50	3.0	1.0	1.00	.50	700	N	N	N	200	700
PAL149S	43 26 43	111 2 48	3.0	.7	.50	.30	1,000	N	N	N	150	700
PAL150S	43 27 10	111 3 23	3.0	.7	.50	.30	700	N	N	N	150	700
PAL152S	43 27 28	111 3 50	3.0	3.0	15.00	.30	2,000	N	N	N	150	300
PAL154S	43 27 28	111 3 46	3.0	1.0	1.00	.30	1,000	N	N	N	100	700
PAL155S	43 27 49	111 4 2	3.0	1.5	7.00	.30	1,000	N	N	N	150	700
PAL156S	43 28 15	111 4 43	3.0	2.0	10.00	.30	1,000	N	N	N	150	500
PAL158S	43 28 35	111 5 10	3.0	1.0	2.00	.30	700	N	N	N	150	700
PAL160S	43 28 31	111 5 10	2.0	1.0	3.00	.20	1,000	N	N	N	100	700
PAL161S	43 14 31	110 54 56	5.0	3.0	3.00	.50	3,000	N	N	N	200	700
PAL162S	43 14 12	110 53 57	5.0	1.5	1.00	.50	3,000	N	N	N	150	700
PAL163S	43 13 46	110 53 41	5.0	2.0	1.50	.50	3,000	N	N	N	200	500
PAL164S	43 12 54	110 53 4	3.0	3.0	5.00	.50	3,000	N	N	N	150	500
PAL166S	43 12 54	110 52 51	5.0	3.0	10.00	.30	2,000	N	N	N	200	500
PAL168S	43 13 18	110 52 26	5.0	3.0	10.00	.30	2,000	N	N	N	150	500

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL96S	2.0	N	N	10	100	30	50	N	N	30	50
PAL97S	1.5	N	N	10	100	20	30	N	<20	50	30
PAL98S	1.5	N	N	10	100	20	50	N	<20	50	20
PAL99S	2.0	N	N	15	150	30	70	10	<20	70	30
PAL100S	1.5	N	N	10	150	30	50	N	N	50	30
PAL101S	1.5	N	N	7	100	15	70	N	N	10	15
PAL103S	1.0	N	N	7	30	15	20	N	N	15	30
PAL104S	1.5	N	N	15	100	30	50	N	<20	30	30
PAL105S	1.5	N	N	7	100	20	30	7	N	30	30
PAL106S	1.5	N	N	10	100	30	50	N	N	30	30
PAL110S	<1.0	N	N	10	50	15	20	N	N	15	30
PAL111S	1.5	N	N	7	70	15	70	N	<20	15	30
PAL112S	2.0	N	N	7	30	7	70	N	<20	10	30
PAL114S	1.5	N	N	7	50	10	50	N	N	10	20
PAL115S	1.5	N	N	7	50	15	30	N	N	15	20
PAL118S	2.0	N	N	7	50	20	50	N	N	15	30
PAL119S	1.5	N	N	10	50	20	30	N	<20	30	30
PAL123S	2.0	N	N	7	70	20	30	N	<20	20	30
PAL124S	1.5	N	N	10	70	20	50	N	N	30	30
PAL125S	1.5	N	N	10	70	20	30	N	N	20	20
PAL127S	2.0	N	N	10	70	20	50	N	<20	30	30
PAL132S	<1.0	N	N	5	700	50	70	70	N	100	30
PAL133S	1.0	N	N	10	200	30	70	10	N	70	30
PAL135S	1.0	N	N	7	200	30	50	10	<20	70	30
PAL136S	1.5	N	N	10	100	30	50	N	<20	50	30
PAL141S	1.5	N	N	7	100	20	20	<5	N	20	30
PAL143S	<1.0	N	N	<5	50	<5	20	N	N	10	15
PAL144S	<1.0	N	N	<5	70	10	20	N	N	15	15
PAL145S	1.0	N	N	10	100	20	30	N	<20	50	20
PAL147S	1.0	N	N	5	100	10	20	N	N	20	20
PAL148S	2.0	N	N	7	100	20	50	N	<20	30	30
PAL149S	2.0	N	N	10	100	30	50	N	<20	30	30
PAL150S	2.0	N	N	10	100	20	30	N	<20	30	30
PAL152S	1.5	N	N	10	70	30	30	N	N	30	30
PAL154S	2.0	N	N	10	70	20	50	N	N	30	30
PAL155S	1.5	N	N	10	70	20	30	N	N	30	30
PAL156S	1.5	N	N	10	70	30	30	N	N	20	30
PAL158S	2.0	N	N	7	70	20	50	N	<20	20	30
PAL160S	2.0	N	N	7	30	20	30	N	N	20	20
PAL161S	1.5	N	N	10	150	30	50	N	<20	50	20
PAL162S	1.5	N	N	10	150	30	50	<5	<20	50	20
PAL163S	1.5	N	N	10	150	30	50	N	<20	50	30
PAL164S	1.5	N	N	10	100	20	30	N	N	30	20
PAL166S	1.0	N	N	10	100	20	50	N	N	30	20
PAL168S	1.0	N	N	10	100	20	50	N	N	30	20

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL96S	N	10	N	<100	100	N	50	N	300	N
PAL97S	N	10	N	<100	100	N	50	N	300	N
PAL98S	N	10	N	<100	100	N	30	N	300	N
PAL99S	N	15	N	100	200	N	70	200	500	N
PAL100S	N	15	N	100	150	N	50	N	300	N
PAL101S	N	5	N	<100	70	N	30	N	>1,000	N
PAL103S	N	<5	N	200	50	N	15	N	200	N
PAL104S	N	10	N	300	100	N	30	N	300	N
PAL105S	N	5	N	N	150	N	30	N	300	N
PAL106S	N	10	N	<100	100	N	30	N	300	N
PAL110S	N	5	N	100	50	N	10	N	100	N
PAL111S	N	5	N	100	70	N	20	N	700	N
PAL112S	N	5	N	300	70	N	30	N	300	N
PAL114S	N	5	N	200	50	N	20	N	300	N
PAL115S	N	5	N	150	70	N	20	N	200	N
PAL118S	N	5	N	N	70	N	30	N	200	N
PAL119S	N	7	N	<100	100	N	30	N	300	N
PAL123S	N	5	N	N	100	N	30	N	300	N
PAL124S	N	5	N	<100	100	N	30	N	300	N
PAL125S	N	7	N	<100	100	N	30	N	>1,000	N
PAL127S	N	7	N	<100	100	N	30	N	300	N
PAL132S	N	5	N	150	700	N	70	700	500	N
PAL133S	N	7	N	100	200	N	70	300	300	N
PAL135S	N	5	N	100	200	N	50	300	200	N
PAL136S	N	10	N	<100	100	N	30	N	300	N
PAL141S	N	7	N	<100	100	N	20	N	300	N
PAL143S	N	<5	N	N	30	N	10	N	500	N
PAL144S	N	<5	N	N	70	N	15	N	300	N
PAL145S	N	10	N	<100	100	N	30	N	300	N
PAL147S	N	5	N	N	70	N	20	N	1,000	N
PAL148S	N	10	N	100	100	N	20	N	300	N
PAL149S	N	10	N	<100	150	N	30	N	300	N
PAL150S	N	10	N	<100	100	N	20	N	200	N
PAL152S	N	10	N	200	100	N	30	N	200	N
PAL154S	N	10	N	100	100	N	30	N	300	N
PAL155S	N	10	N	200	100	N	30	N	300	N
PAL156S	N	10	N	300	100	N	20	N	150	N
PAL158S	N	7	N	150	100	N	20	N	300	N
PAL160S	N	7	N	150	100	N	20	N	200	N
PAL161S	N	10	N	100	100	N	30	N	300	N
PAL162S	N	10	N	100	150	N	30	N	500	N
PAL163S	N	10	N	100	150	N	30	N	300	N
PAL164S	N	10	N	150	100	N	30	N	300	N
PAL166S	N	7	N	200	100	N	30	N	>1,000	N
PAL168S	N	10	N	150	70	N	30	N	300	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL170S	43 12 7	110 53 3	3.0	3.0	7.00	.30	3,000	N	N	N	150	500
PAL172S	43 11 47	110 55 40	3.0	3.0	3.00	.50	2,000	N	N	N	100	300
PAL174S	43 11 35	110 56 48	3.0	3.0	7.00	.30	2,000	N	N	N	150	300
PAL175S	43 15 47	110 52 58	3.0	1.5	15.00	.30	1,000	N	N	N	100	300
PAL176S	43 15 53	110 52 57	5.0	1.5	1.50	.70	1,000	N	N	N	500	300
PAL178S	43 16 15	110 51 30	3.0	1.5	1.50	.50	5,000	N	N	N	150	700
PAL180S	43 15 48	110 50 41	2.0	.7	.70	.20	1,000	N	N	N	70	700
PAL181S	43 15 22	110 48 30	3.0	1.0	1.00	.30	700	N	N	N	70	1,000
PAL184S	43 15 18	110 48 23	3.0	1.0	1.50	.50	1,500	N	N	N	100	700
PAL185S	43 22 36	110 54 55	3.0	1.0	1.00	.30	2,000	N	N	N	100	700
PAL186S	43 24 2	110 56 28	2.0	.7	1.00	.50	500	N	N	N	100	700
PAL187S	43 23 42	110 56 42	3.0	1.0	.70	.30	1,500	N	N	N	150	1,000
PAL188S	43 23 40	110 57 26	2.0	.7	.70	.30	1,500	N	N	N	50	1,000
PAL189S	43 14 39	110 59 4	3.0	1.5	1.50	.50	2,000	N	N	N	150	700
PAL190S	43 14 30	110 59 14	3.0	5.0	7.00	.30	3,000	N	N	N	200	700
PAL107S	43 18 46	110 54 35	3.0	2.0	7.00	.30	1,500	N	N	N	150	300
PAL193S	43 15 57	111 2 40	2.0	5.0	10.00	.30	1,500	N	N	N	100	300
PAL195S	43 14 36	111 2 20	2.0	2.0	2.00	.30	2,000	N	N	N	150	500
PAL196S	43 14 28	111 2 20	2.0	2.0	3.00	.20	1,000	N	N	N	70	300
PAL198S	43 19 32	111 6 32	1.5	1.5	5.00	.20	700	N	N	N	150	200
PAL199S	43 20 19	111 8 41	2.0	7.0	10.00	.20	500	N	N	N	150	200
PAL200S	43 20 19	111 8 46	3.0	7.0	15.00	.20	300	N	N	N	150	300
PAL38S	43 19 26	110 59 0	1.5	3.0	7.00	.15	300	N	N	N	70	200
PAL42S	43 20 17	110 58 55	.7	1.5	5.00	.10	150	N	N	N	30	150
PAL129S	43 29 16	111 12 29	1.5	.7	1.50	.30	700	N	N	N	70	700
PAL138S	43 25 2	111 1 54	3.0	1.0	.70	.50	1,000	N	N	N	150	150
PAL142S	43 24 18	111 1 44	1.5	1.5	3.00	.20	500	1.0	N	N	100	150
PG4	43 15 13	111 5 35	1.5	2.0	3.00	.30	1,500	N	N	N	70	200
PG5	43 15 58	111 4 58	1.5	1.5	15.00	.20	500	N	N	N	70	150
PG6	43 15 23	111 4 42	1.5	3.0	5.00	.30	1,000	N	N	N	100	150
PG7	43 15 46	111 3 15	1.5	3.0	7.00	.30	1,000	N	N	N	70	200
PG8	43 14 33	111 2 5	2.0	2.0	3.00	.30	2,000	N	N	N	100	200
PG9	43 14 58	111 2 48	1.5	2.0	5.00	.30	1,500	N	N	N	100	200
PG10	43 15 25	111 3 26	2.0	3.0	3.00	.30	1,500	N	N	N	100	300
PG11	43 30 31	111 21 21	1.5	.7	1.00	.20	500	N	N	N	70	300
PG12	43 19 27	111 6 33	1.5	1.0	3.00	.15	500	N	N	N	70	200
PG13	43 29 30	111 10 36	2.0	.5	.70	.20	700	N	N	N	70	500
PG18	43 22 25	111 0 20	.3	.3	.50	.05	100	N	N	N	<10	70
PG19	43 22 32	111 1 0	1.5	.7	2.00	.10	500	N	N	N	100	500
PG20	43 22 29	111 1 31	1.5	1.0	3.00	.15	700	N	N	N	100	300
PG21	43 22 27	111 1 46	1.5	1.0	3.00	.15	700	N	N	N	70	300
PG22	43 20 7	111 2 8	1.5	5.0	7.00	.20	300	N	N	N	150	150
PG60	43 33 11	111 17 17	2.0	.7	.70	.20	500	N	N	N	70	500
PG23	43 30 44	111 5 16	1.5	1.0	1.00	.50	700	N	N	N	150	500
PG24	43 30 43	111 5 29	2.0	1.0	.50	.20	700	N	N	N	150	700

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL170S	1.5	N	N	10	100	20	50	N	N	50	20
PAL172S	<1.0	N	N	10	150	30	30	5	N	50	30
PAL174S	1.5	N	N	7	100	20	30	N	N	20	30
PAL175S	1.5	N	N	7	70	20	30	N	N	15	30
PAL176S	1.5	N	N	10	100	30	50	N	<20	30	20
PAL178S	1.5	N	N	7	100	20	50	N	N	30	30
PAL180S	2.0	N	N	7	70	20	30	N	<20	20	30
PAL181S	2.0	N	N	5	100	15	70	N	<20	15	30
PAL184S	2.0	N	N	7	70	15	50	N	<20	15	30
PAL185S	2.0	N	N	7	50	20	30	N	N	20	30
PAL186S	1.5	N	N	7	70	15	30	N	<20	10	30
PAL187S	2.0	N	N	7	100	30	50	N	N	30	30
PAL188S	1.5	N	N	7	30	7	30	N	<20	10	30
PAL189S	1.5	N	N	7	100	20	50	N	<20	20	30
PAL190S	1.5	N	N	10	150	20	50	N	N	30	30
PAL107S	1.5	N	N	10	50	30	30	N	N	15	30
PAL193S	1.5	N	N	7	70	10	50	N	N	15	20
PAL195S	1.5	N	N	7	100	15	30	N	N	20	20
PAL196S	1.5	N	N	5	50	15	30	N	N	15	30
PAL198S	1.0	N	N	5	50	7	30	N	N	5	20
PAL199S	1.5	N	N	7	100	20	30	N	N	20	30
PAL200S	1.5	N	N	7	70	15	50	N	N	20	30
PAL38S	1.5	N	N	<5	70	10	20	N	N	15	30
PAL42S	1.0	N	N	<5	30	5	20	N	N	10	20
PAL129S	2.0	N	N	<5	70	15	30	N	N	10	30
PAL138S	2.0	N	N	7	70	20	30	N	N	20	20
PAL142S	<1.0	N	N	<5	190	20	30	15	N	50	30
PG4	1.5	N	N	7	70	15	20	N	N	15	20
PG5	1.5	N	N	5	70	15	30	N	N	15	30
PG6	1.0	N	N	7	70	10	20	N	N	15	20
PG7	1.5	N	N	7	70	15	30	N	N	10	30
PG8	1.5	N	N	7	100	15	20	N	<20	15	20
PG9	1.5	N	N	7	70	15	20	N	N	15	30
PG10	1.5	N	N	7	100	20	30	5	N	20	30
PG11	1.5	N	N	5	70	10	30	N	<20	7	20
PG12	1.0	N	N	<5	100	10	20	N	N	10	20
PG13	2.0	N	N	7	70	15	50	N	N	15	30
PG18	N	N	N	N	50	<5	<20	N	N	7	<10
PG19	1.5	N	N	<5	70	10	20	N	N	10	15
PG20	1.5	N	N	5	70	10	20	N	N	10	20
PG21	1.5	N	N	5	50	10	20	N	N	15	15
PG22	1.0	N	N	7	70	15	20	N	N	20	20
PG60	1.5	N	N	5	50	10	70	N	N	7	20
PG23	2.0	N	N	7	70	20	30	N	<20	20	30
PG24	2.0	N	N	7	70	20	30	N	N	15	30

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL170S	N	10	N	100	100	N	30	N	300	N
PAL172S	N	10	N	<100	100	N	30	N	200	N
PAL174S	N	5	N	<100	70	N	30	N	300	N
PAL175S	N	7	N	300	70	N	20	N	500	N
PAL176S	N	10	N	<100	100	N	30	N	700	N
PAL178S	N	7	N	100	100	N	30	N	700	N
PAL180S	N	5	N	100	100	N	20	N	200	N
PAL181S	N	5	N	200	100	N	30	N	500	N
PAL184S	N	7	N	150	100	N	30	N	1,000	N
PAL185S	N	5	N	N	100	N	20	N	200	N
PAL186S	N	5	N	<100	70	N	30	N	>1,000	N
PAL187S	N	7	N	<100	100	N	30	N	300	N
PAL188S	N	5	N	150	70	N	20	N	300	N
PAL189S	N	5	N	<100	100	N	30	N	>1,000	N
PAL190S	N	7	N	<100	150	N	30	N	300	N
PAL107S	N	7	N	150	70	N	20	N	200	N
PAL193S	N	5	N	100	70	N	30	N	300	N
PAL195S	N	5	N	<100	70	N	30	N	300	N
PAL196S	N	5	N	<100	50	N	15	N	150	N
PAL198S	N	5	N	<100	70	N	50	N	>1,000	N
PAL199S	N	7	N	<100	70	N	20	N	150	N
PAL200S	N	7	N	N	70	N	15	N	200	N
PAL38S	N	<5	N	<100	50	N	15	N	150	N
PAL42S	N	<5	N	N	30	N	10	N	500	N
PAL129S	N	5	N	150	70	N	20	N	500	N
PAL138S	N	7	N	150	70	N	30	N	300	N
PAL142S	N	<5	N	N	150	N	30	N	1,000	N
PG4	N	5	N	100	70	N	20	N	300	N
PG5	N	5	N	100	70	N	20	N	200	N
PG6	N	5	N	<100	70	N	20	N	300	N
PG7	N	5	N	100	70	N	30	N	500	N
PG8	N	5	N	<100	70	N	30	N	500	N
PG9	N	5	N	<100	70	N	30	N	700	N
PG10	N	5	N	<100	100	N	30	N	500	N
PG11	N	<5	N	<100	70	N	20	N	1,000	N
PG12	N	<5	N	<100	70	N	20	N	700	N
PG13	N	5	N	<100	100	N	30	N	300	N
PG18	N	N	N	N	20	N	<10	N	500	N
PG19	N	<5	N	100	70	N	20	N	200	N
PG20	N	5	N	100	70	N	20	N	300	N
PG21	N	<5	N	<100	70	N	20	N	200	N
PG22	N	5	N	N	70	N	20	N	150	N
PG60	N	5	N	100	70	N	20	N	500	N
PG23	N	7	N	<100	100	N	30	N	700	N
PG24	N	5	N	<100	70	N	20	N	200	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PG25	43 30 28	111 5 23	2.0	1.0	.50	.30	500	N	N	N	150	500
PG26	43 30 4	111 5 30	1.5	1.5	.50	.30	1,000	N	N	N	150	700
PG61	43 33 37	111 16 0	1.5	.7	.70	.30	2,000	N	N	N	100	700
PG27	43 29 58	111 5 33	2.0	1.0	.50	.30	700	N	N	N	150	500
PG29	43 28 54	111 6 14	2.0	.7	.70	.30	700	N	N	N	100	500
PG30	43 28 25	111 6 4	2.0	.7	1.00	.30	700	N	N	N	100	500
PG31	43 28 20	111 5 55	2.0	1.0	2.00	.50	700	N	N	N	150	500
PG32	43 25 39	111 6 34	.5	.3	.70	.07	150	N	N	N	50	100
PG33	43 26 35	111 8 6	2.0	1.0	2.00	.30	700	N	N	N	100	700
PG34	43 26 32	111 8 7	.1	1.5	2.00	.03	70	N	N	N	10	50
PG35	43 26 15	111 8 31	1.0	1.5	7.00	.15	200	N	N	N	50	200
PG36	43 28 40	111 1 43	2.0	.7	.70	.20	500	N	N	N	70	1,000
PG62	43 33 31	111 15 2	1.5	.7	2.00	.20	700	N	N	N	50	1,000
PG38	43 28 34	111 1 29	2.0	.5	.70	.30	500	N	N	N	70	700
PG39	43 28 16	111 0 47	2.0	.7	2.00	.30	700	N	N	N	100	700
PG63	43 34 22	111 11 6	2.0	.7	.70	.20	700	N	N	N	70	1,000
PG41	43 28 14	111 0 44	2.0	.7	.70	.30	700	N	N	N	70	700
PG42	43 29 29	111 2 56	2.0	1.0	.50	.30	1,000	N	N	N	100	700
PG43	43 28 0	111 0 36	3.0	1.0	1.50	.30	700	N	N	N	100	700
PG44	43 27 43	110 59 42	3.0	1.0	1.00	.30	700	N	N	N	100	700
PG45	43 23 13	111 4 13	1.5	7.0	10.00	.20	500	N	N	N	70	150
PG46	43 23 47	111 3 27	2.0	2.0	5.00	.20	1,000	N	N	N	100	200
PG47	43 23 49	111 3 14	.7	.7	.70	.15	150	N	N	N	70	150
PG48	43 23 34	111 2 36	1.5	1.5	3.00	.15	500	N	N	N	50	200
PG49	43 22 43	111 3 3	1.5	1.0	.70	.20	500	N	N	N	70	300
PG50	43 22 30	111 2 49	1.5	1.5	5.00	.20	500	N	N	N	70	300
PG51	43 21 54	111 2 16	1.5	1.0	2.00	.15	700	N	N	N	70	300
PG52	43 21 40	111 2 33	1.5	1.0	3.00	.20	500	N	N	N	70	300
PG53	43 18 27	110 52 27	2.0	1.0	7.00	.50	700	N	N	N	150	500
PG54	43 18 22	110 52 15	2.0	1.0	7.00	.30	700	N	N	N	150	300
PG55	43 18 13	110 51 39	2.0	.7	1.00	.50	700	N	N	N	100	1,000
PG56	43 18 11	110 51 37	2.0	.7	1.50	.30	700	N	N	N	100	700
PG57	43 18 14	110 51 0	1.5	.7	.70	.30	500	N	N	N	70	700
PG58	43 18 10	110 50 17	1.5	.5	.70	.30	700	N	N	N	70	700
PG59	43 17 52	110 50 19	1.5	.5	.70	.30	500	N	N	N	100	700
PG72	43 34 7	111 14 30	2.0	.7	.70	.30	700	N	N	N	100	700
PG74	43 33 9	111 4 40	2.0	2.0	2.00	.50	700	N	N	N	150	500
PG75	43 32 30	111 2 38	1.5	2.0	3.00	.20	500	N	N	N	100	300
PG76	43 31 39	111 1 26	2.0	1.5	3.00	.50	700	N	N	N	150	300
PG77	43 30 1	110 58 27	2.0	1.5	2.00	.30	700	N	N	N	150	300
PG78	43 31 25	111 14 55	2.0	1.0	1.50	.50	1,500	N	N	N	150	500
PG82	43 26 56	110 57 49	2.0	.7	.50	.30	700	N	N	N	100	700
PG83	43 26 40	110 57 10	2.0	1.0	.50	.30	700	N	N	N	100	500
PG84	43 25 25	110 50 56	1.5	.5	.50	.20	500	N	N	N	100	700
PG85A	43 23 19	110 49 43	1.5	.5	.70	.30	500	N	N	N	70	700

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PG25	1.5	N	N	7	50	20	30	N	<20	15	30
PG26	1.5	N	N	7	70	20	30	N	N	20	30
PG61	1.5	N	N	7	150	20	30	N	N	15	20
PG27	2.0	N	N	7	50	20	30	N	<20	20	30
PG29	1.5	N	N	7	50	20	30	N	N	15	30
PG30	1.5	N	N	7	70	20	30	N	N	20	30
PG31	1.5	N	N	7	70	20	50	N	<20	20	30
PG32	<1.0	N	N	<5	20	5	<20	N	N	10	15
PG33	1.5	N	N	5	100	20	30	<5	N	30	30
PG34	<1.0	N	N	N	20	<5	20	N	N	5	20
PG35	1.0	N	N	N	70	7	20	N	N	20	20
PG36	2.0	N	N	5	70	10	50	N	<20	10	30
PG62	1.0	N	N	5	70	15	30	N	N	10	30
PG38	2.0	N	N	7	70	15	30	N	<20	15	50
PG39	2.0	N	N	7	70	20	30	N	N	15	30
PG63	1.5	N	N	7	70	15	30	N	N	15	30
PG41	1.5	N	N	7	70	15	30	N	N	15	30
PG42	1.5	N	N	7	70	20	30	N	N	15	30
PG43	1.5	N	N	7	100	20	30	N	N	20	30
PG44	1.5	N	N	7	70	20	30	N	N	20	50
PG45	<1.0	N	N	7	70	10	20	N	N	15	30
PG46	1.0	N	N	7	100	15	30	N	N	30	30
PG47	<1.0	N	N	N	50	<5	20	N	N	7	10
PG48	1.0	N	N	N	70	7	20	N	N	15	20
PG49	1.0	N	N	5	100	15	20	N	N	15	20
PG50	1.0	N	N	5	100	15	20	N	N	15	30
PG51	1.0	N	N	5	100	15	30	N	N	15	20
PG52	1.5	N	N	5	30	10	20	N	N	10	20
PG53	1.5	N	N	7	50	20	50	N	N	15	30
PG54	1.5	N	N	7	70	20	30	N	N	15	30
PG55	2.0	N	N	5	50	15	70	N	<20	10	30
PG56	1.5	N	N	5	50	20	70	N	N	15	30
PG57	1.5	N	N	7	50	10	30	N	<20	15	30
PG58	1.5	N	N	7	70	15	30	N	N	15	30
PG59	1.5	N	N	7	70	10	50	N	N	10	30
PG72	1.5	N	N	7	70	20	30	N	<20	15	30
PG74	1.0	N	N	7	70	20	30	N	N	30	30
PG75	1.5	N	N	5	100	15	20	N	N	20	30
PG76	1.5	N	N	7	70	15	30	N	N	20	30
PG77	1.5	N	N	7	100	20	20	N	N	20	30
PG78	1.5	N	N	7	70	20	20	N	N	15	30
PG82	1.5	N	N	7	70	20	30	N	<20	15	30
PG83	1.5	N	N	7	70	20	30	N	N	20	30
PG84	1.5	N	N	5	70	10	30	N	N	10	20
PG85A	1.0	N	N	7	70	15	30	N	N	10	20

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PG25	N	5	N	N	100	N	20	N	300	N
PG26	N	5	N	<100	100	N	20	N	300	N
PG61	N	5	N	<100	70	N	20	N	500	N
PG27	N	5	N	N	100	N	20	N	300	N
PG29	N	5	N	100	70	N	20	N	200	N
PG30	N	5	N	100	70	N	20	N	300	N
PG31	N	7	N	150	70	N	30	N	300	N
PG32	N	N	N	N	30	N	N	N	150	N
PG33	N	5	N	150	100	N	30	N	200	N
PG34	N	N	N	N	10	N	N	N	70	N
PG35	N	<5	N	100	30	N	<10	<200	150	N
PG36	N	5	N	150	70	N	30	N	200	N
PG62	N	5	15	200	50	N	20	N	100	N
PG38	N	5	N	150	70	N	30	N	300	N
PG39	N	7	N	150	70	N	20	N	200	N
PG63	N	5	N	100	70	N	20	N	200	N
PG41	N	5	N	100	70	N	20	N	300	N
PG42	N	5	N	N	70	N	20	N	300	N
PG43	N	7	N	N	70	N	30	N	300	N
PG44	N	7	N	N	100	N	20	N	200	N
PG45	N	5	N	N	50	N	20	N	200	N
PG46	N	5	N	N	70	N	30	N	200	N
PG47	N	<5	N	N	20	N	10	N	300	N
PG48	N	<5	N	N	30	N	15	N	150	N
PG49	N	5	N	N	50	N	15	N	150	N
PG50	N	5	N	N	50	N	20	N	200	N
PG51	N	<5	N	<100	50	N	15	N	200	N
PG52	N	<5	N	N	50	N	20	N	150	N
PG53	N	7	N	200	100	N	30	N	200	N
PG54	N	7	N	300	70	N	20	N	200	N
PG55	N	7	N	200	100	N	20	N	300	N
PG56	N	5	N	200	100	N	20	N	300	N
PG57	N	5	N	200	100	N	20	N	300	N
PG58	N	5	N	100	100	N	20	N	200	N
PG59	N	5	N	100	100	N	20	N	300	N
PG72	N	5	N	100	100	N	20	N	300	N
PG74	N	7	N	<100	100	N	20	N	500	N
PG75	N	5	N	<100	70	N	20	N	300	N
PG76	N	5	N	<100	70	N	30	N	300	N
PG77	N	5	N	<100	70	N	30	N	300	N
PG78	N	5	N	<100	70	N	20	N	500	N
PG82	N	5	N	<100	70	N	20	N	500	N
PG83	N	5	N	N	100	N	20	N	200	N
PG84	N	7	N	150	70	N	20	N	300	N
PG85A	N	5	N	100	70	N	20	N	300	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Latitude	Longitude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s	s
PG85B	43 21 14	110 49 49	2.0	.7	.70	.30	2,000	N	N	N	70	1,000
PG87	43 14 59	110 46 43	1.5	.7	.70	.15	500	N	N	N	70	700
PG88	43 12 52	110 48 26	1.5	.7	1.00	.20	500	N	N	N	70	700
PG89	43 12 23	110 50 12	1.5	.5	.70	.15	300	N	N	N	70	700
PG90	43 11 52	110 54 38	2.0	1.0	.70	.50	1,000	N	N	N	100	300
PG91	43 11 6	110 57 46	1.5	7.0	15.00	.15	300	N	N	N	50	100
PG64	43 33 55	111 7 12	2.0	.7	.70	.70	700	N	N	N	150	500
PG65	43 33 6	111 6 58	2.0	1.0	1.50	.50	700	N	N	N	150	500
PAL202S	43 33 38	111 7 9	2.0	1.0	1.00	.50	700	N	N	N	100	500
PAL203S	43 33 47	111 5 20	2.0	.7	1.00	.30	1,000	N	N	N	70	1,000
PAL205S	43 34 3	111 10 39	2.0	.7	.50	.30	700	N	N	N	100	700
PAL207S	43 34 12	111 11 38	1.5	.7	.70	.30	500	N	N	N	70	1,000
PAL209S	43 33 12	111 14 36	2.0	.7	1.50	.50	1,000	N	N	N	70	1,000
PAL210S	43 33 41	111 15 9	2.0	.7	1.00	.30	500	N	N	N	70	1,000
PAL211S	43 31 48	111 17 22	1.5	.7	1.50	.30	1,500	N	N	N	70	500
PAL212S	43 31 26	111 19 0	2.0	3.0	5.00	.30	700	N	N	N	70	500
PF1	43 19 40	110 47 47	2.0	1.5	5.00	.50	500	N	N	N	100	500
PF2	43 19 53	110 48 2	1.5	.5	1.00	.20	300	N	N	N	70	500
PF3	43 20 41	110 49 16	1.5	.7	1.50	.30	500	N	N	N	70	500
PF4	43 22 35	110 53 17	1.5	.7	1.00	.30	1,000	N	N	N	100	500
PF5	43 22 19	110 54 53	2.0	1.0	1.00	.50	1,500	N	N	N	100	500
PF7	43 15 56	111 2 49	1.5	2.0	5.00	.15	1,000	N	N	N	70	200
PF8	43 27 52	111 15 22	2.0	1.0	2.00	.30	500	N	N	N	70	700
PF9	43 28 14	111 14 43	2.0	1.0	2.00	.50	300	N	N	N	100	500
PF10	43 28 36	111 13 24	2.0	.7	1.50	.50	300	N	N	N	70	500
PF81	43 25 59	110 54 26	2.0	.7	.70	.50	500	N	N	N	100	500
PF12	43 29 26	111 12 28	2.0	.7	1.00	.30	500	N	N	N	100	500
PF13	43 29 18	111 12 18	2.0	.7	1.50	.30	700	N	N	N	100	1,500
PF14	43 28 55	111 12 48	1.0	2.0	7.00	.15	150	N	N	N	50	300
PF15	43 31 37	111 19 30	2.0	1.0	1.00	.30	700	N	N	N	100	700
PF16	43 19 58	111 5 18	1.5	1.5	3.00	.20	700	N	N	N	100	300
PF17	43 20 31	111 4 6	1.5	1.0	5.00	.20	700	N	N	N	100	300
PF18	43 19 32	111 9 18	1.5	5.0	15.00	.20	500	N	N	N	100	200
PF19	43 20 27	111 8 47	1.0	1.5	20.00	.15	300	N	N	N	50	150
PF20	43 21 45	111 10 57	1.5	2.0	15.00	.20	300	N	N	N	70	200
PF21	43 24 23	111 11 8	2.0	3.0	10.00	.20	1,000	N	N	N	100	300
PF29	43 18 16	111 0 6	1.5	5.0	15.00	.20	500	N	N	N	100	200
PF42B	43 18 15	111 0 3	3.0	.7	.50	.30	700	N	N	N	100	500
PF25	43 18 26	111 0 31	2.0	7.0	15.00	.20	500	N	N	N	70	150
PF26	43 18 24	111 0 21	1.5	5.0	7.00	.30	500	N	N	N	100	150
PF27	43 18 19	111 0 17	1.5	7.0	10.00	.20	500	N	N	N	100	150
PF28	43 18 16	111 0 10	1.5	7.0	10.00	.15	300	N	N	N	70	150
PF30	43 17 55	110 59 58	1.5	5.0	10.00	.10	500	N	N	N	70	150
PF31A	43 17 41	110 59 58	1.5	7.0	10.00	.15	700	N	N	N	70	150
PF31B	43 17 41	110 59 58	1.5	2.0	5.00	.30	500	N	N	N	100	150

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PG85B	1.5	N	N	7	70	20	30	N	N	15	30
PG87	1.5	N	N	5	70	10	30	N	N	7	30
PG88	1.5	N	N	5	50	10	30	N	N	7	30
PG89	1.5	N	N	N	70	7	30	N	N	5	30
PG90	1.5	N	N	7	100	20	20	N	N	30	30
PG91	<1.0	N	N	5	70	5	20	N	N	10	20
PG64	1.5	N	N	7	70	20	20	N	<20	20	20
PG65	1.5	N	N	7	50	20	30	N	<20	15	30
PAL202S	1.5	N	N	7	70	20	20	N	20	30	20
PAL203S	2.0	N	N	5	50	20	30	N	<20	20	30
PAL205S	1.5	N	N	7	70	15	30	N	<20	20	30
PAL207S	1.5	N	N	7	70	10	150	N	<20	15	30
PAL209S	1.5	N	N	7	70	15	50	N	<20	15	30
PAL210S	2.0	N	N	7	50	15	50	N	<20	20	30
PAL211S	1.5	N	N	7	100	15	30	N	<20	20	20
PAL212S	1.5	N	N	7	100	20	30	N	<20	20	50
PF1	1.5	N	N	7	100	20	30	N	<20	20	30
PF2	1.0	N	N	<5	70	5	20	N	N	10	20
PF3	1.5	N	N	5	70	15	30	N	N	15	30
PF4	1.5	N	N	7	100	20	20	N	N	20	30
PF5	1.5	N	N	7	150	20	30	N	<20	30	30
PF7	<1.0	N	N	5	70	15	20	N	N	15	20
PF8	1.5	N	N	7	70	15	30	N	<20	20	30
PF9	1.5	N	N	7	70	15	30	N	N	20	30
PF10	1.5	N	N	7	70	15	30	N	<20	15	30
PF81	1.0	N	N	7	50	20	20	N	N	20	30
PF12	1.5	N	N	7	70	15	70	N	N	15	30
PF13	1.5	N	N	7	100	20	20	N	<20	20	30
PF14	N	N	N	5	70	5	30	N	N	10	15
PF15	1.5	N	N	7	70	20	30	N	N	20	30
PF16	1.0	N	N	5	70	15	20	N	N	15	20
PF17	1.5	N	N	7	70	15	30	N	N	20	30
PF18	1.5	N	N	5	70	15	20	N	N	15	20
PF19	<1.0	N	N	N	70	10	20	N	N	7	150
PF20	1.0	N	N	5	100	15	20	N	N	15	20
PF21	1.0	N	N	5	100	20	20	N	N	20	30
PF29	1.0	N	N	5	100	10	20	N	N	15	20
PF42B	1.5	N	N	7	100	20	20	N	<20	15	30
PF25	1.0	N	N	5	70	15	20	N	N	20	30
PF26	1.0	N	N	7	100	15	20	N	N	20	50
PF27	1.0	N	N	7	70	15	20	N	N	20	20
PF28	1.0	N	N	7	100	15	20	N	N	20	20
PF30	<1.0	N	N	5	70	15	20	N	N	15	20
PF31A	1.0	N	N	7	70	15	20	N	N	15	20
PF31B	1.0	N	N	7	70	10	20	N	N	15	15

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PG85B	N	5	N	200	70	N	20	N	300	N
PG87	N	<5	N	150	50	N	20	N	300	N
PG88	N	5	N	200	50	N	20	N	150	N
PG89	N	<5	N	<100	50	N	15	N	200	N
PG90	N	5	N	N	70	N	20	N	300	N
PG91	N	<5	N	150	30	N	20	N	150	N
PG64	N	5	N	100	100	N	20	N	700	N
PG65	N	5	N	100	70	N	20	N	300	N
PAL202S	N	5	N	<100	70	N	30	N	700	N
PAL203S	N	5	N	100	70	N	70	N	500	N
PAL205S	N	5	N	<100	100	N	30	N	300	N
PAL207S	N	5	N	100	70	N	30	N	300	N
PAL209S	N	5	N	150	70	N	30	N	500	N
PAL210S	N	5	N	150	100	N	30	N	300	N
PAL211S	N	<5	N	N	70	N	20	N	500	N
PAL212S	N	5	N	<100	70	N	20	N	500	N
PF1	N	5	N	150	70	N	20	N	300	N
PF2	N	5	N	<100	70	N	20	N	500	N
PF3	N	5	N	<100	70	N	20	N	300	N
PF4	N	5	N	100	70	N	20	N	300	N
PF5	N	5	N	100	70	N	30	N	500	N
PF7	N	<5	N	<100	100	N	20	N	200	N
PF8	N	5	N	150	100	N	20	N	500	N
PF9	N	5	N	100	100	N	30	N	500	N
PF10	N	<5	N	<100	100	N	20	N	500	N
PF81	N	5	N	100	100	N	20	N	500	N
PF12	N	5	N	100	100	N	20	N	300	N
PF13	N	5	N	<100	100	N	30	N	300	N
PF14	N	<5	N	100	50	N	15	N	200	N
PF15	N	5	N	<100	70	N	20	N	300	N
PF16	N	<5	N	N	70	N	20	N	500	N
PF17	N	<5	N	<100	70	N	20	N	300	N
PF18	N	<5	N	N	50	N	15	N	100	N
PF19	N	<5	N	100	30	N	15	N	150	N
PF20	N	5	N	100	50	N	20	N	200	N
PF21	N	5	N	100	70	N	20	N	200	N
PF29	N	5	N	150	70	N	15	N	100	N
PF42B	N	5	N	<100	100	N	20	N	200	N
PF25	N	5	N	N	70	N	20	N	150	N
PF26	N	7	N	150	100	N	20	N	100	N
PF27	N	7	N	100	70	N	20	N	150	N
PF28	N	7	N	150	70	N	15	N	100	N
PF30	N	5	N	150	70	N	15	N	150	N
PF31A	N	5	N	150	70	N	20	N	100	N
PF31B	N	5	N	<100	70	N	30	N	300	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PF32	43 17 37	110 59 59	1.5	2.0	5.00	.20	700	N	N	N	100	200
PF33	43 17 21	111 0 8	2.0	1.0	.30	.50	700	N	N	N	150	200
PF34	43 17 20	111 0 12	1.5	2.0	5.00	.30	700	N	N	N	100	200
PF35	43 17 14	111 0 15	3.0	1.5	.70	.50	1,500	N	N	N	150	300
PF36	43 17 7	111 0 20	2.0	1.0	.70	.50	1,000	N	N	N	150	300
PF37	43 16 51	111 0 34	2.0	1.5	.70	.30	1,000	N	N	N	100	300
PF39	43 19 50	111 2 9	2.0	7.0	10.00	.50	300	N	N	N	150	200
PF40	43 20 32	111 3 21	1.5	5.0	7.00	.15	300	N	N	N	100	150
PF41	43 29 40	111 2 52	2.0	1.5	10.00	.30	500	N	N	N	100	300
PF42A	43 29 27	111 3 32	2.0	.7	.30	.30	500	N	N	N	70	500
PF43	43 29 23	111 3 37	2.0	1.0	.70	.30	500	N	N	N	100	500
PF44	43 29 29	111 3 45	2.0	1.5	7.00	.30	500	N	N	N	100	500
PF45	43 29 37	111 4 16	2.0	1.0	.50	.30	500	N	N	N	70	500
PF46	43 29 32	111 4 21	2.0	1.0	1.00	.30	500	N	N	N	100	500
PF47	43 29 13	111 4 44	2.0	1.0	2.00	.30	500	N	N	N	70	500
PF48	43 29 1	111 4 49	2.0	1.0	1.00	.20	500	N	N	N	70	500
PF49	43 28 41	111 5 5	2.0	1.0	1.50	.30	500	N	N	N	100	700
PF53	43 17 44	110 50 7	1.5	.7	1.00	.20	700	N	N	N	100	700
PF54	43 17 14	110 49 19	2.0	1.0	3.00	.30	700	N	N	N	100	500
PF55	43 32 4	111 18 3	2.0	1.0	2.00	.30	1,500	N	N	N	100	700
PF56	43 31 30	111 16 37	1.5	.7	.70	.20	1,500	N	N	N	100	700
PF57	43 31 14	111 16 30	2.0	1.0	1.50	.50	1,000	N	N	N	100	700
PF58	43 31 28	111 16 6	1.5	.5	1.00	.30	1,500	N	N	N	70	500
PF59	43 32 43	111 18 3	2.0	.7	1.00	.30	1,000	N	N	N	100	700
PF60	43 33 1	111 17 7	1.5	.7	5.00	.30	1,000	N	N	N	70	500
PF61	43 33 49	111 15 48	1.5	.5	.70	.30	700	N	N	N	70	700
PF62	43 34 3	111 10 39	2.0	.7	.70	.30	700	N	N	N	100	700
PF65	43 29 2	110 54 30	1.5	3.0	5.00	.30	300	N	N	N	70	200
PF66A	43 26 32	110 52 28	2.0	.7	.50	.30	700	N	N	N	100	700
PF66B	43 32 33	111 7 11	2.0	1.0	1.00	.30	700	N	N	N	100	700
PF67	43 25 50	110 55 4	2.0	.7	.50	.30	700	N	N	N	70	700
PF68	43 26 7	110 55 43	2.0	.5	.30	.50	700	N	N	N	150	700
PF70	43 26 13	110 51 54	3.0	.7	.70	.50	1,000	N	N	N	70	700
PF71	43 23 35	110 50 2	1.5	.7	1.00	.30	300	N	N	N	70	700
PF72	43 23 44	110 49 41	1.5	.5	.50	.20	500	N	N	N	100	700
PF73	43 19 44	110 47 58	1.5	1.5	5.00	.20	500	N	N	N	100	500
PF74	43 17 56	110 48 0	1.5	.5	.50	.20	500	N	N	N	100	700
PF75	43 17 9	110 47 59	2.0	1.0	2.00	.20	500	N	N	N	100	700
PF76	43 12 51	110 47 47	2.0	.7	.50	.20	500	N	N	N	100	700
PF77	43 12 29	110 49 14	1.5	.5	.70	.20	500	N	N	N	70	700
PF78	43 11 42	110 55 39	3.0	3.0	3.00	.30	2,000	N	N	N	150	500
PF79	43 11 31	110 56 47	2.0	3.0	5.00	.30	2,000	N	N	N	100	300
PF80	43 10 44	110 59 0	1.0	7.0	20.00	.07	200	N	N	N	30	70
PAL306S	43 15 59	110 54 51	5.0	2.0	1.00	.70	700	N	N	N	150	500
PAL307S	43 15 43	110 54 7	1.5	.7	.07	.30	500	N	N	N	150	300

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PF32	<1.0	N	N	7	70	10	20	N	N	15	20
PF33	1.0	N	N	7	150	20	30	N	<20	15	20
PF34	<1.0	N	N	7	100	15	20	N	N	15	20
PF35	1.5	N	N	10	70	20	30	N	<20	20	20
PF36	1.0	N	N	7	70	15	30	N	N	20	20
PF37	1.0	N	N	7	100	20	30	N	N	20	20
PF39	1.0	N	N	10	70	20	30	N	N	30	20
PF40	<1.0	N	N	7	70	15	20	N	N	20	20
PF41	1.0	N	N	10	70	20	30	N	N	20	30
PF42A	1.5	N	N	7	50	15	30	N	N	15	20
PF43	1.5	N	N	7	50	20	30	N	<20	20	30
PF44	1.5	N	N	7	50	20	30	N	N	20	30
PF45	1.5	N	N	7	70	20	20	N	<20	20	30
PF46	1.0	N	N	7	100	20	30	N	<20	20	30
PF47	1.5	N	N	7	70	20	30	N	<20	20	30
PF48	1.5	N	N	7	100	20	30	N	<20	20	30
PF49	1.5	N	N	7	70	20	30	N	<20	20	30
PF53	2.0	N	N	7	70	10	30	N	N	15	30
PF54	<1.0	N	N	7	70	15	30	N	<20	15	30
PF55	1.5	N	N	5	70	20	30	N	N	20	30
PF56	1.5	N	N	5	100	15	20	N	N	15	30
PF57	1.5	N	N	7	100	20	30	N	<20	30	30
PF58	1.0	N	N	5	50	15	20	N	N	15	20
PF59	1.5	N	N	7	70	15	70	N	N	15	30
PF60	1.0	N	N	5	100	10	20	N	N	10	20
PF61	1.5	N	N	5	50	10	20	N	N	15	20
PF62	2.0	N	N	7	70	20	30	N	<20	20	30
PF65	1.0	N	N	5	100	10	30	N	N	15	30
PF66A	1.5	N	N	7	100	20	30	N	N	20	30
PF66B	1.5	N	N	7	70	20	20	N	N	15	30
PF67	1.5	N	N	7	70	15	30	N	<20	15	20
PF68	1.5	N	N	7	100	20	30	N	<20	20	30
PF70	1.5	N	N	7	70	15	100	N	<20	15	20
PF71	1.5	N	N	5	50	15	30	N	N	15	20
PF72	1.5	N	N	5	70	15	20	N	<20	10	20
PF73	1.0	N	N	7	70	15	30	N	N	15	20
PF74	1.5	N	N	7	70	15	30	N	N	15	30
PF75	1.5	N	N	7	70	15	30	N	N	15	30
PF76	1.5	N	N	7	100	20	30	N	<20	20	30
PF77	1.5	N	N	5	50	10	30	N	N	10	30
PF78	1.0	N	N	7	100	20	30	N	N	20	30
PF79	1.0	N	N	10	100	30	30	N	N	30	30
PF80	<1.0	N	N	<5	50	7	20	N	N	10	10
PAL306S	2.0	N	N	15	70	30	50	N	<20	30	30
PAL307S	1.0	N	N	7	70	20	20	N	N	15	50

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PF32	N	5	N	<100	70	N	20	N	300	N
PF33	N	5	N	<100	70	N	50	N	>1,000	N
PF34	N	5	N	100	70	N	20	N	500	N
PF35	N	7	N	100	100	N	30	N	500	N
PF36	N	5	N	100	70	N	30	N	500	N
PF37	N	7	N	100	70	N	20	N	300	N
PF39	N	7	N	<100	100	N	20	N	150	N
PF40	N	5	N	N	50	N	20	N	150	N
PF41	N	10	N	300	100	N	20	N	200	N
PF42A	N	5	N	150	100	N	15	N	700	N
PF43	N	7	N	150	100	N	20	N	300	N
PF44	N	7	N	200	100	N	30	N	300	N
PF45	N	7	N	<100	100	N	20	N	300	N
PF46	N	7	N	150	100	N	20	N	300	N
PF47	N	7	N	200	100	N	20	N	300	N
PF48	N	7	N	150	100	N	20	N	200	N
PF49	N	7	N	150	100	N	20	200	200	N
PF53	N	5	N	100	70	N	20	300	300	N
PF54	N	7	N	150	70	N	20	300	300	N
PF55	N	7	N	100	70	N	20	300	300	N
PF56	N	5	N	N	70	N	20	500	500	N
PF57	N	7	N	150	100	N	30	300	300	N
PF58	N	<5	N	N	50	N	20	500	500	N
PF59	N	<5	N	150	70	N	20	300	300	N
PF60	N	5	N	200	50	N	20	300	300	N
PF61	N	5	N	150	70	N	20	300	300	N
PF62	N	5	N	100	100	N	30	300	300	N
PF65	N	<5	N	N	70	N	15	300	300	N
PF66A	N	5	N	100	100	N	20	300	300	N
PF66B	N	7	N	N	70	N	15	300	300	N
PF67	N	7	N	N	70	N	30	300	300	N
PF68	N	7	N	N	100	N	20	500	500	N
PF70	N	7	N	<100	70	N	30	300	300	N
PF71	N	5	N	100	100	N	20	300	300	N
PF72	N	5	N	<100	70	N	20	200	200	N
PF73	N	5	N	150	70	N	20	200	200	N
PF74	N	5	N	150	100	N	20	200	200	N
PF75	N	5	N	150	70	N	20	N	200	N
PF76	N	5	N	<100	100	N	20	N	200	N
PF77	N	5	N	150	70	N	15	N	200	N
PF78	N	7	N	100	100	N	30	N	200	N
PF79	N	7	N	100	100	N	30	N	300	N
PF80	N	<5	N	<100	20	N	15	N	30	N
PAL306S	N	15	N	200	100	N	50	N	300	N
PAL307S	N	5	N	N	70	N	15	N	300	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL308S	43 15 35	110 53 57	3.0	1.5	1.00	.70	3,000	N	N	N	150	500
PAL309S	43 15 32	110 52 56	3.0	1.5	10.00	.50	700	N	N	N	200	300
PAL311S	43 15 34	110 52 53	5.0	2.0	3.00	.70	5,000	N	N	N	200	700
PAL313S	43 15 13	110 52 19	3.0	1.0	.70	.50	700	N	N	N	150	300
PAL316S	43 27 38	111 9 19	2.0	2.0	3.00	.50	500	N	N	N	200	500
PAL318S	43 27 20	111 10 42	3.0	3.0	3.00	.70	700	N	N	N	150	500
PAL335S	43 21 52	111 4 27	1.5	7.0	20.00	.20	300	N	N	N	70	200
PAL403S	43 16 13	110 54 28	3.0	2.0	.50	.50	700	N	N	N	150	700
PAL408S	43 16 26	110 54 21	5.0	2.0	.70	.50	1,000	N	N	N	150	700
PAL413S	43 16 35	110 54 29	3.0	1.0	.30	.50	1,000	N	N	N	150	700
PAL421S	43 16 43	110 54 46	3.0	1.5	.30	.50	1,500	N	N	N	200	500
PAL422S	43 16 38	110 54 42	3.0	1.5	.70	.50	1,000	N	N	N	200	500
PAL424S	43 11 54	111 1 5	5.0	1.5	1.50	.70	1,000	N	N	N	200	700
PAL425S	43 12 26	111 2 59	7.0	2.0	5.00	.70	1,000	N	N	N	300	700
PAL427S	43 15 32	111 4 51	1.5	1.5	20.00	.20	700	N	N	N	50	300
PAL428S	43 15 20	111 4 29	3.0	.7	1.50	.30	1,000	N	N	N	70	700
PAL429S	43 14 55	111 2 53	1.0	.7	1.50	.30	200	N	N	N	70	500
PAL430S	43 17 35	111 5 11	3.0	7.0	15.00	.50	1,000	N	N	N	100	500
PAL432S	43 19 31	111 7 11	3.0	2.0	3.00	.50	1,500	N	N	N	100	700
PAL434S	43 20 47	111 11 47	1.0	.7	5.00	.30	200	N	N	N	70	300
PAL436S	43 27 35	111 15 50	1.0	1.0	3.00	.20	500	N	N	N	70	500
PAL437S	43 28 39	111 14 55	3.0	1.0	.70	.50	1,500	N	N	N	150	700
PAL439S	43 28 51	111 13 12	1.5	1.5	10.00	.30	500	N	N	N	50	300
PAL441S	43 18 2	110 58 55	2.0	1.5	5.00	.30	1,000	N	N	N	150	300
PAL443S	43 24 54	110 52 38	2.0	.7	.70	.30	700	N	N	N	100	1,000
PAL445S	43 25 42	110 52 43	2.0	.7	.70	.50	700	N	N	N	100	700
PAL447S	43 28 38	110 55 19	2.0	.7	3.00	.30	1,000	N	N	N	150	300
PAL449S	43 29 57	110 58 44	3.0	2.0	5.00	.30	700	<.5	N	N	150	500
PAL451S	43 28 13	111 0 46	3.0	1.0	5.00	.50	1,000	N	N	N	200	700
PAL453S	43 28 13	111 0 50	3.0	1.0	.50	.30	700	N	N	N	100	1,000
PAL455S	43 28 10	111 0 45	3.0	1.0	.70	.30	1,000	N	N	N	150	700
PAL457S	43 27 22	110 58 31	3.0	.7	.70	.30	1,000	N	N	N	150	700
PAL459S	43 27 27	110 58 30	3.0	1.0	3.00	.30	1,000	N	N	N	200	700
PAL481S	43 27 44	111 12 32	2.0	5.0	15.00	.30	1,000	N	N	N	100	500
PAL483S	43 26 37	110 57 16	3.0	.7	.30	.30	1,000	N	N	N	150	1,000
PAL485S	43 24 42	111 8 22	2.0	3.0	5.00	.30	700	N	N	N	150	300
PAL487S	43 23 43	111 7 45	2.0	1.5	1.50	.30	700	N	N	N	150	500
PAL489S	43 28 37	111 17 57	3.0	1.0	1.50	.30	1,000	N	N	N	150	700
PAL491S	43 25 55	111 14 45	2.0	1.0	2.00	.30	700	N	N	N	150	500
PAL493S	43 29 58	111 0 16	3.0	1.5	2.00	.50	1,000	.5	N	N	200	300
81G8	43 28 19	111 6 10	2.0	.7	3.00	.30	700	N	N	N	100	700
81G9	43 27 46	111 6 41	1.5	1.0	5.00	.30	1,500	2.0	N	N	70	700
81G10	43 27 19	111 7 22	2.0	1.0	3.00	.30	700	2.0	N	N	70	700
81G10A	43 27 19	111 7 22	2.0	1.0	3.00	.50	700	N	N	N	100	700
81G11	43 26 8	111 8 40	2.0	1.0	3.00	.50	700	.5	N	N	70	500

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL308S	1.0	N	N	10	70	30	30	N	N	20	30
PAL309S	1.5	N	N	10	70	20	30	N	N	20	50
PAL311S	1.0	N	N	10	150	30	50	N	N	30	30
PAL313S	1.0	N	N	7	150	15	30	N	N	30	30
PAL316S	1.0	N	N	10	100	20	30	5	N	20	50
PAL318S	1.0	N	N	10	100	20	30	<5	N	30	50
PAL335S	<1.0	N	N	7	70	15	20	N	N	20	50
PAL403S	1.5	N	N	10	100	30	50	N	N	50	50
PAL408S	1.5	N	N	10	100	30	30	N	N	30	70
PAL413S	1.5	N	N	10	100	30	30	N	<20	20	70
PAL421S	2.0	N	N	15	100	30	50	N	<20	30	70
PAL422S	1.0	N	N	10	100	70	50	N	N	20	70
PAL424S	3.0	N	N	10	100	30	50	N	20	30	70
PAL425S	2.0	N	N	30	150	30	70	N	N	70	50
PAL427S	1.0	N	N	5	70	15	20	N	N	10	30
PAL428S	1.5	N	N	10	100	20	30	N	<20	20	70
PAL429S	1.5	N	N	5	70	15	30	N	<20	10	30
PAL430S	1.5	N	N	10	100	20	30	N	<20	30	70
PAL432S	2.0	N	N	10	100	30	50	N	20	30	70
PAL434S	1.0	N	N	7	100	15	30	N	<20	15	30
PAL436S	1.5	N	N	5	50	15	30	N	N	7	30
PAL437S	1.5	N	N	10	100	30	50	N	20	30	50
PAL439S	1.0	N	N	7	70	15	30	N	N	15	30
PAL441S	1.0	N	N	5	100	15	30	N	<20	15	30
PAL443S	2.0	N	N	7	70	15	30	N	<20	20	50
PAL445S	2.0	N	N	7	70	20	30	N	<20	20	50
PAL447S	1.5	N	N	7	70	15	30	N	<20	30	50
PAL449S	1.5	N	N	10	100	20	30	N	<20	30	50
PAL451S	2.0	N	N	10	100	20	30	N	20	30	50
PAL453S	1.5	N	N	10	150	20	30	N	<20	20	30
PAL455S	1.5	N	N	10	50	20	30	N	<20	20	30
PAL457S	2.0	N	N	10	70	20	30	N	<20	30	30
PAL459S	1.5	N	N	10	100	20	30	N	<20	20	30
PAL481S	1.5	N	N	10	100	20	30	N	<20	20	30
PAL483S	2.0	N	N	10	70	20	30	N	<20	30	50
PAL485S	1.5	N	N	7	100	20	30	N	<20	20	30
PAL487S	1.5	N	N	7	100	20	30	N	<20	30	70
PAL489S	2.0	N	N	7	100	20	30	N	<20	20	30
PAL491S	1.5	N	N	7	100	20	30	N	<20	20	30
PAL493S	2.0	N	N	10	150	30	30	7	<20	50	70
81G8	2.0	N	N	7	70	20	30	N	<20	20	70
81G9	<1.0	N	N	7	200	20	30	10	<20	70	50
81G10	1.5	N	N	7	200	20	30	15	<20	70	50
81G10A	1.5	N	N	7	100	20	50	<5	<20	30	50
81G11	2.0	N	N	7	70	20	30	N	<20	30	50

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL308S	N	10	N	150	70	N	70	N	500	N
PAL309S	N	10	N	200	100	N	30	N	150	N
PAL311S	N	15	N	100	100	N	50	N	300	N
PAL313S	N	7	N	N	100	N	50	N	300	N
PAL316S	N	7	N	N	70	N	30	N	300	N
PAL318S	N	10	N	<100	100	N	30	N	300	N
PAL335S	N	5	N	150	50	N	30	N	100	N
PAL403S	N	15	N	200	150	N	50	N	300	N
PAL408S	N	10	N	150	150	N	30	N	500	N
PAL413S	N	10	N	200	100	N	20	N	200	N
PAL421S	N	10	N	100	100	N	30	N	150	N
PAL422S	N	10	N	100	150	N	50	N	300	N
PAL424S	N	15	N	150	150	N	50	N	300	N
PAL425S	N	20	N	N	150	N	70	N	200	N
PAL427S	N	5	N	100	50	N	20	N	200	N
PAL428S	N	7	N	150	100	N	20	N	300	N
PAL429S	N	5	N	100	70	N	20	N	300	N
PAL430S	N	10	N	150	100	N	50	N	200	N
PAL432S	N	10	N	150	100	N	50	N	300	N
PAL434S	N	<5	N	150	70	N	20	N	300	N
PAL436S	N	<5	N	150	70	N	20	N	300	N
PAL437S	N	10	N	150	150	N	50	N	300	N
PAL439S	N	5	N	100	70	N	20	N	200	N
PAL441S	N	5	N	100	70	N	20	N	300	N
PAL443S	N	5	N	150	100	N	20	N	300	N
PAL445S	N	7	N	150	100	N	30	N	300	N
PAL447S	N	5	N	150	100	N	20	200	200	N
PAL449S	N	7	N	<100	100	N	50	N	300	N
PAL451S	N	10	N	150	150	N	50	N	300	N
PAL453S	N	7	N	150	150	N	30	N	700	N
PAL455S	N	7	N	150	150	N	30	N	200	N
PAL457S	N	7	N	150	150	N	30	N	300	N
PAL459S	N	7	N	150	150	N	30	N	500	N
PAL481S	N	5	N	150	100	N	30	N	150	N
PAL483S	N	10	N	150	150	N	30	N	300	N
PAL485S	N	7	N	100	100	N	30	N	300	N
PAL487S	N	7	N	<100	100	N	30	N	300	N
PAL489S	N	7	N	150	100	N	30	N	300	N
PAL491S	N	7	N	150	100	N	20	N	300	N
PAL493S	N	10	N	150	150	N	70	N	300	N
81G8	N	7	N	150	100	N	30	N	300	N
81G9	N	7	N	150	200	N	70	300	300	N
81G10	N	7	N	150	200	N	50	N	300	N
81G10A	N	7	N	200	150	N	50	N	300	N
81G11	N	7	N	150	150	N	30	N	300	N

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
81G12	43 25 21	111 9 35	2.0	2.0	10.00	.30	3,000	N	N	N	100	500
81G13	43 24 27	111 10 56	2.0	5.0	15.00	.30	700	N	N	N	100	500
81M9	43 32 5	111 9 50	3.0	.7	.70	.30	500	<.5	N	N	70	1,000
81M10	43 32 0	111 9 50	1.5	.7	.50	.30	700	<.5	N	N	70	700
81M11	43 32 0	111 10 25	2.0	.7	.50	.30	500	N	N	N	70	1,000
81M12	43 31 35	111 11 15	2.0	.5	.50	.30	700	N	N	N	70	1,000
81M13	43 30 55	111 11 30	1.5	.7	1.50	.30	700	<.5	N	N	100	700
81M14	43 30 35	111 12 5	1.5	.5	1.00	.30	700	<.5	N	N	70	700
8102	43 25 39	111 0 16	2.0	.7	1.00	.50	700	N	N	N	100	700
8103	43 25 28	110 59 59	2.0	.5	.50	.30	700	N	N	N	70	1,000
8104	43 25 26	111 0 4	3.0	.7	1.50	.30	700	N	N	N	70	1,000
81D4	43 24 55	111 0 55	3.0	1.5	.70	.50	500	N	N	N	300	500
81D5	43 24 32	111 0 57	2.0	1.0	1.50	.50	1,000	N	N	N	100	700
81D6	43 24 18	111 1 35	1.0	1.0	3.00	.30	700	N	N	N	100	700
81D7	43 24 18	111 1 40	2.0	1.5	7.00	.30	1,000	N	N	N	100	300
81D8	43 24 37	111 1 48	3.0	2.0	7.00	.30	1,500	N	N	N	150	300
81D9	43 24 6	111 1 40	2.0	1.0	3.00	.30	1,000	N	N	N	100	500
81D10	43 23 50	111 1 45	.3	2.0	7.00	.07	100	<.5	N	N	15	150
81D11	43 23 25	111 1 45	1.5	1.0	3.00	.30	700	N	N	N	70	500
81D12	43 23 20	111 1 45	2.0	2.0	3.00	.50	1,000	N	N	N	100	500
81D13	43 23 18	111 1 51	.7	1.5	3.00	.15	300	<.5	N	N	70	150
81D14	43 23 12	111 1 52	2.0	1.5	3.00	.50	1,000	N	N	N	100	700
81D15	43 22 41	111 3 2	1.0	2.0	7.00	.20	300	N	N	N	70	200

Table 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
81G12	2.0	N	N	7	100	20	30	N	<20	30	50
81G13	2.0	N	N	7	100	20	30	N	<20	30	50
81M9	3.0	N	N	7	100	15	50	N	<20	20	70
81M10	3.0	N	N	7	50	15	30	N	<20	15	50
81M11	2.0	N	N	7	100	20	30	N	<20	20	50
81M12	2.0	N	N	7	70	20	50	N	<20	15	50
81M13	2.0	N	N	7	70	20	50	N	<20	15	50
81M14	2.0	N	N	7	70	20	30	N	<20	15	50
8102	2.0	N	N	10	70	20	30	N	<20	20	50
8103	2.0	N	N	7	70	20	30	<5	<20	20	50
8104	2.0	N	N	10	100	20	30	N	<20	30	50
81D4	2.0	N	N	10	100	20	30	N	<20	30	30
81D5	1.5	N	N	10	70	20	30	N	<20	20	50
81D6	1.5	N	N	5	50	20	30	N	N	15	50
81D7	1.0	N	N	7	150	20	30	7	<20	50	50
81D8	1.5	N	N	10	150	20	30	10	<20	50	50
81D9	1.5	N	N	7	70	20	30	N	N	30	50
81D10	N	N	N	<5	100	10	20	<5	N	15	30
81D11	1.5	N	N	7	100	20	30	<5	N	15	30
81D12	1.5	N	N	7	70	20	30	N	<20	30	30
81D13	1.0	N	N	5	70	15	20	N	N	15	30
81D14	1.5	N	N	10	100	20	30	N	<20	30	30
81D15	1.5	N	N	7	70	15	20	N	N	15	30

ble 3.-- Analytical data for stream sediments from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
81G12	N	7	N	150	150	N	50	N	300	N
81G13	N	7	N	150	100	N	30	N	300	N
81M9	N	7	N	150	100	N	30	N	200	N
81M10	N	5	N	150	100	N	30	N	300	N
81M11	N	7	N	150	150	N	30	N	500	N
81M12	N	5	N	150	150	N	30	N	300	N
81M13	N	7	N	150	100	N	30	N	300	N
81M14	N	7	N	150	100	N	30	N	300	N
8102	N	7	N	150	150	N	30	N	300	N
8103	N	5	N	150	100	N	30	N	300	N
8104	N	10	N	150	150	N	30	N	200	N
81D4	N	10	N	100	100	N	30	N	300	N
81D5	N	5	N	100	100	N	30	N	700	N
81D6	N	5	N	100	100	N	30	N	300	N
81D7	N	7	N	150	150	N	50	N	300	N
81D8	N	7	N	150	150	N	50	N	300	N
81D9	N	5	N	150	100	N	30	N	300	N
81D10	N	N	N	N	50	N	20	N	150	N
81D11	N	7	N	150	100	N	30	N	300	N
81D12	N	10	N	100	100	N	30	N	300	N
81D13	N	<5	N	N	50	N	15	N	200	N
81D14	N	7	N	150	150	N	30	N	300	N
81D15	N	5	N	100	50	N	20	N	200	N

Table 4.-- Analytical data for panned concentrates from the West and East Palisades Roadless Areas, Idaho-Wyoming

[The following qualifiers are used in reporting spectographic data: --, no determination made; N, concentration less than the detection limit; <, detected--but present at a concentration less than the value reported; >, element present at a concentration greater than the upper detection limit.]

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
PAL17P	43 28 50	111 6 13	3.0	1.00	.7	.30	700	N	N	N	70	1,500
PAL19P	43 28 48	111 6 16	3.0	.70	.5	.30	500	N	N	N	70	500
PAL36P	43 19 24	110 58 54	.7	5.00	20.0	.07	150	N	N	N	20	<50
PAL41P	43 20 17	110 58 55	1.0	.70	3.0	.07	70	N	N	N	<20	50
PAL43P	43 20 19	110 58 50	1.0	2.00	5.0	.07	200	N	N	N	<20	70
PAL49P	43 22 34	110 59 22	5.0	.50	3.0	.50	500	N	N	N	20	>10,000
PAL51P	43 22 26	110 59 22	1.0	1.50	7.0	.07	700	N	N	N	70	300
PAL58P	43 19 32	110 56 16	1.5	1.00	2.0	.20	150	N	N	N	70	70
PAL63P	43 20 48	110 53 45	3.0	1.00	5.0	.70	500	N	N	N	150	2,000
PAL77P	43 16 43	110 54 24	10.0	.50	1.5	.20	300	N	N	N	30	200
PAL79P	43 17 10	110 53 15	7.0	1.00	7.0	.20	700	N	N	N	30	500
PAL92P	43 16 5	110 55 50	7.0	1.00	3.0	.50	1,000	N	N	N	150	300
PAL102P	43 18 7	110 55 37	3.0	1.50	10.0	.20	300	N	N	N	150	100
PAL108P	43 18 43	110 54 33	7.0	.70	7.0	.15	700	N	N	N	<20	3,000
PAL109P	43 18 47	110 54 39	3.0	1.00	10.0	.15	500	N	N	N	20	2,000
PAL113P	43 19 17	110 53 27	2.0	1.00	7.0	.30	500	N	N	N	20	1,500
PAL126P	43 29 36	111 10 19	3.0	.50	1.0	.30	700	N	N	N	50	2,000
PAL128P	43 29 23	111 12 26	5.0	.70	1.5	.70	700	N	N	N	50	1,000
PAL139P	43 24 40	111 1 51	7.0	1.50	10.0	.15	700	N	N	N	100	300
PAL140P	43 24 22	111 1 30	10.0	.70	3.0	.30	2,000	N	N	N	150	1,500
PAL146P	43 23 19	111 1 53	1.5	1.00	3.0	.10	150	N	N	N	20	50
PAL151P	43 27 28	111 3 50	7.0	1.00	15.0	.10	700	N	N	N	20	150
PAL153P	43 27 28	111 3 46	3.0	.30	1.0	.20	500	N	N	N	30	5,000
PAL157P	43 28 53	111 5 10	3.0	.50	1.5	.30	500	<1	N	N	50	1,500
PAL159P	43 28 29	111 5 10	5.0	.70	2.0	1.00	700	N	N	N	100	10,000
PAL165P	43 12 54	110 52 51	5.0	1.50	7.0	.20	1,500	N	N	N	70	300
PAL167P	43 13 18	110 52 26	5.0	2.00	10.0	.20	1,500	N	N	N	100	150
PAL169P	43 12 7	110 53 3	3.0	2.00	10.0	.20	1,000	N	N	N	50	100
PAL171P	43 11 47	110 55 40	2.0	2.00	7.0	.15	1,000	<1	N	N	100	150
PAL173P	43 11 35	110 56 48	2.0	2.00	7.0	.10	1,000	N	N	N	<20	70
PAL177P	43 15 42	110 52 55	15.0	.70	10.0	.20	700	N	N	N	N	300
PAL182P	43 15 22	110 48 30	3.0	.15	1.0	1.50	1,000	N	N	N	100	1,000
PAL183P	43 15 18	110 48 23	3.0	.30	1.5	1.50	700	N	N	N	30	3,000
PAL192P	43 15 57	111 2 40	1.0	2.00	10.0	.07	500	N	N	N	50	70
PAL194P	43 14 36	111 2 20	2.0	2.00	7.0	.15	700	N	N	N	70	150
PAL197P	43 19 32	111 6 32	5.0	1.50	3.0	1.00	300	N	N	N	100	1,000
PAL201P	43 33 38	111 7 7	7.0	1.00	1.5	.30	700	N	N	N	100	300
PAL204P	43 34 3	111 10 39	2.0	.50	.5	.20	300	N	N	N	50	500
PAL206P	43 34 12	111 11 38	2.0	.50	.7	.30	300	N	N	N	50	500
PAL208P	43 33 12	111 14 36	1.5	.30	.7	.20	300	N	N	N	30	500
PAL426P	43 15 32	111 4 51	1.5	3.00	20.0	.20	1,000	N	N	N	30	150
PAL431P	43 19 31	111 7 11	3.0	5.00	10.0	.20	700	N	N	N	150	200
PAL435P	43 27 35	111 15 50	2.0	1.00	7.0	.70	700	N	N	N	20	700
PAL440P	43 18 2	110 58 55	7.0	.70	7.0	.20	1,000	N	N	N	200	300
PAL442P	43 24 54	110 52 40	2.0	.50	1.0	.70	1,000	N	N	N	70	1,000

Table 4.-- Analytical data for panned concentrates from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL17P	3	N	N	15	100	50	50	N	N	50	70	N
PAL19P	2	N	N	10	50	10	70	N	N	20	50	N
PAL36P	N	N	N	<10	30	<10	<50	N	N	10	50	N
PAL41P	N	N	N	N	70	<10	<50	N	N	<10	20	N
PAL43P	<2	N	N	N	70	<10	50	N	N	10	30	N
PAL49P	2	N	N	<10	50	50	500	N	N	10	70	N
PAL51P	<2	N	N	N	70	10	50	N	N	15	20	N
PAL58P	<2	N	N	N	50	10	<50	N	N	<10	20	N
PAL63P	N	N	N	N	70	10	200	N	<50	<10	20	N
PAL77P	<2	N	N	20	300	150	50	N	N	100	100	N
PAL79P	2	N	N	15	50	70	70	N	N	50	70	N
PAL92P	2	N	N	15	70	20	50	N	<50	15	50	N
PAL102P	2	N	N	15	70	30	<50	N	N	20	30	N
PAL108P	2	N	N	15	20	70	<50	N	N	70	70	N
PAL109P	2	N	N	10	70	30	50	N	N	20	50	N
PAL113P	2	N	N	10	30	<10	100	N	N	15	20	N
PAL126P	2	N	N	10	70	15	70	N	<50	15	30	N
PAL128P	3	N	N	10	100	10	200	N	N	10	20	N
PAL139P	2	N	N	10	70	50	50	10	N	50	150	N
PAL140P	2	N	N	15	100	50	150	N	N	70	50	N
PAL146P	<2	N	N	10	50	<10	<50	N	N	20	20	N
PAL151P	3	N	N	10	50	100	70	10	N	70	100	N
PAL153P	2	N	N	<10	50	20	50	N	N	15	30	N
PAL157P	2	N	N	10	70	30	70	N	N	30	50	N
PAL159P	N	N	N	10	200	30	150	N	<50	20	50	N
PAL165P	2	N	N	10	100	50	<50	N	N	20	50	N
PAL167P	N	N	N	10	100	30	50	N	N	30	50	N
PAL169P	<2	N	N	10	50	20	50	N	N	15	20	N
PAL171P	<2	N	N	<10	50	20	70	N	N	10	20	N
PAL173P	<2	N	N	<10	50	15	50	N	N	10	50	N
PAL177P	<2	N	N	20	70	150	<50	N	N	70	150	N
PAL182P	N	N	N	10	100	<10	1,000	N	50	10	30	N
PAL183P	N	N	N	<10	70	<10	1,000	N	<50	10	20	N
PAL192P	<2	N	N	N	70	<10	50	N	N	<10	<20	N
PAL194P	<2	N	N	N	100	<10	50	N	N	10	20	N
PAL197P	N	N	N	<10	200	15	150	N	<50	<10	30	N
PAL201P	<2	N	N	15	100	50	<50	<10	N	50	300	N
PAL204P	2	N	N	<10	100	<10	70	N	<50	20	70	N
PAL206P	3	N	N	<10	30	<10	100	N	<50	20	70	N
PAL208P	2	N	N	<10	50	<10	70	N	N	15	50	N
PAL426P	<2	N	N	10	100	20	50	N	N	30	50	N
PAL431P	2	N	N	15	100	30	50	N	N	70	50	N
PAL435P	<2	N	N	--	100	20	500	N	<50	10	50	N
PAL440P	<2	N	N	10	300	50	<50	<10	N	10	70	N
PAL442P	2	N	N	10	100	<10	150	N	N	20	50	N

Table 4.-- Analytical data for panned concentrates from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa
PAL17P	10	N	N	150	N	30	N	500	N	N
PAL19P	<10	N	N	100	N	30	N	700	N	N
PAL36P	N	N	<200	20	N	<20	N	500	N	N
PAL41P	<10	N	N	20	N	<20	N	2,000	N	N
PAL43P	N	N	N	30	N	30	N	700	N	N
PAL49P	<10	N	500	100	N	70	N	>2,000	N	N
PAL51P	N	N	<200	70	N	50	N	1,000	N	N
PAL58P	<10	N	N	70	N	50	N	>2,000	N	N
PAL63P	<10	N	<200	100	N	70	N	>2,000	N	N
PAL77P	10	N	N	50	N	30	N	>2,000	N	N
PAL79P	<10	N	200	70	N	30	N	1,000	N	N
PAL92P	10	N	N	150	N	50	N	>2,000	N	N
PAL102P	<10	N	N	50	N	30	N	2,000	N	N
PAL108P	N	N	N	50	N	<20	N	100	N	N
PAL109P	<10	N	<200	50	N	30	N	700	N	N
PAL113P	<10	N	<200	50	N	20	N	700	N	N
PAL126P	<10	N	<200	100	N	50	N	1,500	N	N
PAL128P	<10	N	<200	100	N	70	N	>2,000	N	N
PAL139P	<10	N	<200	150	N	70	N	>2,000	N	N
PAL140P	10	N	<200	100	N	70	N	>2,000	N	N
PAL146P	N	N	N	30	N	30	N	700	N	N
PAL151P	<10	N	200	70	N	100	N	700	N	N
PAL153P	<10	N	N	70	N	20	N	1,000	N	N
PAL157P	<10	N	N	70	N	70	N	2,000	N	N
PAL159P	10	N	<200	150	N	100	N	>2,000	N	N
PAL165P	<10	N	N	100	N	50	N	2,000	N	N
PAL167P	<10	N	N	100	N	50	N	>2,000	N	N
PAL169P	<10	N	N	70	N	30	N	1,000	N	N
PAL171P	<10	N	N	70	N	50	N	2,000	N	N
PAL173P	N	N	N	30	N	50	N	700	N	N
PAL177P	<10	N	<200	100	N	20	N	1,000	N	N
PAL182P	N	N	N	150	N	100	N	>2,000	N	N
PAL183P	N	N	<200	100	N	100	N	>2,000	N	N
PAL192P	N	N	N	30	N	50	N	1,000	N	N
PAL194P	<10	N	N	50	N	50	N	2,000	N	N
PAL197P	10	N	<200	150	N	150	N	>2,000	N	N
PAL201P	<10	N	N	200	N	150	N	>2,000	N	N
PAL204P	<10	N	N	100	N	30	N	500	N	N
PAL206P	<10	N	N	150	N	30	N	1,500	N	N
PAL208P	<10	N	<200	70	N	<20	N	700	N	N
PAL426P	<10	N	200	100	N	50	N	200	N	N
PAL431P	<10	N	N	70	N	30	N	200	N	N
PAL435P	<10	N	200	150	N	100	N	>2,000	N	N
PAL440P	10	N	N	200	N	20	N	1,000	N	N
PAL442P	10	N	<200	150	N	50	N	300	N	N

Table 4.-- Analytical data for panned concentrates from the West and East Palisades Roadless Areas, Idaho-Wyoming---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
PAL444P	43 25 42	110 52 43	1.5	.70	7.0	.50	1,000	N	N	N	70	700
PAL448P	43 29 57	110 58 45	2.0	3.00	5.0	.30	700	N	N	N	150	300
PAL450P	43 28 13	111 0 46	7.0	1.00	5.0	.50	1,000	N	N	N	150	5,000
PAL452P	43 28 14	111 0 49	5.0	.70	1.0	.30	1,000	N	N	N	100	5,000
PAL456P	43 27 22	110 58 31	7.0	2.00	1.0	.70	1,500	N	N	N	150	5,000
PAL480P	43 27 44	111 12 32	1.5	2.00	50.0	.20	700	N	N	N	70	200
PAL482P	43 26 37	110 57 16	7.0	.50	.7	.50	1,500	N	N	N	70	10,000
PAL484P	43 24 42	111 8 22	1.5	1.50	7.0	.10	200	N	N	N	20	50
PAL486P	43 23 43	111 7 45	1.5	.70	2.0	.15	500	N	N	N	50	70
PAL488P	43 28 37	111 17 57	7.0	5.00	15.0	.50	1,500	N	N	N	150	500
PAL310P	43 15 31	110 52 58	7.0	1.50	5.0	.70	3,000	N	N	N	150	700
PAL312P	43 15 34	110 52 53	15.0	1.50	20.0	.30	1,500	1	N	N	200	5,000
PAL334P	43 21 52	111 4 27	1.0	7.00	50.0	.07	500	N	N	N	N	300
PAL433P	43 20 48	111 11 48	1.5	1.50	7.0	.30	700	N	N	N	100	700
PAL438P	43 28 52	111 13 11	.7	3.00	50.0	.07	500	N	N	N	50	100
PAL446P	43 28 38	110 55 21	2.0	.70	3.0	.30	1,000	N	N	N	150	300
PAL454P	43 28 40	111 1 42	3.0	1.00	.7	.50	2,000	N	N	N	200	700
PAL458P	43 27 30	110 58 30	5.0	2.00	5.0	.70	1,500	N	N	N	300	700
PAL490P	43 25 53	111 14 49	1.5	3.00	50.0	.15	700	N	N	N	70	150
PAL492P	43 29 58	111 0 15	5.0	1.00	30.0	.30	1,000	3	N	N	150	700

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
PAL444P	<2	N	N	10	150	<10	70	N	N	20	30	N
PAL448P	2	N	N	10	70	20	50	N	N	30	3,000	N
PAL450P	2	N	N	15	100	50	50	N	N	50	100	N
PAL452P	2	N	N	10	70	30	70	N	<50	20	70	N
PAL456P	3	N	N	15	100	50	70	<10	<50	50	70	N
PAL480P	<2	N	N	10	70	<10	50	N	N	10	30	N
PAL482P	2	N	N	15	100	50	50	N	N	30	50	N
PAL484P	<2	N	N	<10	50	<10	50	N	N	20	70	N
PAL486P	<2	N	N	<10	100	<10	50	N	N	20	50	N
PAL488P	3	N	N	15	150	50	70	N	N	50	100	N
PAL310P	2	N	N	15	100	50	50	N	<50	50	70	N
PAL312P	3	N	N	20	100	150	<50	N	<50	70	150	N
PAL334P	<2	N	N	10	150	30	50	N	N	20	50	N
PAL433P	<2	N	N	10	150	20	50	N	<50	20	50	N
PAL438P	N	N	N	N	70	20	50	N	N	20	100	N
PAL446P	3	N	N	<10	150	30	50	N	N	30	50	N
PAL454P	3	N	N	15	100	30	50	N	<50	20	70	N
PAL458P	5	N	N	15	150	50	50	N	<50	70	70	N
PAL490P	<2	N	N	N	70	15	50	N	N	20	30	N
PAL492P	3	N	N	10	200	50	150	15	N	70	70	N

Table 4.-- Analytical data for panned concentrates from the West and East Palisades Roadless Areas, Idaho-Wyoming---continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa
PAL444P	10	N	<200	70	N	30	N	500	N	N
PAL448P	10	N	N	70	N	30	N	200	N	N
PAL450P	10	N	N	200	N	150	N	500	N	N
PAL452P	<10	N	<200	150	N	200	N	150	N	N
PAL456P	10	N	200	300	N	70	N	500	N	N
PAL480P	<10	N	500	70	N	20	N	70	N	N
PAL482P	<10	N	<200	200	N	50	N	200	N	N
PAL484P	<10	N	N	50	N	<20	N	50	N	N
PAL486P	<10	N	N	70	N	20	N	700	N	N
PAL488P	10	N	N	100	N	20	N	100	N	N
PAL310P	10	N	200	200	N	50	N	700	N	N
PAL312P	10	N	300	200	N	30	N	200	N	N
PAL334P	<10	N	N	70	N	<20	N	50	N	N
PAL433P	<10	N	N	70	N	30	N	100	N	N
PAL438P	N	N	N	50	N	20	N	50	N	N
PAL446P	<10	N	N	100	N	30	N	100	N	N
PAL454P	10	N	N	100	N	30	N	300	N	N
PAL458P	10	N	<200	150	N	50	N	300	N	N
PAL490P	<10	N	500	70	N	20	N	70	N	N
PAL492P	<10	N	700	200	N	200	N	100	N	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

[The following qualifiers are used in reporting spectographic data: --, no determination made; N, concentration less than the detection limit; <, detected--but present at a concentration less than the value reported; >, element present at a concentration greater than the upper detection limit.]

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
PAL1R	43 16 2	110 55 11	1.50	.70	2.00	.070	200	N	N	N	N
PAL2R	43 16 4	110 55 10	1.50	3.00	10.00	.200	700	N	N	N	<10
PAL3R	43 16 6	110 55 9	5.00	3.00	5.00	.500	1,000	N	N	N	N
PAL4R	43 16 7	110 55 8	.30	1.00	.70	.100	200	N	N	N	N
PAL22R	43 16 10	110 55 4	.70	.20	.10	.070	70	N	N	N	N
PAL24R	43 16 7	110 55 1	5.00	2.00	5.00	.300	700	N	N	N	<10
PAL25R	43 16 7	110 55 1	1.50	3.00	3.00	.070	1,000	N	N	N	10
PAL26	43 16 8	110 54 57	3.00	1.50	3.00	.200	700	<.5	N	N	N
PAL27R	43 16 7	110 54 54	3.00	1.00	5.00	.200	700	N	N	N	N
PAL28R	43 16 10	110 54 51	5.00	1.50	5.00	.200	500	1.0	N	N	N
PAL29R	43 16 11	110 54 44	3.00	2.00	5.00	.200	1,000	N	N	N	N
PAL30R	43 16 11	110 54 44	.05	7.00	20.00	.005	200	N	N	N	N
PAL31R	43 16 19	110 54 32	5.00	7.00	20.00	.500	1,500	N	N	N	20
PAL33R	43 17 22	110 53 46	7.00	1.00	2.00	.300	5,000	N	N	N	70
PAL34R	43 17 22	110 53 46	5.00	1.00	5.00	.200	1,000	N	N	N	N
PAL35R	43 18 29	110 57 6	.70	.20	.30	.070	150	.7	N	N	50
PAL54R	43 18 30	110 57 7	5.00	1.50	>20.00	.070	500	N	N	N	N
PAL116R	43 31 40	111 6 35	1.00	.02	.20	.150	70	<.5	N	N	20
PAL117R	43 31 48	111 7 0	1.00	2.00	>20.00	.070	3,000	N	N	N	N
PAL120R	43 31 14	111 7 2	2.00	.70	1.00	.200	500	N	N	N	10
PAL121R	43 30 46	111 7 14	.70	.10	.70	.070	100	<.5	N	N	70
PAL122R	43 30 51	111 7 46	1.50	.07	.20	.050	150	.5	N	N	70
PAL130R	43 25 8	111 3 40	.10	.03	.07	.020	30	N	N	N	50
PAL131R	43 25 8	111 3 35	.10	.03	<.05	.030	30	N	N	N	<10
PAL179R	43 16 17	110 51 32	3.00	1.50	2.00	.500	>5,000	N	N	N	100
PAL191R	43 14 41	110 58 59	.05	.20	>20.00	.010	50	2.0	N	N	10
PAL32R	43 17 20	110 53 49	3.00	1.50	.70	.300	1,000	.7	N	N	150
PF6A	43 15 56	111 3 7	.30	1.00	>20.00	.030	150	N	N	N	10
PF6B	43 15 56	111 3 7	.15	.70	20.00	.007	100	N	N	N	<10
PF11A	43 29 8	111 12 41	.10	2.00	>20.00	.015	50	N	N	N	N
PF11B	43 29 8	111 12 41	.07	.20	20.00	.020	30	N	N	N	<10
PF11C	43 29 8	111 12 41	.07	2.00	>20.00	.005	70	N	N	N	N
PF21	43 19 39	111 0 3	1.00	5.00	20.00	.200	300	N	N	N	70
PF22	43 19 54	111 0 14	5.00	3.00	1.50	1.000	200	N	N	N	200
PF63A	43 31 29	111 14 55	1.00	1.50	>20.00	.100	300	N	N	N	30
PF63B	43 31 29	111 14 55	1.00	1.50	>20.00	.150	500	N	N	N	30
PF64	43 33 40	111 16 30	1.00	.70	20.00	.200	70	20.0	N	N	100
PAL67R	43 16 21	110 54 45	3.00	2.00	7.00	.300	700	N	N	N	N
PAL70R	43 16 30	110 54 43	5.00	7.00	10.00	.200	1,500	N	N	N	N
PAL301R	43 16 11	110 55 8	.30	.15	.07	.070	150	N	N	N	N
PAL302R	43 16 11	110 55 8	3.00	2.00	5.00	.300	700	N	N	N	N
PAL303R	43 16 14	110 55 3	3.00	1.00	5.00	.300	300	N	N	N	N
PAL304R	43 16 0	110 55 12	5.00	2.00	7.00	.500	1,000	N	N	N	10
PAL305R	43 15 58	110 55 12	5.00	1.00	.70	.700	300	N	N	N	200
PAL314R	43 28 11	111 8 38	.20	10.00	20.00	.030	300	N	N	N	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Ba-ppm s	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
PAL1R	200	1.0	N	N	7	<10	30	20	N	N	<5
PAL2R	300	1.0	N	N	7	70	<5	30	N	N	15
PAL3R	300	2.0	N	N	15	15	50	50	N	N	15
PAL4R	300	<1.0	N	N	5	15	<5	<20	N	N	5
PAL22R	500	<1.0	N	N	5	10	<5	<20	N	N	5
PAL24R	500	1.5	<10	N	20	30	20	30	5	N	15
PAL25R	300	<1.0	N	N	5	50	<5	<20	N	N	7
PAL26	500	2.0	N	N	15	30	50	50	N	N	15
PAL27R	500	1.5	N	N	7	<10	70	50	N	N	5
PAL28R	500	2.0	N	N	10	10	150	30	10	N	7
PAL29R	500	2.0	N	N	10	<10	50	30	N	N	5
PAL30R	<20	N	N	N	N	N	<5	N	N	N	N
PAL31R	20	1.5	N	N	7	100	5	30	7	N	30
PAL33R	500	1.5	N	N	7	30	20	30	N	<20	15
PAL34R	700	1.5	N	N	10	15	20	50	N	N	7
PAL35R	700	1.0	N	N	5	50	7	20	N	N	7
PAL54R	2,000	N	N	N	10	15	30	<20	10	N	30
PAL116R	50	<1.0	N	N	<5	10	<5	<20	N	N	5
PAL117R	1,000	<1.0	N	N	5	10	5	<20	N	N	10
PAL120R	500	1.5	N	N	5	15	5	30	N	<20	10
PAL121R	700	1.0	N	N	5	70	7	30	N	N	5
PAL122R	1,000	1.5	N	N	<5	50	10	20	N	N	10
PAL130R	150	N	N	N	<5	10	<5	<20	N	N	7
PAL131R	30	N	N	N	<5	15	<5	<20	N	N	5
PAL179R	300	1.5	N	N	10	100	20	50	7	N	30
PAL191R	50	<1.0	N	500	N	500	20	1,000	10	N	50
PAL32R	1,500	2.0	N	N	10	100	50	50	N	<20	50
PF6A	20	N	N	N	N	30	<5	20	N	N	N
PF6B	<20	N	N	N	N	15	N	20	N	N	N
PF11A	<20	N	N	N	N	20	<5	<20	N	N	N
PF11B	<20	N	N	N	<5	15	N	<20	N	N	N
PF11C	N	N	N	N	N	10	N	<20	N	N	N
PF21	150	<1.0	N	N	5	50	<5	20	N	N	10
PF22	300	1.5	N	N	7	100	5	50	N	<20	50
PF63A	30	N	N	N	N	50	5	20	N	N	<5
PF63B	30	<1.0	N	N	N	70	5	20	N	N	<5
PF64	200	1.5	N	500	N	300	150	700	100	N	150
PAL67R	500	1.0	N	N	10	50	100	50	N	N	15
PAL70R	150	1.0	N	N	15	70	30	<20	N	N	15
PAL301R	500	<1.0	N	N	<5	20	10	20	N	N	7
PAL302R	700	1.5	N	N	20	20	100	30	N	N	15
PAL303R	1,000	1.0	N	N	10	30	100	50	N	N	10
PAL304R	2,000	<1.0	N	N	10	200	30	50	N	<20	50
PAL305R	500	3.0	N	N	10	100	20	70	N	<20	50
PAL314R	<20	N	N	N	N	50	<5	<20	N	N	<5

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Pb-ppm	Sb-ppm	Sc-ppm	Sn-ppm	Sr-ppm	V-ppm	W-ppm	Y-ppm	Zn-ppm	Zr-ppm	Th-ppm
	s	s	s	s	s	s	s	s	s	s	s
PAL1R	10	N	<5	N	500	30	N	<10	N	30	N
PAL2R	10	N	10	N	500	20	N	30	N	200	N
PAL3R	15	N	15	N	1,000	150	N	30	N	150	N
PAL4R	10	N	<5	N	<100	20	N	N	N	300	N
PAL22R	10	N	N	N	<100	15	N	N	N	150	N
PAL24R	30	N	10	N	1,000	150	N	30	N	100	N
PAL25R	10	N	<5	N	<100	20	N	N	N	100	N
PAL26	20	N	10	N	700	150	N	30	N	150	N
PAL27R	30	N	5	N	1,000	100	N	30	N	150	N
PAL28R	20	N	5	N	1,000	150	N	30	N	100	N
PAL29R	30	N	7	N	1,000	150	N	30	N	150	N
PAL30R	30	N	N	N	700	<10	N	N	N	N	N
PAL31R	<10	N	15	N	500	150	N	20	N	150	N
PAL33R	15	N	7	N	<100	100	N	70	N	300	N
PAL34R	50	N	5	N	1,500	100	N	30	N	100	N
PAL35R	20	N	<5	N	N	30	N	20	N	150	N
PAL54R	300	N	<5	N	700	20	N	10	1,500	20	N
PAL116R	10	N	N	N	N	20	N	<10	N	150	N
PAL117R	10	N	N	N	300	15	N	10	N	30	N
PAL120R	20	N	5	N	300	50	N	20	N	150	N
PAL121R	10	N	<5	N	200	50	N	30	N	150	N
PAL122R	20	N	<5	N	100	20	N	20	N	150	N
PAL130R	<10	N	N	N	N	<10	N	N	N	150	N
PAL131R	<10	N	N	N	N	<10	N	N	N	300	N
PAL179R	20	N	7	N	<100	70	N	30	N	300	N
PAL191R	15	N	N	N	1,000	200	N	1,500	700	70	N
PAL32R	70	N	10	N	100	200	N	50	N	200	N
PF6A	<10	N	N	N	700	20	N	<10	N	30	N
PF6B	N	N	N	N	300	15	N	<10	N	N	N
PF11A	N	N	N	N	300	15	N	<10	N	<10	N
PF11B	<10	N	N	N	200	15	N	<10	N	<10	N
PF11C	<10	N	N	N	300	10	N	<10	N	N	N
PF21	10	N	5	N	100	50	N	15	N	200	N
PF22	20	N	10	N	N	150	N	50	N	300	N
PF63A	10	N	5	N	500	30	N	15	N	30	N
PF63B	10	N	5	N	300	50	N	15	N	50	N
PF64	30	N	10	N	300	3,000	N	500	1,000	200	N
PAL67R	30	N	10	N	700	100	N	30	N	150	N
PAL70R	<10	N	7	N	300	100	N	20	N	100	N
PAL301R	20	N	N	N	N	15	N	N	N	150	N
PAL302R	30	N	10	N	1,500	150	N	50	N	150	N
PAL303R	30	N	7	N	1,500	150	N	50	N	150	N
PAL304R	30	N	10	N	200	100	N	70	N	150	N
PAL305R	30	N	20	N	200	150	N	70	N	200	N
PAL314R	<10	N	N	N	<100	30	N	10	N	20	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Au-ppm aa	As-ppm aa	Cu-ppm aa	Pb-ppm aa	Zn-ppm aa	Ag-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
PAL1R	--	--	--	--	--	--	--	--	--
PAL2R	--	--	--	--	--	--	--	--	--
PAL3R	--	--	--	--	--	--	--	--	--
PAL4R	--	--	--	--	--	--	--	--	--
PAL22R	--	--	--	--	--	--	--	--	--
PAL24R	--	--	--	--	--	--	--	--	--
PAL25R	--	--	--	--	--	--	--	--	--
PAL26	--	--	--	--	--	--	--	--	--
PAL27R	--	--	--	--	--	--	--	--	--
PAL28R	--	--	--	--	--	--	--	--	--
PAL29R	--	--	--	--	--	--	--	--	--
PAL30R	--	--	--	--	--	--	--	--	--
PAL31R	--	--	--	--	--	--	--	--	--
PAL33R	--	--	--	--	--	--	--	--	--
PAL34R	--	--	--	--	--	--	--	--	--
PAL35R	--	--	--	--	--	--	--	--	--
PAL54R	--	--	--	--	--	--	--	--	--
PAL116R	--	--	--	--	--	--	--	--	--
PAL117R	--	--	--	--	--	--	--	--	--
PAL120R	--	--	--	--	--	--	--	--	--
PAL121R	--	--	--	--	--	--	--	--	--
PAL122R	--	--	--	--	--	--	--	--	--
PAL130R	--	--	--	--	--	--	--	--	--
PAL131R	--	--	--	--	--	--	--	--	--
PAL179R	--	--	--	--	--	--	--	--	--
PAL191R	--	--	--	--	--	--	--	--	--
PAL32R	--	--	--	--	--	--	--	--	--
PF6A	--	--	1.0	1	2	N	N	N	1
PF6B	--	--	1.0	1	N	N	N	N	1
PF11A	--	--	1.0	1	7	N	.15	2	1
PF11B	--	--	N	1	1	N	N	3	1
PF11C	--	--	N	1	N	N	N	2	1
PF21	--	--	3.0	3	5	N	.10	N	1
PF22	--	--	4.0	5	6	N	.40	N	1
PF63A	--	--	3.0	5	25	.06	.55	2	1
PF63B	--	--	2.0	2	10	N	.40	2	1
PF64	--	--	2.4	30	>1,000	17.00	>100.00	2	36
PAL67R	--	--	70.0	9	15	.20	.30	N	1
PAL70R	--	--	10.0	2	10	.10	.65	N	1
PAL301R	--	--	--	--	--	--	--	--	--
PAL302R	--	--	--	--	--	--	--	--	--
PAL303R	--	--	--	--	--	--	--	--	--
PAL304R	--	--	--	--	--	--	--	--	--
PAL305R	--	--	--	--	--	--	--	--	--
PAL314R	--	--	--	--	--	--	--	--	--

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

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
PAL315R	43 28 15	111 8 38	.20	2.00	3.00	.150	150	N	N	N	30
PAL68R	43 16 21	110 54 45	.30	2.00	>20.00	.007	1,000	N	N	N	N
PAL401R	43 16 15	110 54 45	3.00	1.50	7.00	.300	700	N	N	N	N
PAL402R	43 16 12	110 55 5	1.00	1.50	1.50	.200	700	N	N	N	N
PAL404R	43 16 15	110 54 25	1.50	3.00	>20.00	.200	700	N	N	N	30
PAL405R	43 16 15	110 54 25	3.00	1.00	5.00	.300	1,500	N	N	N	N
PAL406R	43 16 18	110 54 24	2.00	3.00	20.00	.300	700	N	N	N	70
PAL407R	43 16 22	110 54 21	3.00	1.50	5.00	.300	1,500	N	N	N	50
PAL409R	43 16 29	110 54 24	1.50	2.00	20.00	.200	700	N	N	N	15
PAL410R	43 16 29	110 54 24	3.00	1.50	7.00	.300	1,000	1.5	N	N	15
PAL411R	43 16 32	110 54 27	3.00	1.50	10.00	.300	1,000	.7	N	N	10
PAL412R	43 16 32	110 54 30	.70	2.00	>20.00	.100	500	N	N	N	N
PAL414R	43 16 0	110 55 12	5.00	1.00	.50	.700	500	N	N	N	300
PAL415R	43 16 27	110 54 49	2.00	.50	5.00	.200	700	N	N	N	30
PAL416R	43 16 29	110 54 51	1.00	3.00	>20.00	.200	700	N	N	N	10
PAL417R	43 16 29	110 54 51	3.00	1.00	7.00	.300	1,000	N	N	N	N
PAL418R	43 16 34	110 54 48	1.50	3.00	>20.00	.200	700	N	N	N	30
PAL419R	43 16 34	110 54 48	3.00	1.50	7.00	.500	1,000	N	N	N	20
PAL420R	43 16 45	110 54 46	5.00	2.00	7.00	.500	1,000	N	N	N	N
PAL423R	43 16 38	110 54 41	5.00	5.00	2.00	.700	700	7.0	N	N	200
PAL460R	43 16 13	110 54 53	5.00	1.00	7.00	.500	700	N	N	N	N
PAL461R	43 16 13	110 54 53	.70	2.00	2.00	.200	700	N	N	N	<10
PAL462R	43 16 13	110 54 45	5.00	1.50	10.00	.500	700	N	N	N	N
PAL463R	43 16 17	110 54 37	15.00	10.00	>20.00	.010	1,000	.5	N	N	50
PAL464R	43 16 17	110 54 37	.70	7.00	>20.00	.150	700	N	N	N	50
PAL465R	43 16 18	110 54 37	1.50	7.00	>20.00	.200	700	N	N	N	100
PAL466R	43 16 18	110 54 37	5.00	3.00	10.00	.500	1,000	1.5	N	N	N
PAL467R	43 16 17	110 54 32	3.00	5.00	10.00	.500	700	N	N	N	70
PAL468R	43 16 21	110 54 31	5.00	3.00	>20.00	.300	1,500	N	N	N	N
PAL469R	43 16 21	110 54 31	3.00	3.00	10.00	.500	1,000	N	N	N	15
PAL470R	43 16 21	110 54 31	3.00	2.00	10.00	.500	1,000	N	N	N	N
PAL471R	43 16 24	110 54 33	3.00	1.50	10.00	.300	1,000	N	N	N	<10
PAL472R	43 16 26	110 54 31	2.00	.70	7.00	.300	700	N	N	N	10
PAL473R	43 22 4	111 4 27	5.00	3.00	7.00	.700	700	N	N	N	N
PAL474R	43 22 4	111 4 27	.70	1.00	>20.00	.300	300	N	N	N	70
PAL475R	43 22 7	111 4 26	.70	1.00	>20.00	.030	300	N	N	N	N
PAL476R	43 22 7	111 4 26	10.00	.30	.70	.030	200	150.0	700	15	10
PAL477R	43 22 7	111 4 26	1.50	1.00	3.00	.200	1,000	1.0	N	N	150
PAL478R	43 22 7	111 4 26	.30	.70	>20.00	.020	200	N	N	N	N
PAL69R	43 16 30	110 54 43	5.00	1.50	7.00	.300	1,000	N	N	N	N
PAL494R	43 16 29	110 54 32	3.00	.70	5.00	.200	1,000	N	N	N	10
PAL71R	43 16 34	110 54 45	3.00	1.00	7.00	.300	1,000	N	N	N	N
PAL23M	43 16 7	110 55 1	7.00	3.00	10.00	.500	1,000	N	N	N	N
PS6	43 16 29	110 52 47	.30	7.00	20.00	.300	1,000	N	N	N	100
PAL82R	43 17 15	110 52 48	.50	.20	.20	.200	150	150.0	N	N	70

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Ba-ppm s	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
PAL315R	300	N	N	N	<5	70	<5	20	N	N	7
PAL68R	20	N	N	N	N	15	20	<20	N	N	<5
PAL401R	1,000	2.0	N	N	10	30	200	50	15	<20	10
PAL402R	700	1.0	N	N	<5	50	10	20	N	N	10
PAL404R	150	<1.0	N	N	7	100	20	20	N	N	15
PAL405R	1,000	2.0	N	N	10	15	30	50	N	N	10
PAL406R	150	<1.0	N	N	7	70	20	20	N	N	15
PAL407R	700	2.0	N	N	7	15	10	50	N	N	10
PAL409R	150	<1.0	N	N	7	70	20	20	<5	N	15
PAL410R	500	1.5	N	N	10	20	30	30	N	N	10
PAL411R	500	2.0	N	N	10	30	20	50	<5	<20	15
PAL412R	70	<1.0	N	N	<5	30	20	<20	N	N	<5
PAL414R	1,000	2.0	N	N	20	100	20	50	N	<20	50
PAL415R	1,000	2.0	N	N	5	15	20	30	N	N	5
PAL416R	150	<1.0	N	N	5	70	20	20	N	N	10
PAL417R	1,000	2.0	N	N	10	30	20	70	N	N	10
PAL418R	150	<1.0	N	N	7	70	20	20	N	N	15
PAL419R	1,000	2.0	N	N	10	20	30	50	N	<20	15
PAL420R	1,000	2.0	N	N	15	20	20	50	N	<20	15
PAL423R	700	1.5	N	N	10	70	20	50	N	<20	30
PAL460R	1,000	2.0	N	N	10	30	10	50	N	<20	7
PAL461R	700	1.0	N	N	5	50	5	20	N	N	10
PAL462R	1,000	2.0	N	N	15	20	150	70	15	<20	10
PAL463R	150	<1.0	N	N	N	15	15	20	N	N	<5
PAL464R	70	N	N	N	<5	30	15	20	N	N	10
PAL465R	150	<1.0	N	N	5	50	15	20	N	N	15
PAL466R	2,000	<1.0	N	N	20	30	200	50	N	N	15
PAL467R	300	1.0	N	N	10	100	20	30	N	N	20
PAL468R	150	<1.0	N	N	15	150	10	30	N	<20	30
PAL469R	2,000	1.5	N	N	10	100	100	30	N	N	30
PAL470R	1,000	1.5	N	N	15	50	70	50	<5	<20	15
PAL471R	1,000	2.0	N	N	10	30	70	50	N	N	15
PAL472R	1,000	1.5	N	N	7	20	20	30	N	N	7
PAL473R	1,000	N	N	N	30	150	30	30	N	<20	70
PAL474R	200	N	N	N	5	100	5	30	N	N	10
PAL475R	200	N	N	N	N	20	<5	20	15	N	<5
PAL476R	150	<1.0	20	N	20	20	700	20	500	N	10
PAL477R	150	<1.0	<10	N	5	20	20	20	>2,000	N	15
PAL478R	<20	N	N	N	N	20	<5	20	20	N	<5
PAL69R	1,000	2.0	N	N	10	20	70	30	<5	N	15
PAL494R	1,000	1.5	N	N	7	30	15	30	N	N	7
PAL71R	1,000	2.0	N	N	10	20	200	50	N	N	10
PAL23M	1,000	2.0	<10	N	20	50	100	50	5	<20	15
PS6	300	<1.0	N	N	10	50	50	30	N	N	15
PAL82R	700	1.0	N	N	200	50	>20,000	<20	200	N	150

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL315R	15	N	<5	N	N	30	N	15	N	500	N
PAL68R	30	N	N	N	500	15	N	<10	N	20	N
PAL401R	30	N	10	N	1,500	150	<50	30	N	200	N
PAL402R	20	N	<5	N	100	50	N	10	N	150	N
PAL404R	30	N	7	N	700	50	N	20	N	50	N
PAL405R	100	N	7	N	1,500	150	N	30	N	150	N
PAL406R	30	N	7	N	700	100	N	20	N	100	N
PAL407R	50	N	7	N	1,500	100	N	30	N	200	N
PAL409R	50	N	7	N	500	70	N	20	N	100	N
PAL410R	100	N	10	N	1,500	150	N	50	N	150	N
PAL411R	100	N	15	N	1,500	150	N	50	N	100	N
PAL412R	30	N	5	N	500	30	N	15	N	50	N
PAL414R	30	N	20	N	150	100	N	70	N	300	N
PAL415R	100	N	<5	N	1,500	50	N	30	N	150	N
PAL416R	30	N	7	N	1,500	50	N	20	N	50	N
PAL417R	70	N	7	N	1,500	150	N	50	N	200	N
PAL418R	50	N	7	N	700	50	N	20	N	70	N
PAL419R	70	N	10	N	1,500	150	N	50	N	150	N
PAL420R	70	N	10	N	1,500	150	N	50	N	150	N
PAL423R	20	N	15	N	200	200	N	50	N	300	N
PAL460R	30	N	7	N	1,500	150	N	50	N	300	N
PAL461R	30	N	<5	N	150	70	N	10	N	200	N
PAL462R	50	N	7	N	1,500	150	N	50	N	150	N
PAL463R	100	N	N	N	>5,000	15	N	<10	N	10	N
PAL464R	70	N	5	N	300	50	N	10	N	70	N
PAL465R	30	N	7	N	300	50	N	15	N	100	N
PAL466R	50	N	15	N	1,500	200	N	50	N	100	N
PAL467R	20	N	20	N	300	100	N	30	N	70	N
PAL468R	15	N	20	N	500	150	N	70	N	70	N
PAL469R	20	N	20	N	300	100	N	30	N	100	N
PAL470R	30	N	10	N	2,000	100	N	50	N	150	N
PAL471R	70	N	10	N	1,500	100	N	50	N	150	N
PAL472R	100	N	5	N	1,500	100	N	30	N	150	N
PAL473R	30	N	20	N	500	200	N	30	N	200	N
PAL474R	30	N	7	N	500	70	N	30	N	200	N
PAL475R	<10	N	N	N	500	20	N	15	N	20	N
PAL476R	1,500	<100	<5	N	N	100	<50	10	300	10	N
PAL477R	30	N	7	N	150	150	100	<10	N	10	N
PAL478R	15	N	<5	N	700	15	N	10	N	10	N
PAL69R	70	N	7	N	1,500	150	N	30	N	200	N
PAL494R	70	N	<5	N	1,500	70	N	30	N	100	N
PAL71R	100	N	5	N	2,000	150	N	30	N	150	N
PAL23M	70	N	20	N	1,500	200	N	50	N	200	N
PS6	15	N	5	N	300	100	N	30	N	200	N
PAL82R	30	N	<5	N	N	15	N	10	N	300	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Au-ppm aa	As-ppm aa	Cu-ppm aa	Pb-ppm aa	Zn-ppm aa	Ag-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
PAL315R	--	--	--	--	--	--	--	--	--
PAL68R	--	--	--	--	--	--	--	--	--
PAL401R	--	--	--	--	--	--	--	--	--
PAL402R	--	--	--	--	--	--	--	--	--
PAL404R	--	--	--	--	--	--	--	--	--
PAL405R	--	--	--	--	--	--	--	--	--
PAL406R	--	--	--	--	--	--	--	--	--
PAL407R	--	--	--	--	--	--	--	--	--
PAL409R	--	--	--	--	--	--	--	--	--
PAL410R	--	--	--	--	--	--	--	--	--
PAL411R	--	--	--	--	--	--	--	--	--
PAL412R	--	--	--	--	--	--	--	--	--
PAL414R	--	--	--	--	--	--	--	--	--
PAL415R	--	--	--	--	--	--	--	--	--
PAL416R	--	--	--	--	--	--	--	--	--
PAL417R	--	--	--	--	--	--	--	--	--
PAL418R	--	--	--	--	--	--	--	--	--
PAL419R	--	--	--	--	--	--	--	--	--
PAL420R	--	--	--	--	--	--	--	--	--
PAL423R	--	--	--	--	--	--	--	--	--
PAL460R	--	--	--	--	--	--	--	--	--
PAL461R	--	--	--	--	--	--	--	--	--
PAL462R	--	--	--	--	--	--	--	--	--
PAL463R	--	--	--	--	--	--	--	--	--
PAL464R	--	--	--	--	--	--	--	--	--
PAL465R	--	--	--	--	--	--	--	--	--
PAL466R	--	--	--	--	--	--	--	--	--
PAL467R	--	--	--	--	--	--	--	--	--
PAL468R	--	--	--	--	--	--	--	--	--
PAL469R	--	--	--	--	--	--	--	--	--
PAL470R	--	--	--	--	--	--	--	--	--
PAL471R	--	--	--	--	--	--	--	--	--
PAL472R	--	--	--	--	--	--	--	--	--
PAL473R	--	--	--	--	--	--	--	--	--
PAL474R	--	--	--	--	--	--	--	--	--
PAL475R	--	--	--	--	--	--	--	--	--
PAL476R	--	--	--	--	--	--	--	--	--
PAL477R	--	--	--	--	--	--	--	--	--
PAL478R	--	--	--	--	--	--	--	--	--
PAL69R	--	--	--	--	--	--	--	--	--
PAL494R	--	--	--	--	--	--	--	--	--
PAL71R	--	--	--	--	--	--	--	--	--
PAL23M	--	--	--	--	--	--	--	--	--
PS6	--	--	--	--	--	--	--	--	--
PAL82R	--	--	--	--	--	--	--	--	--

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

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
PS1	43 24 16	110 59 49	2.00	1.00	10.00	.300	150	30.0	N	N	150
PS2	43 22 28	111 7 16	.70	.70	20.00	.050	150	.5	N	N	20
PS3	43 16 7	110 54 54	3.00	1.00	7.00	.200	1,000	N	N	N	10
PS5	43 16 17	110 54 40	5.00	3.00	15.00	.300	1,500	N	N	N	N
PG1	43 17 59	110 47 53	.30	.07	.15	.070	50	<.5	N	N	70
PG2A	43 20 55	110 49 26	3.00	1.00	.30	.300	500	N	N	N	100
PG2B	43 20 55	110 49 26	5.00	1.00	.50	.300	300	N	N	N	150
PG3B	43 11 48	111 1 15	.07	10.00	20.00	<.002	150	N	N	N	N
PG14	43 21 31	111 5 42	5.00	3.00	.70	1.000	200	5.0	N	N	500
PG15	43 21 28	111 5 44	2.00	7.00	20.00	.300	500	N	N	N	70
PG16	43 19 15	111 3 17	5.00	2.00	.20	.700	300	N	N	N	300
PG16A	43 19 15	111 3 17	7.00	2.00	.15	.700	700	N	N	N	500
PG37	43 28 41	111 1 47	1.50	.30	.20	.200	300	.7	N	N	30
PG40	43 28 16	111 0 47	.70	.15	3.00	.100	500	N	N	N	10
PG63A	43 34 22	111 11 3	.10	10.00	20.00	.015	150	N	N	N	10
PG67A	43 31 43	111 19 34	N	.30	20.00	N	<10	N	N	N	N
PG67B	43 31 43	111 19 34	N	.50	20.00	N	10	N	N	N	N
PG68	43 31 47	111 19 15	.70	1.00	20.00	.150	500	N	N	N	30
PG69A	43 33 8	111 17 44	1.50	2.00	20.00	.300	3,000	N	N	N	50
PG69B	43 33 8	111 17 44	7.00	5.00	7.00	.700	1,000	N	N	N	150
PG70	43 33 15	111 17 41	1.50	3.00	7.00	.200	>5,000	N	N	N	70
PG71	43 33 58	111 14 49	1.50	.50	7.00	.300	1,500	N	N	N	20
PG71A	43 33 57	111 14 49	.70	.20	.30	.200	300	<.5	N	N	20
PG73A	43 34 14	111 12 37	.70	.20	.30	.300	30	N	N	N	70
PG73B	43 34 14	111 12 37	2.00	1.00	1.00	.300	200	N	N	N	150
PG73C	43 34 14	111 12 37	1.00	.30	.30	.300	50	<.5	N	N	100
PG79	43 33 41	111 15 11	1.50	.15	.30	.500	150	N	N	N	50
PG80	43 33 44	111 15 7	3.00	.70	.50	.500	300	N	N	N	100
81G1	43 12 15	110 51 35	5.00	1.50	.30	.700	150	N	N	N	200
81G2	43 13 22	111 0 0	.05	3.00	>20.00	.005	15	N	N	N	N
81G3	43 13 24	111 0 3	5.00	2.00	.30	.700	300	N	N	N	500
81G4	43 22 54	111 5 19	.70	.07	.20	.070	10	N	N	N	10
81G5	43 25 20	111 3 43	.15	7.00	>20.00	.030	150	N	N	N	<10
81G6	43 25 47	111 4 9	2.00	5.00	15.00	.500	>5,000	N	N	N	100
81G7	43 22 0	111 4 25	1.00	3.00	>20.00	.200	700	N	N	N	20
81G14	43 28 57	111 8 19	1.00	1.50	5.00	.500	>5,000	N	N	N	70
81S1	43 20 48	110 53 48	1.50	.50	.30	.300	300	<.5	N	N	70
81D2	43 13 23	111 0 2	.30	1.50	20.00	.030	700	N	N	N	N
81D3	43 13 28	110 58 14	.70	1.50	20.00	.200	1,000	N	N	N	20
81D16	43 32 3	111 16 13	1.00	.50	1.50	.200	>5,000	N	N	N	70
81D17	43 22 13	111 5 43	>20.00	.30	.07	.002	200	3.0	N	N	N
81D18	43 22 13	111 5 43	>20.00	.30	.07	.002	200	2.0	500	N	N
PAL338R	43 21 56	111 4 28	>20.00	.20	.20	.005	100	N	N	N	N
PAL339R	43 27 45	111 6 43	.50	.50	>20.00	.070	200	30.0	N	N	30
PAL600R	43 16 27	110 52 50	.20	1.50	10.00	.100	700	N	N	N	700

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Ba-ppm s	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
PS1	500	2.0	N	>500	<5	5,000	300	200	70	<20	200
PS2	70	N	N	N	<5	100	20	20	N	N	20
PS3	1,000	2.0	N	N	7	30	20	30	N	N	5
PS5	700	1.5	N	N	10	70	50	30	N	N	30
PG1	500	<1.0	N	N	<5	100	5	<20	N	N	10
PG2A	1,000	3.0	N	N	7	100	20	30	N	<20	30
PG2B	1,500	3.0	N	N	7	100	20	30	N	<20	30
PG3B	N	N	N	N	N	10	<5	<20	N	N	N
PG14	300	3.0	N	N	15	200	30	30	7	<20	50
PG15	200	<1.0	N	N	7	70	10	30	N	N	20
PG16	700	2.0	N	N	15	100	20	70	N	<20	50
PG16A	1,000	2.0	N	N	20	150	30	100	N	<20	70
PG37	500	1.0	N	N	5	50	10	30	N	<20	10
PG40	150	N	N	N	N	50	10	20	N	N	5
PG63A	N	N	N	N	N	20	<5	<20	N	N	N
PG67A	N	N	N	N	N	30	<5	<20	N	N	N
PG67B	N	N	N	N	N	30	<5	<20	N	N	N
PG68	150	N	N	N	<5	50	<5	20	N	N	7
PG69A	200	<1.0	N	N	7	70	10	20	N	N	15
PG69B	700	1.5	N	N	15	100	50	30	N	<20	30
PG70	300	1.5	N	N	7	50	10	20	N	N	15
PG71	1,000	1.5	N	N	7	70	10	50	N	<20	30
PG71A	1,000	3.0	N	N	<5	30	15	20	N	20	5
PG73A	200	<1.0	N	N	5	50	10	20	N	<20	15
PG73B	500	1.5	N	N	7	100	20	20	N	<20	30
PG73C	300	<1.0	N	N	5	50	10	20	N	<20	20
PG79	700	3.0	N	N	7	20	7	30	5	20	<5
PG80	1,000	3.0	N	N	10	70	20	70	7	50	30
81G1	300	3.0	N	N	15	100	100	50	N	20	50
81G2	N	<1.0	N	N	N	20	15	<20	N	N	N
81G3	500	2.0	N	N	15	100	30	100	N	20	50
81G4	100	N	N	N	N	30	7	<20	N	N	5
81G5	<20	N	N	N	N	30	<5	<20	N	N	<5
81G6	500	1.0	N	N	7	70	30	30	N	<20	15
81G7	500	<1.0	N	N	7	70	15	20	N	N	15
81G14	300	1.0	N	N	5	50	7	20	N	<20	5
81S1	1,000	3.0	N	N	5	50	20	20	N	<20	10
81D2	50	N	N	N	N	20	10	20	N	N	<5
81D3	150	<1.0	N	N	<5	50	5	20	N	N	<5
81D16	500	1.5	N	N	5	30	20	20	N	N	5
81D17	700	1.0	N	N	N	50	10	N	30	N	500
81D18	100	1.5	N	N	N	100	15	N	20	N	150
PAL338R	150	3.0	N	N	N	100	30	N	100	N	300
PAL339R	100	2.0	N	>500	N	1,000	200	500	150	N	700
PAL600R	100	<1.0	N	N	N	<10	20	30	N	N	5

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PS1	50	N	20	N	300	2,000	N	300	3,000	300	N
PS2	<10	N	<5	N	150	50	N	20	N	30	N
PS3	100	N	7	N	1,500	100	N	30	N	200	N
PS5	20	N	15	N	1,000	150	N	50	N	200	N
PG1	20	N	<5	N	N	20	N	N	N	50	N
PG2A	30	N	10	N	<100	100	N	30	N	150	N
PG2B	30	N	15	N	<100	150	N	30	N	200	N
PG3B	N	N	<5	N	<100	<10	N	N	N	<10	N
PG14	150	N	20	N	N	200	N	20	N	300	N
PG15	20	N	7	N	100	50	N	20	N	150	N
PG16	20	N	15	N	N	100	N	30	N	150	N
PG16A	30	N	20	N	N	150	N	50	N	200	N
PG37	30	N	<5	N	N	70	N	15	N	100	N
PG40	10	N	5	N	N	50	N	10	N	20	N
PG63A	N	N	<5	N	<100	10	N	N	N	N	N
PG67A	N	N	N	N	300	<10	N	<10	N	N	N
PG67B	N	N	N	N	300	<10	N	<10	N	N	N
PG68	15	N	5	N	1,000	30	N	20	N	70	N
PG69A	20	N	7	N	200	50	N	30	N	200	N
PG69B	20	N	20	N	N	200	N	50	N	300	N
PG70	20	N	7	N	100	50	N	20	N	200	N
PG71	30	N	10	N	500	70	N	30	N	300	N
PG71A	50	N	<5	N	150	30	N	20	N	200	N
PG73A	20	N	5	N	N	100	N	20	N	300	N
PG73B	30	N	10	N	<100	200	N	50	N	300	N
PG73C	20	N	5	N	N	150	N	20	N	300	N
PG79	70	N	7	N	100	50	N	30	N	300	N
PG80	70	N	10	N	150	150	N	50	N	200	N
81G1	50	N	20	N	150	300	N	50	200	200	N
81G2	20	N	N	N	300	10	N	N	200	<10	N
81G3	30	N	20	N	N	150	N	30	200	100	N
81G4	15	N	<5	N	N	20	N	N	200	100	N
81G5	20	N	N	N	500	30	N	20	200	20	N
81G6	20	N	7	N	150	70	N	50	200	300	N
81G7	30	N	7	N	700	50	N	15	200	30	N
81G14	30	N	5	N	N	30	N	30	200	500	N
81S1	30	N	5	N	<100	70	N	20	200	100	N
81D2	30	N	<5	N	500	15	N	10	200	20	N
81D3	30	N	<5	N	700	30	N	20	200	300	N
81D16	50	N	5	N	150	30	N	20	200	100	N
81D17	30	N	N	N	N	30	N	<10	3,000	N	N
81D18	70	N	N	N	N	20	N	<10	1,000	N	N
PAL338R	30	N	N	N	N	100	N	50	7,000	N	N
PAL339R	70	N	7	N	1,500	10,000	N	300	10,000	150	N
PAL600R	<10	N	<5	N	<100	10	N	15	N	50	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Au-ppm aa	As-ppm aa	Cu-ppm aa	Pb-ppm aa	Zn-ppm aa	Ag-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
PS1	--	--	--	--	--	--	--	--	--
PS2	--	--	--	--	--	--	--	--	--
PS3	--	--	--	--	--	--	--	--	--
PS5	--	--	--	--	--	--	--	--	--
PG1	--	--	--	--	--	--	--	--	--
PG2A	--	--	--	--	--	--	--	--	--
PG2B	--	--	--	--	--	--	--	--	--
PG3B	--	--	--	--	--	--	--	--	--
PG14	--	--	--	--	--	--	--	--	--
PG15	--	--	--	--	--	--	--	--	--
PG16	--	--	--	--	--	--	--	--	--
PG16A	--	--	--	--	--	--	--	--	--
PG37	--	--	--	--	--	--	--	--	--
PG40	--	--	--	--	--	--	--	--	--
PG63A	--	--	--	--	--	--	--	--	--
PG67A	--	--	--	--	--	--	--	--	--
PG67B	--	--	--	--	--	--	--	--	--
PG68	--	--	--	--	--	--	--	--	--
PG69A	--	--	--	--	--	--	--	--	--
PG69B	--	--	--	--	--	--	--	--	--
PG70	--	--	--	--	--	--	--	--	--
PG71	--	--	--	--	--	--	--	--	--
PG71A	--	--	--	--	--	--	--	--	--
PG73A	--	--	--	--	--	--	--	--	--
PG73B	--	--	--	--	--	--	--	--	--
PG73C	--	--	--	--	--	--	--	--	--
PG79	--	--	--	--	--	--	--	--	--
PG80	--	--	--	--	--	--	--	--	--
81G1	--	--	--	--	--	--	--	--	--
81G2	--	--	--	--	--	--	--	--	--
81G3	--	--	--	--	--	--	--	--	--
81G4	--	--	--	--	--	--	--	--	--
81G5	--	--	--	--	--	--	--	--	--
81G6	--	--	--	--	--	--	--	--	--
81G7	--	--	--	--	--	--	--	--	--
81G14	--	--	--	--	--	--	--	--	--
81S1	--	--	--	--	--	--	--	--	--
81D2	--	--	--	--	--	--	--	--	--
81D3	--	--	--	--	--	--	--	--	--
81D16	--	--	--	--	--	--	--	--	--
81D17	--	--	--	--	--	--	--	--	--
81D18	--	--	--	--	--	--	--	--	--
PAL338R	--	--	--	--	--	--	--	--	--
PAL339R	--	--	--	--	--	--	--	--	--
PAL600R	--	N	--	--	20	--	<.10	<2	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

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
PAL601R	43 16 27	110 52 50	.20	2.00	15.00	.200	1,000	N	N	N	150
PAL602R	43 16 49	110 53 7	.05	7.00	20.00	.002	300	N	N	N	N
PAL603R	43 17 4	110 53 18	5.00	1.50	7.00	.300	1,000	N	N	N	N
PAL604R	43 17 0	110 53 18	.10	.20	.10	.150	10	5.0	<200	N	30
PAL605R	43 17 0	110 53 18	.50	.70	.50	.200	150	100.0	N	N	200
PAL606R	43 17 0	110 53 18	.70	.70	.70	.200	200	20.0	N	N	150
PAL607R	43 17 24	110 53 10	.20	.10	.05	.100	200	.5	N	N	20
PAL608R	43 17 43	110 53 4	.20	.20	.05	.070	150	N	N	N	30
PAL609R	43 18 6	110 52 58	.20	.05	<.05	.050	300	N	N	N	30
PAL610R	43 18 5	110 52 25	.70	.07	.05	.100	500	N	N	N	70
PAL611R	43 17 34	110 52 7	.30	.10	.10	.100	300	N	N	N	30
PAL612R	43 17 25	110 51 55	.30	.20	<.05	.070	100	N	N	N	30
PAL613R	43 16 45	110 56 46	.50	.20	<.05	.100	500	N	N	N	50
PAL614R	43 16 50	110 56 49	.50	.20	<.05	.150	20	N	N	N	50
PAL615R	43 16 36	110 56 48	.30	.20	.05	.070	300	N	N	N	70
PAL495R	43 14 58	110 46 57	1.00	1.50	15.00	.300	700	N	N	N	100
PAL496R	43 14 59	110 47 4	.50	.15	.10	.100	50	50.0	1,500	N	20
PAL497R	43 14 59	110 47 4	.10	.50	20.00	.050	1,000	N	N	N	15
PAL498R	43 16 18	110 53 6	.30	.50	.10	.100	300	N	N	N	15
PAL499R	43 15 50	110 52 57	1.00	5.00	20.00	.200	1,000	N	N	N	70
PAL500R	43 15 56	110 53 26	.50	.50	.07	.150	150	N	N	N	30
PAL501R	43 15 54	110 53 54	.20	.20	.05	.100	200	N	N	N	50
PAL502R	43 16 10	110 54 42	1.00	1.50	2.00	.300	700	N	N	N	20
PAL503R	43 16 11	110 54 44	.70	5.00	>20.00	.030	500	N	N	N	N
PAL504R	43 16 11	110 55 8	.50	.07	.05	.020	10	N	N	N	N
PAL505R	43 16 33	110 55 22	.50	.10	.05	.100	500	N	N	N	300
PAL506R	43 16 49	110 55 21	.20	1.00	>20.00	<.002	700	N	N	N	N
PAL507R	43 16 53	110 55 58	.20	.07	.05	.050	100	N	N	N	50
PAL508R	43 16 34	110 57 15	.20	.10	.05	.050	15	N	N	N	30
PAL509R	43 16 30	110 57 6	>20.00	.20	.10	.100	500	N	300	N	30
PAL510R	43 16 33	110 57 3	.30	.15	<.05	.150	100	N	N	N	70
PAL511R	43 16 47	110 56 34	.50	.70	2.00	.200	200	N	N	N	100
PAL512R	43 16 45	110 55 53	.50	5.00	>20.00	.070	700	N	N	N	50
PAL513R	43 16 45	110 55 53	.30	5.00	>20.00	.070	700	N	N	N	30
PAL514R	43 17 40	110 57 45	.50	3.00	15.00	.200	500	N	N	N	200
PAL515R	43 17 39	110 57 48	7.00	3.00	5.00	.300	1,000	N	N	N	20
PAL516R	43 21 58	111 5 23	10.00	5.00	15.00	.020	150	N	N	N	N
PAL517R	43 15 3	110 47 0	.20	.15	.10	.100	20	20.0	N	N	30
PAL518R	43 20 4	110 59 34	.30	.20	2.00	.100	150	N	N	N	30
PAL519R	43 20 5	110 59 36	3.00	.70	>20.00	.010	100	N	N	N	N
PAL520R	43 20 4	110 59 19	.15	.10	<.05	.050	100	N	N	N	20
PAL521R	43 28 52	111 0 28	.10	.10	.05	.070	20	30.0	N	N	30
PAL616R	43 25 9	110 59 27	.10	.07	<.05	.070	200	N	N	N	30
PAL617R	43 25 9	110 59 25	.15	.10	<.05	.100	70	N	N	N	30
PAL618R	43 24 46	110 58 19	.50	2.00	5.00	.500	1,000	N	N	N	50

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Ba-ppm s	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
PAL601R	150	<1.0	N	N	N	<10	30	30	N	N	5
PAL602R	<20	N	N	N	N	N	10	20	N	N	<5
PAL603R	1,000	1.5	N	N	15	N	50	50	N	N	10
PAL604R	500	N	N	N	15	10	3,000	30	N	N	20
PAL605R	700	<1.0	N	N	70	<10	15,000	30	150	N	15
PAL606R	1,000	N	N	N	20	<10	10,000	30	100	N	20
PAL607R	700	N	N	N	<5	<10	30	30	N	N	5
PAL608R	700	N	N	N	<5	20	5	30	N	N	5
PAL609R	500	N	N	N	N	<10	5	30	N	N	5
PAL610R	700	N	N	N	<5	N	5	30	N	N	5
PAL611R	700	N	N	N	N	N	5	30	N	N	<5
PAL612R	700	N	N	N	N	20	10	30	N	N	5
PAL613R	700	N	N	N	N	N	10	30	N	N	5
PAL614R	700	N	N	N	N	N	15	30	N	N	5
PAL615R	700	N	N	N	N	N	<5	30	N	N	5
PAL495R	500	N	N	N	5	10	20	50	N	N	<5
PAL496R	700	N	N	N	15	N	20,000	30	500	N	10
PAL497R	500	N	N	N	N	N	20	50	N	N	<5
PAL498R	700	N	N	N	N	<10	30	30	N	N	5
PAL499R	300	N	N	N	5	10	15	30	N	N	7
PAL500R	700	N	N	N	N	N	5	30	N	N	5
PAL501R	700	N	N	N	N	N	10	30	N	N	5
PAL502R	1,000	N	N	N	7	N	5	30	N	N	10
PAL503R	150	N	N	N	<5	<10	10	20	N	N	<5
PAL504R	300	N	N	N	N	N	<5	30	N	N	<5
PAL505R	700	N	N	N	N	20	5	30	N	N	<5
PAL506R	<20	N	N	N	N	N	<5	30	N	N	N
PAL507R	300	N	N	N	<5	N	10	30	N	N	5
PAL508R	700	N	N	N	N	N	<5	30	N	N	5
PAL509R	2,000	<1.0	N	N	N	<10	5	<20	20	N	5
PAL510R	1,000	N	N	N	7	<10	30	30	N	N	7
PAL511R	700	N	N	N	N	<10	10	30	N	N	5
PAL512R	100	N	N	N	<5	<10	10	30	N	N	5
PAL513R	70	N	N	N	<5	<10	10	30	N	N	5
PAL514R	150	<1.0	N	N	5	<10	20	30	N	N	15
PAL515R	1,000	2.0	N	N	10	<10	20	30	N	N	15
PAL516R	50	2.0	N	N	<5	20	20	<20	5	N	20
PAL517R	500	N	N	N	N	20	3,000	20	N	N	<5
PAL518R	700	N	N	N	N	30	7	20	N	N	<5
PAL519R	20	N	N	N	N	20	10	<20	7	N	<5
PAL520R	300	N	N	N	N	10	10	20	N	N	<5
PAL521R	1,000	N	N	N	N	15	10,000	20	N	N	5
PAL616R	300	N	N	N	N	15	10	20	N	N	<5
PAL617R	300	N	N	N	N	15	15	20	N	N	<5
PAL618R	300	<1.0	N	N	<5	70	15	20	N	N	<5

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL601R	15	N	<5	N	700	30	N	20	N	100	N
PAL602R	30	N	N	N	200	10	N	N	N	N	N
PAL603R	20	N	7	N	1,000	100	N	20	N	100	N
PAL604R	30	N	N	N	N	20	N	10	N	300	N
PAL605R	100	N	7	N	N	20	N	<10	N	200	N
PAL606R	20	N	N	N	N	10	N	10	N	200	N
PAL607R	20	N	<5	N	N	<10	N	<10	N	100	N
PAL608R	15	N	<5	N	N	<10	N	<10	N	50	N
PAL609R	10	N	N	N	N	10	N	N	N	50	N
PAL610R	15	N	N	N	N	30	N	<10	N	100	N
PAL611R	15	N	N	N	N	15	N	<10	N	200	N
PAL612R	10	N	N	N	N	20	N	<10	N	100	N
PAL613R	15	N	<5	N	N	30	N	<10	N	300	N
PAL614R	10	N	N	N	N	20	N	<10	N	150	N
PAL615R	10	N	N	N	N	20	N	<10	N	50	N
PAL495R	15	N	5	N	150	30	N	20	N	200	N
PAL496R	1,500	N	N	N	N	50	N	<10	N	70	N
PAL497R	50	N	N	N	100	15	N	<10	N	30	N
PAL498R	15	N	N	N	N	15	N	N	N	50	N
PAL499R	30	N	5	N	700	50	N	20	N	70	N
PAL500R	20	N	N	N	N	15	N	<10	N	50	N
PAL501R	20	N	N	N	<100	15	N	<10	N	150	N
PAL502R	20	N	5	N	N	15	N	15	N	300	N
PAL503R	150	N	N	N	700	15	N	N	N	10	N
PAL504R	10	N	N	N	N	10	N	N	N	150	N
PAL505R	20	N	<5	N	N	20	N	<10	N	200	N
PAL506R	<10	N	N	N	150	10	N	N	N	N	N
PAL507R	10	N	N	N	N	10	N	<10	N	30	N
PAL508R	10	N	N	N	N	10	N	N	N	70	N
PAL509R	20	N	<5	N	<100	70	N	10	N	100	N
PAL510R	20	N	N	N	N	20	N	<10	N	100	N
PAL511R	20	N	<5	N	<100	20	N	<10	N	150	N
PAL512R	30	N	5	N	700	10	N	10	N	70	N
PAL513R	20	N	<5	N	1,000	10	N	10	N	50	N
PAL514R	15	N	5	N	200	15	N	15	N	150	N
PAL515R	50	N	10	N	700	100	N	20	N	100	N
PAL516R	20	N	7	N	N	10	N	N	N	15	N
PAL517R	20	N	N	N	N	10	N	<10	N	100	N
PAL518R	20	N	<5	N	<100	<10	N	<10	N	150	N
PAL519R	15	N	N	N	200	10	N	<10	N	<10	N
PAL520R	15	N	N	N	N	<10	N	N	N	30	N
PAL521R	20	N	N	N	N	100	N	N	N	150	N
PAL616R	20	N	N	N	N	<10	N	N	N	100	N
PAL617R	15	N	<5	N	N	<10	N	<10	N	200	N
PAL618R	20	N	5	N	N	20	N	30	N	500	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Au-ppm aa	As-ppm aa	Cu-ppm aa	Pb-ppm aa	Zn-ppm aa	Ag-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
PAL601R	--	<5	--	--	5	--	N	N	N
PAL602R	--	<5	--	--	180	--	6.50	N	N
PAL603R	--	<5	--	--	10	--	<.10	<2	N
PAL604R	N	90	--	--	<5	--	N	<2	N
PAL605R	N	85	--	--	<5	--	N	N	2
PAL606R	N	55	--	--	<5	--	N	N	<1
PAL607R	--	<5	--	--	5	--	N	N	2
PAL608R	--	<5	--	--	<5	--	N	N	<1
PAL609R	--	<5	--	--	<5	--	N	N	<1
PAL610R	--	<5	--	--	<5	--	N	<2	N
PAL611R	--	<5	--	--	<5	--	N	N	<1
PAL612R	--	<5	--	--	5	--	N	N	<1
PAL613R	--	<5	--	--	<5	--	N	N	N
PAL614R	--	<5	--	--	<5	--	N	N	<1
PAL615R	--	<5	--	--	<5	--	N	N	<1
PAL495R	--	N	--	--	5	--	N	N	<1
PAL496R	N	1,100	--	--	100	--	1.10	N	10
PAL497R	--	5	--	--	10	--	<.10	N	<1
PAL498R	--	<5	--	--	5	--	N	<2	<1
PAL499R	--	<5	--	--	10	--	N	<2	<1
PAL500R	--	<5	--	--	<5	--	N	N	<1
PAL501R	--	<5	--	--	<5	--	N	<2	<1
PAL502R	--	<5	--	--	10	--	.40	N	<1
PAL503R	--	5	--	--	100	--	6.50	N	1
PAL504R	--	<5	--	--	<5	--	N	<2	<1
PAL505R	--	<5	--	--	<5	--	N	N	<1
PAL506R	--	<5	--	--	10	--	.10	N	1
PAL507R	--	20	--	--	5	--	N	N	<1
PAL508R	--	5	--	--	<5	--	N	<2	2
PAL509R	N	450	--	--	10	--	.10	<2	5
PAL510R	--	10	--	--	15	--	N	<2	1
PAL511R	--	5	--	--	<5	--	N	<2	2
PAL512R	--	<5	--	--	<5	--	N	<2	2
PAL513R	--	N	--	--	5	--	N	<2	2
PAL514R	--	<5	--	--	20	--	N	<2	2
PAL515R	--	<5	--	--	85	--	N	<2	2
PAL516R	--	N	--	--	110	--	.60	N	N
PAL517R	N	20	--	--	25	--	.20	N	N
PAL518R	--	10	--	--	5	--	.10	N	N
PAL519R	--	<5	--	--	25	--	.20	N	N
PAL520R	--	20	--	--	5	--	.20	N	N
PAL521R	.10	10	--	--	<5	--	.20	N	N
PAL616R	--	15	--	--	5	--	.20	N	N
PAL617R	--	10	--	--	5	--	.10	N	N
PAL618R	--	N	--	--	15	--	.10	N	N

Table 5.-- Analytical data for rocks from the West and East Palisades Roadless Areas, Idaho-Wyoming

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
PAL619R	43 28 4	110 56 58	.15	.20	.70	.100	200	N	N	N	20
PAL620R	43 27 55	110 56 18	.20	.20	.05	.150	20	N	N	N	20
PAL621R	43 27 55	110 55 25	.10	.07	.05	.100	30	N	N	N	15
PAL801R	43 25 22	110 59 50	.20	.15	.05	.200	30	N	N	N	30
PAL802R	43 22 13	111 5 42	.20	.50	20.00	.050	50	N	N	N	10

Sample	Ba-ppm s	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
PAL619R	300	N	N	N	N	70	<5	20	N	N	<5
PAL620R	300	N	N	N	N	15	20	20	N	N	5
PAL621R	300	N	N	N	N	15	<5	20	N	N	<5
PAL801R	500	N	N	N	N	1,500	5	20	N	N	5
PAL802R	20	N	N	N	N	30	5	30	N	N	5

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
PAL619R	10	N	<5	N	N	<10	N	<10	N	30	N
PAL620R	15	N	N	N	N	10	N	<10	N	70	N
PAL621R	10	N	N	N	N	<10	N	N	N	100	N
PAL801R	20	N	N	N	N	10	N	<10	N	100	N
PAL802R	<10	N	N	N	N	15	N	20	N	50	N

Sample	Au-ppm aa	As-ppm aa	Cu-ppm aa	Pb-ppm aa	Zn-ppm aa	Ag-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
PAL619R	--	N	--	--	5	--	.20	N	N
PAL620R	--	N	--	--	10	--	.10	N	1
PAL621R	--	N	--	--	<5	--	.10	N	2
PAL801R	--	N	--	--	5	--	.10	N	N
PAL802R	--	N	--	--	10	--	.20	N	1

Table 6.-- Analytical data from waters from the West and East Palisades Roadless Areas, Idaho-Wyoming

Sample	Latitude	Longitude	Mo µg/L	COND. µmhos/cm	U µg/L	Zn µg/L	Cu µg/L	SO4- mg/L	Cl- mg/L	F- mg/L
PAL9W	43 22 51	111 5 59	<1.0	134	.38	6	<1.0	1.40	.30	.11
PAL10W	43 23 5	111 6 31	<1.0	165	.32	5	2.1	1.20	.36	.05
PAL15W	43 29 24	111 7 27	<1.0	132	.10	7	1.6	.95	.13	.08
PAL21W	43 28 46	111 6 13	<1.0	285	.30	2	2.3	6.10	.58	.17
PAL39W	43 19 20	110 59 0	<1.0	220	.20	3	2.8	1.20	.40	.20
PAL45W	43 20 58	110 57 33	1.0	460	.44	2	4.0	85.00	.51	.40
PAL72W	43 16 38	110 54 41	<1.0	280	.18	7	3.1	6.20	.24	.13
PAL76W	43 16 43	110 54 24	2.2	275	.20	7	3.1	5.10	.21	.09
PAL78W	43 16 40	110 54 0	1.5	230	.20	4	5.7	13.00	.45	.09
PAL95W	43 15 57	110 55 46	--	230	.22	--	--	3.20	.49	.24
PAL134W	43 25 14	111 2 41	2.5	240	.40	14	2.1	5.50	.31	.12
PAL137W	43 25 14	111 2 13	2.0	320	.56	8	3.7	39.00	.19	.10
PAL317W	43 27 26	111 9 17	--	240	.40	7	2.4	1.30	.51	.26
PAL333W	43 21 55	111 4 26	--	270	.40	5	<1.0	2.50	.60	.56