

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**Analytical results and sample locality map  
of stream-sediment, panned-concentrate, rock, and water samples  
from the Italian Peak and Italian Peak Middle  
Roadless Areas, Idaho and Montana**

By

R. T. Hopkins, W. L. Campbell, J. C. Antweiler,  
and J. P. Fox

Open-File Report 84-285

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

1984

## CONTENTS

|  | Page |
|--|------|
| Studies related to wilderness.....     | 1    |
| Introduction.....                      | 1    |
| Methods of study.....                  | 1    |
| Sample collection.....                 | 1    |
| Stream-sediment samples.....           | 3    |
| Heavy-mineral-concentrate samples..... | 3    |
| Rock samples.....                      | 3    |
| Water samples.....                     | 3    |
| Sample preparation.....                | 3    |
| Sample analysis.....                   | 4    |
| Spectrographic method.....             | 4    |
| Chemical methods.....                  | 6    |
| RASS.....                              | 7    |
| References cited.....                  | 7    |

## TABLES

|  |    |
|--|----|
| TABLE 1. Limits of determination for spectrographic analysis of<br>rocks and stream sediments..... | 5  |
| TABLE 2. Chemical methods used.....  | 6  |
| TABLE 3. Analytical data for stream sediments.....   | 8  |
| TABLE 4. Analytical data for panned concentrates.....  | 16 |
| TABLE 5. Analytical data for rocks.....  | 19 |
| TABLE 6. Analytical data for waters.....   | 39 |

## ILLUSTRATIONS

|   |   |
|---|---|
| FIGURE 1. Location map of the Italian Peak Roadless Area, Beaverhead<br>County, Montana, and the Italian Peak Middle Roadless<br>Area, Clark and Lemhi Counties, Idaho..... | 3 |
| PLATE 1. Map showing geochemical sample localities for the<br>Italian Peak and Italian Peak Middle Roadless<br>Areas, Idaho and Montana.....in pocket                       |   |

## 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 Italian Peak Roadless Area in the Beaverhead National Forest, Beaverhead County, Montana; and the Italian Peak Middle Roadless Area, Targhee National Forest, Clark and Lemhi Counties, Idaho. The Italian Peak and Italian Peak Middle 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 through 1982 we conducted a reconnaissance geochemical survey of the Italian Peak Roadless Area, Beaverhead County, Montana, and the Italian Peak Middle Roadless Area, Clark and Lemhi Counties, Idaho.

The contiguous study areas, considered here as one, comprise about 86.7 mi<sup>2</sup> (225 km<sup>2</sup>) along the Continental Divide boundary between Idaho and Montana, located in the southern Beaverhead Mountains. The area lies about 17 mi (27 km) southwest of Lima, Montana and about 25 mi (40 km) northwest of Dubois, Idaho (fig. 1). Access to the perimeter of the area is provided by the Sheep Creek Road in Montana, and Medicine Lodge Creek Road and State Highway 28 in Idaho. Forest Service development roads and numerous pack trails provide interior access.

The study area is an extension of the Idaho-Wyoming thrust belt north of the Snake River plain, and consists of Precambrian (Proterozoic) and early to mid-Paleozoic rocks that have been deformed and transported several miles by thrust faulting. These rocks include sandstones, carbonates, shales, granites, and syenites. Younger, in situ deposits consist of Cenozoic volcanic rocks, fresh-water limestones, and thick sections of gravel, sand and silt. Both the older thrust plates and the younger in situ rocks have been broken by normal faults. The individual formations have been mapped and described in detail by Skipp and others, (1983).

The topographic relief in the study area is about 4200 ft (1280 m), with a maximum elevation of 11,393 ft (3473 m) at Scott Peak. The area is mountainous with deep glacial and fluvial valleys and canyons either dry or occupied by small perennial or intermittent streams. The climate is moderate.

## METHODS OF STUDY

### Sample Collection

We collected 365 samples consisting of 84 stream-sediment samples, 35 panned-concentrate samples, 217 rock samples, and 29 water samples, for a sampling density of about 1 sample per 1 mi<sup>2</sup> for the stream sediment samples and about 1 sample per .35 mi<sup>2</sup> for the rock. The drainage basins ranged from 1/2 to 20 mi<sup>2</sup>.

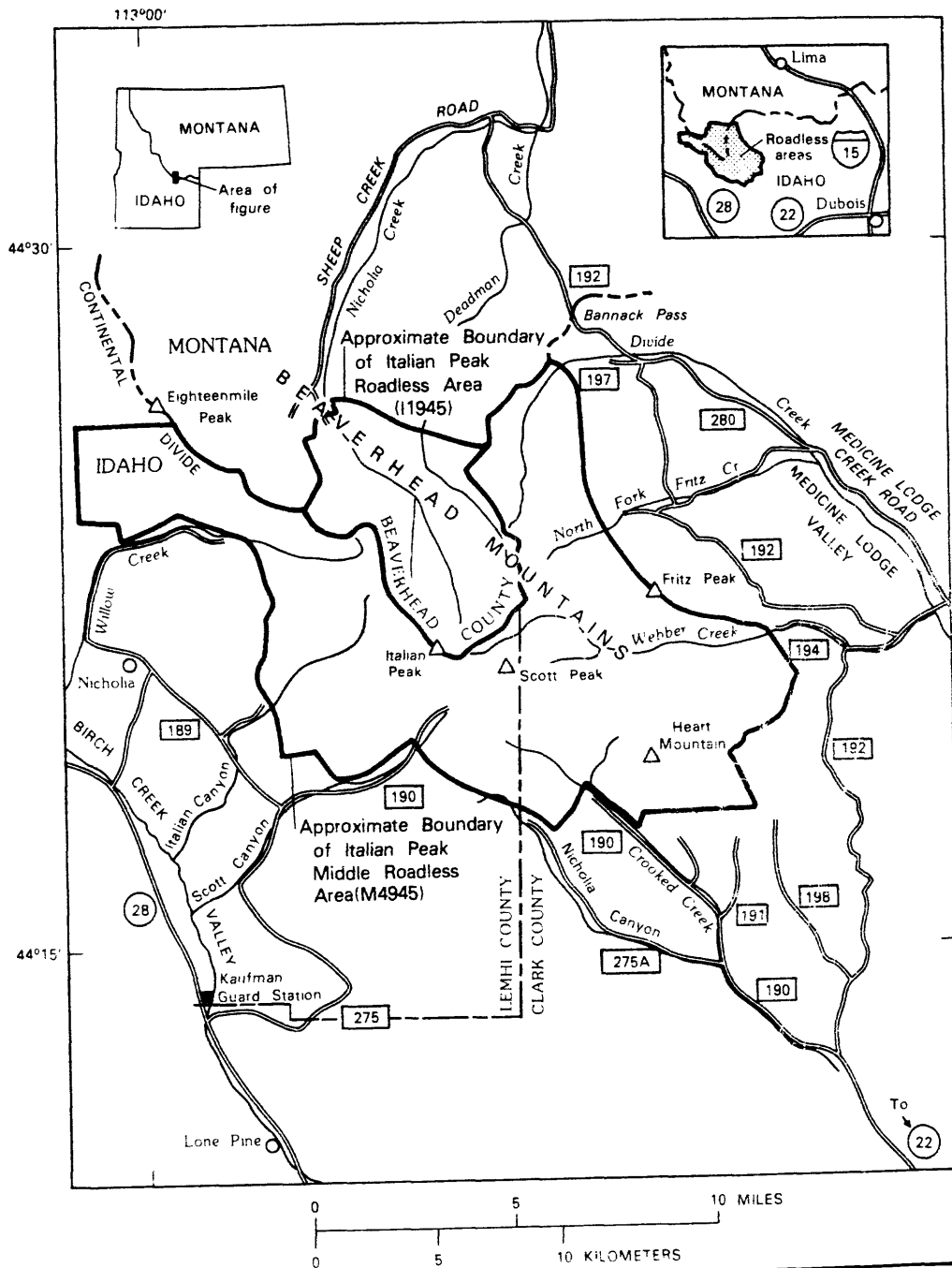


Figure 1.--Location map of the Italian Peak Roadless Area, Beaverhead County, Montana, and the Italian Peak Middle Roadless Area, Clark and Lemhi Counties, Idaho.

## **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.

The stream-sediment samples consisted mostly of active alluvium collected primarily from first-order (unbranched) and second-order (below the junction of two first-order) streams as shown on USGS topographic maps (scale = 1:62,500). Each sample was composited from several localities within an area that may extend as much as 150 ft from the site plotted on the map.

## **Heavy-mineral-concentrate samples**

We panned heavy-mineral-concentrate samples from the same active alluvium as the stream-sediment samples, but the material selected for panning was intentionally biased by collection from points of natural concentration of heavy minerals by stream processes. The material was panned until most of the quartz, feldspar, organic material, and clay-sized material was removed. The sample was air dried.

## **Rock samples**

We collected rock samples from outcrops or exposures in the vicinity of the plotted site location. Most samples were collected from unaltered rock. Rock samples provide information on elements in rocks that have not been affected by alteration or mineralization. In addition, some altered and(or) mineralized rocks were collected.

## **Water samples**

We collected water samples from springs. A 500-mL sample was taken at each site and stored in a new untreated plastic bottle. In addition, a 60-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 with ceramic plates to minus 0.15 mm. Water samples required no preparation beyond that done in the process of collecting them.

The samples were air dried and sieved through minus-80-mesh stainless steel sieves. The portion of the sediment passing through the sieve was split and a representative fraction was saved for analysis.

Panned concentrates were air dried and examined to determine mineral composition. A small split of each sample was separated and hand ground for spectrographic analyses. The entire remainder of each concentrate was saved for analysis.

## 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). The elements analyzed and their lower limits of determination are listed in Table 1. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting 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). Analytical data for samples from the Italian Peak and Italian Peak Middle Roadless Areas are listed in Tables 3-6.

**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 Italian Peak and Italian Peak Middle Roadless Areas are summarized in table 2.

**Table 2.--Chemical methods used**

| Sample type                | Constituent determined           | Analytical method          | Determination limit <sup>1</sup> | Analyst                                | Reference                   |
|----------------------------|----------------------------------|----------------------------|----------------------------------|--|-----------------------------|
| Rocks and stream sediments | As                               | AA                         | 5 ppm                            | W. L. Campbell                         | Modification of Viets, 1978 |
|                            | Cu, Pb, Zn, Ag                   | AA                         | 5 ppm                            | W. L. Campbell                         | Modification of Viets, 1978 |
|                            | Cd                               | AA                         | 0.1 ppm                          | W. L. Campbell                         | Modification of Viets, 1978 |
|                            | Bi                               | AA                         | 1 ppm                            | W. L. Campbell                         | Modification of Viets, 1978 |
|                            | Sb                               | AA                         | 2 ppm                            | W. L. Campbell                         | Modification of Viets, 1978 |
|                            | U, Th                            | Delayed neutron activation | variable                         | USGS Branch of Analytical Laboratories | Millard and Keeton, 1982    |
| Panned concentrates        | Au                               | AA                         | 0.05 ppm                         | W. L. Campbell                         | Thompson and others, 1968   |
| Waters                     | 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 <sub>4</sub> <sup>=</sup> ,   | Ion Chromatography         | 0.1 mg/L                         | J. B. McHugh                           | Miller and others, 1982     |
|                            | Cl <sup>-</sup> , F <sup>-</sup> | Ion Chromatography         | .01 mg/L                         | J. B. McHugh                           | Miller and others, 1982     |
|                            | specific conductance             | Conductivity bridge        | N/A                              | J.B. McHugh                            | Miller and others, 1982     |

<sup>1</sup>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 the required sample weight.

<sup>2</sup>Untreated water samples were analyzed for anions, U, and conductance. Filtered and acidified water samples were analyzed for other metals.



## 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).

## REFERENCES CITED

- Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Millard, H. J., Jr., and Keaten, B. A., 1982, Precision of uranium and thorium determinations by delayed neutron counting: *Journal of Radioanalytical Chemistry*, v. 72, no. 1-2, pp. 489-500.
- Miller, W. B., Ficklin, W. H., and Learned, R. E., 1982, Hydrogeochemical prospecting for porphyry copper deposits in the tropical-marine climate of Puerto Rico: *Journal of Geochemical Exploration*, v. 16, p. 217-233.
- Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.
- Skip, Betty, Antweiler, J. C., Kulik, D. M., Lambeth, R. H., and Mayerle, R. T., 1983, Mineral resource potential map of the Italian Peak and Italian Peak Middle Roadless Areas, Beaverhead County, Montana, and Clark and Lemhi Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1601-A, scale 1:62,500.
- Scintrex Corporation, 1978, UA-3 Uranium Analyzer: Toronto, Canada, 45 p.
- Thompson, C. E., Nakagawa, H. M., and Van Sickle, G. H., 1968, Rapid analysis for gold in geologic materials, *in* Geological Survey research 1968: U.S. Geological Survey Professional Paper 600-B, p. B130-B132.
- VanTrump, George, Jr., and Miesch, A. T., 1976, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: *Computers and Geosciences*, v. 3, p. 475-488.
- Viets, J. G., 1978, Determination of silver, bismuth, cadmium, copper, lead, and zinc in geologic materials by atomic absorption spectrometry with tricaprylylmethylammonium chloride: *Analytical Chemistry*, v. 50, p. 1097-1101.

Table 3.--Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana [N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.] ("S" under column title denotes spectrographic analysis, "aa" denotes atomic absorption analysis)

| Sample   | Latitude | Longitude | Fe-pct.<br>% | Mg-pct.<br>% | Ca-pct.<br>% | Ti-pct.<br>% | Mn-ppm<br>S | Ag-ppm<br>S | As-ppm<br>S | Au-ppm<br>S | R-ppm<br>S | Ba-ppm<br>S |
|----------|----------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|
| IPW0006S | 44 19 27 | 112 48 55 | 3.0          | 1.0          | 7.00         | .30          | 500         | .5          | N           | N           | 200        | 200         |
| IPW0008S | 44 19 12 | 112 47 51 | 1.5          | 1.0          | 10.00        | .15          | 300         | N           | N           | N           | 100        | 150         |
| IPW0009S | 44 19 5  | 112 48 1  | 2.0          | 1.0          | 2.00         | .20          | 1,000       | <.5         | N           | N           | 150        | 700         |
| IPW0010S | 44 18 50 | 112 46 46 | 3.0          | 1.0          | 7.00         | .30          | 1,000       | N           | N           | N           | 200        | 500         |
| IPW0013S | 44 18 13 | 112 46 21 | 3.0          | .7           | 2.00         | .30          | 1,000       | <.5         | N           | N           | 200        | 500         |
| IPW0015S | 44 13 18 | 112 46 27 | 3.0          | .7           | 2.00         | .50          | 1,000       | <.5         | N           | N           | 200        | 300         |
| IPW0020S | 44 21 59 | 112 48 50 | .5           | .7           | 3.00         | .10          | 200         | <.5         | N           | N           | 100        | 150         |
| IPW0023S | 44 22 17 | 112 47 35 | 3.0          | 1.0          | 1.00         | .50          | 700         | N           | N           | N           | 100        | 700         |
| IPW0026S | 44 21 31 | 112 46 30 | 3.0          | 5.0          | 15.00        | .20          | 300         | N           | N           | N           | 20         | 200         |
| IPW0028S | 44 21 36 | 112 46 30 | 2.0          | 1.5          | 10.00        | .30          | 300         | .5          | N           | N           | 150        | 500         |
| IPW0030S | 44 21 19 | 112 47 20 | 2.0          | 1.5          | 5.00         | .30          | 700         | N           | N           | N           | 200        | 500         |
| IPW0031S | 44 21 20 | 112 47 34 | 3.0          | 5.0          | 15.00        | .30          | 500         | N           | N           | N           | 50         | 300         |
| IPW0032S | 44 21 20 | 112 46 42 | 1.5          | 7.0          | 3.00         | .20          | 300         | N           | N           | N           | 150        | 300         |
| IPW0033S | 44 21 24 | 112 45 16 | 3.0          | 7.0          | 7.00         | .30          | 200         | N           | N           | N           | 100        | 500         |
| IPW0035S | 44 21 48 | 112 44 11 | 5.0          | 3.0          | 7.00         | .50          | 700         | N           | N           | N           | 200        | 300         |
| IPW0041S | 44 23 0  | 112 53 30 | 10.0         | 3.0          | 1.00         | 1.00         | 700         | .7          | N           | N           | 30         | 1,500       |
| IPW0045S | 44 23 37 | 112 53 40 | 3.0          | 1.0          | 2.00         | .15          | 300         | 2.0         | N           | N           | 150        | 300         |
| IPW0049S | 44 23 37 | 112 53 40 | 5.0          | 3.0          | 5.00         | .50          | 700         | .7          | N           | N           | 150        | 700         |
| IPW0051S | 44 23 37 | 112 53 40 | >20.0        | .7           | .50          | .07          | 1,000       | 1.0         | N           | N           | 15         | 150         |
| IPW0053S | 44 23 26 | 112 52 7  | 3.0          | 5.0          | 3.00         | .70          | 700         | 1.5         | N           | N           | 70         | 1,000       |
| IPW0057S | 44 22 45 | 112 51 12 | 7.0          | 7.0          | 5.00         | 1.00         | 1,000       | N           | N           | N           | 30         | 500         |
| IPW0059S | 44 22 40 | 112 50 50 | 7.0          | 7.0          | 1.50         | .70          | 700         | <.5         | N           | N           | 20         | 300         |
| IPW0062S | 44 23 25 | 112 51 0  | 7.0          | 7.0          | 2.00         | .70          | 1,000       | N           | N           | N           | 20         | 300         |
| IPW0064S | 44 24 7  | 112 51 6  | 7.0          | 7.0          | 3.00         | .70          | 1,000       | .5          | N           | N           | 50         | 700         |
| IPW0070S | 44 23 33 | 112 49 10 | 3.0          | 2.0          | 7.00         | .50          | 700         | N           | N           | N           | 70         | 300         |
| IPW0074S | 44 26 10 | 112 51 40 | 7.0          | 7.0          | 5.00         | 1.00         | 700         | N           | N           | N           | 20         | 500         |
| IPW0081S | 44 17 29 | 112 42 18 | 2.0          | 1.0          | 10.00        | .20          | 300         | <.5         | N           | N           | 100        | 300         |
| IPW0086S | 44 17 5  | 112 42 18 | 5.0          | 3.0          | 7.00         | .50          | 700         | <.5         | N           | N           | 100        | 1,000       |
| IPW09S   | 44 24 4  | 112 56 36 | 3.0          | 2.0          | 2.00         | .50          | 1,000       | <.5         | N           | N           | 100        | 700         |
| IPW90S   | 44 23 58 | 112 56 32 | 3.0          | 1.5          | 2.00         | .50          | 1,000       | <.5         | N           | N           | 100        | 700         |
| IPW93S   | 44 24 17 | 112 58 26 | 2.0          | .3           | .50          | .70          | 300         | N           | N           | N           | 70         | 500         |
| IPW95S   | 44 24 13 | 112 58 25 | 3.0          | 3.0          | 7.00         | .50          | 700         | N           | N           | N           | 100        | 500         |
| IPW144S  | 44 30 8  | 112 59 20 | 7.0          | 5.0          | 1.00         | 1.00         | 1,000       | N           | N           | N           | 30         | 700         |
| IPW146S  | 44 30 22 | 112 58 55 | 3.0          | 5.0          | 1.00         | .50          | 1,000       | <.5         | N           | N           | 30         | 500         |
| IPW150S  | 44 31 11 | 112 57 54 | 2.0          | 1.0          | 1.50         | .30          | 700         | <.5         | N           | N           | 150        | 200         |
| IPW0151S | 44 27 33 | 113 1 45  | 3.0          | .7           | .70          | .70          | 700         | N           | N           | N           | 50         | 700         |
| IPW0153S | 44 27 55 | 113 1 50  | 2.0          | .3           | .70          | .20          | 1,000       | N           | N           | N           | 50         | 1,000       |
| IPW0155S | 44 28 27 | 113 2 15  | 1.5          | .3           | .70          | .20          | 700         | <.5         | N           | N           | 50         | 700         |
| IPW0157S | 44 28 13 | 113 2 22  | 3.0          | 1.0          | 1.00         | .70          | 700         | N           | N           | N           | 70         | 700         |
| IPW0170S | 44 26 31 | 113 0 13  | 5.0          | .3           | .07          | .20          | 5,000       | N           | N           | N           | 150        | 1,000       |
| IPW0171S | 44 26 31 | 113 0 13  | 5.0          | .3           | .05          | .20          | >5,000      | N           | N           | N           | 200        | >5,000      |
| IPW0181S | 44 25 39 | 113 2 25  | 3.0          | .7           | .70          | .50          | 1,000       | N           | N           | N           | 20         | 700         |
| IPW0183S | 44 25 44 | 113 2 42  | 2.0          | .7           | .50          | .70          | 500         | N           | N           | N           | 50         | 700         |
| IPW201S  | 44 25 41 | 112 58 59 | 7.0          | 7.0          | 2.00         | .70          | 1,000       | N           | N           | N           | 20         | 700         |
| IPW301S  | 44 23 0  | 112 52 56 | 5.0          | 1.0          | .50          | .50          | 700         | 1.0         | N           | N           | 100        | 1,500       |

Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample   | Ue-ppm<br>s | Bi-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| IPW0000S | 2.0         | N           | N           | 10          | 150         | 30          | 30          | N           | <20         | 70          | 20          |
| IPW0003S | 2.0         | N           | N           | N           | 100         | 10          | 30          | N           | N           | 70          | 20          |
| IPW0009S | 1.5         | N           | N           | 7           | 100         | 20          | 30          | N           | N           | 30          | 50          |
| IPW0010S | 2.0         | N           | N           | 7           | 70          | 30          | 50          | N           | N           | 50          | 50          |
| IPW0013S | 1.5         | N           | N           | 10          | 150         | 30          | 50          | 7           | <20         | 70          | 50          |
| IPW0015S | 1.5         | N           | N           | 7           | 150         | 30          | 50          | 7           | <20         | 70          | 30          |
| IPW0020S | 2.0         | N           | N           | N           | 70          | 20          | 30          | N           | N           | 30          | 30          |
| IPW0023S | 1.5         | N           | N           | 10          | 150         | 50          | 50          | 10          | <20         | 100         | 50          |
| IPW0026S | 1.0         | N           | N           | 15          | 200         | 30          | 20          | N           | <20         | 150         | 10          |
| IPW0028S | 2.0         | N           | N           | 7           | 100         | 20          | 30          | <5          | <20         | 50          | 30          |
| IPW0030S | 2.0         | N           | N           | 10          | 100         | 30          | 50          | N           | <20         | 70          | 30          |
| IPW0031S | <1.0        | N           | N           | 15          | 200         | 30          | 30          | N           | N           | 100         | 15          |
| IPW0032S | 2.0         | N           | N           | 5           | 100         | 30          | 30          | N           | N           | 200         | 30          |
| IPW0033S | 2.0         | N           | N           | 7           | 70          | 20          | 30          | 10          | <20         | 150         | 50          |
| IPW0035S | 1.0         | N           | N           | 15          | 150         | 50          | 50          | N           | <20         | 100         | 30          |
| IPW0041S | 1.5         | N           | N           | 50          | 500         | 100         | 100         | N           | 50          | 200         | 200         |
| IPW0045S | 1.5         | N           | N           | 7           | 70          | 30          | 30          | 300         | N           | 100         | 1,000       |
| IPW0049S | 2.0         | N           | N           | 20          | 200         | 70          | 100         | 30          | 20          | 200         | 70          |
| IPW0051S | 3.0         | N           | N           | 15          | 70          | 50          | <20         | 100         | N           | 200         | 300         |
| IPW0053S | 1.5         | N           | N           | 15          | 200         | 50          | 70          | N           | 20          | 150         | 150         |
| IPW0057S | 1.5         | N           | N           | 50          | 700         | 50          | 70          | N           | 50          | 300         | 10          |
| IPW0059S | 1.0         | N           | N           | 50          | 500         | 70          | 50          | N           | 30          | 200         | 15          |
| IPW0062S | 1.0         | N           | N           | 50          | 500         | 70          | 30          | N           | <20         | 200         | 15          |
| IPW0064S | 1.0         | N           | N           | 30          | 700         | 50          | 50          | N           | 30          | 200         | 20          |
| IPW0070S | 1.5         | N           | N           | 15          | 150         | 30          | 30          | N           | 20          | 70          | 30          |
| IPW0074S | 1.0         | N           | N           | 30          | 700         | 50          | 70          | N           | 50          | 150         | 20          |
| IPW0081S | 1.5         | N           | N           | 7           | 70          | 20          | 30          | 10          | N           | 100         | 30          |
| IPW0086S | 2.0         | N           | N           | 20          | 500         | 30          | 50          | <5          | <20         | 200         | 20          |
| IPW88S   | 2.0         | N           | N           | 15          | 200         | 30          | 50          | N           | 20          | 100         | 500         |
| IPW90S   | 2.0         | N           | N           | 15          | 150         | 30          | 30          | 7           | 20          | 70          | 150         |
| IPW93S   | 2.0         | N           | N           | 5           | 50          | 7           | 100         | N           | 50          | 7           | 15          |
| IPW95S   | 1.5         | N           | N           | 15          | 100         | 30          | 100         | 20          | 30          | 150         | 70          |
| IPW144S  | 1.0         | N           | N           | 20          | 700         | 50          | 50          | N           | 30          | 300         | 20          |
| IPW146S  | 1.5         | N           | N           | 15          | 700         | 50          | 50          | N           | <20         | 200         | 15          |
| IPW150S  | 1.5         | N           | N           | 7           | 100         | 20          | 30          | N           | N           | 70          | 30          |
| IPW0151S | 2.0         | N           | N           | 7           | 70          | 20          | 150         | 7           | 100         | 15          | 50          |
| IPW0153S | 7.0         | N           | N           | 5           | 20          | 15          | 200         | N           | 30          | 7           | 20          |
| IPW0155S | 7.0         | N           | N           | <5          | 50          | 10          | 150         | N           | 20          | 5           | 20          |
| IPW0157S | 2.0         | N           | N           | 10          | 70          | 20          | 100         | 7           | 50          | 15          | 30          |
| IPW0170S | 5.0         | N           | N           | 30          | 30          | 100         | 100         | 15          | 30          | 30          | 700         |
| IPW0171S | 5.0         | N           | N           | 200         | 15          | 150         | 150         | 300         | 50          | 70          | 2,000       |
| IPW0181S | 1.5         | N           | N           | <5          | 15          | 15          | 150         | N           | 30          | 5           | 30          |
| IPW0183S | 1.5         | N           | N           | 5           | 20          | 15          | 150         | 7           | 70          | 5           | 30          |
| IPW201S  | <1.0        | N           | N           | 50          | 700         | 70          | 50          | N           | 30          | 200         | 15          |
| IPW301S  | 1.5         | N           | N           | 15          | 100         | 100         | 30          | 200         | <20         | 300         | 100         |

Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample   | Sb-ppm<br>s | Sc-ppm<br>s | Sn-ppm<br>s | Sr-ppm<br>s | V-ppm<br>s | W-ppm<br>s | Y-ppm<br>s | Zn-ppm<br>s | Zr-ppm<br>s | Th-ppm<br>s |
|----------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|
| IPW0006S | N           | 7           | N           | 150         | 100        | N          | 30         | N           | 200         | N           |
| IPW0008S | N           | 5           | N           | 150         | 50         | N          | 20         | N           | 150         | N           |
| IPW0009S | N           | 5           | N           | 150         | 70         | N          | 20         | N           | 300         | N           |
| IPW0010S | N           | 7           | N           | 200         | 100        | N          | 30         | 200         | 150         | N           |
| IPW0013S | N           | 10          | N           | 150         | 200        | N          | 30         | 300         | 200         | N           |
| IPW0015S | N           | 10          | N           | 150         | 200        | N          | 30         | 300         | 300         | N           |
| IPW0020S | N           | <5          | N           | N           | 70         | N          | 20         | N           | 70          | N           |
| IPW0023S | N           | 10          | N           | <100        | 200        | N          | 30         | N           | 300         | N           |
| IPW0026S | N           | 7           | N           | 200         | 70         | N          | 15         | 500         | 30          | N           |
| IPW0028S | N           | 7           | N           | 100         | 100        | N          | 30         | N           | 100         | N           |
| IPW0030S | N           | 7           | N           | 100         | 100        | N          | 30         | N           | 150         | N           |
| IPW0031S | N           | 7           | N           | 200         | 70         | N          | 20         | N           | 70          | N           |
| IPW0032S | N           | 7           | N           | 100         | 100        | N          | 20         | 1,000       | 100         | N           |
| IPW0033S | N           | 7           | N           | 100         | 200        | N          | 20         | 700         | 150         | N           |
| IPW0035S | N           | 10          | N           | 100         | 200        | N          | 20         | N           | 150         | N           |
| IPW0041S | N           | 20          | N           | N           | 200        | N          | 30         | 500         | 150         | N           |
| IPW0045S | N           | 5           | N           | N           | 1,500      | N          | 20         | 700         | 100         | N           |
| IPW0049S | N           | 15          | N           | 200         | 300        | N          | 50         | 500         | 150         | N           |
| IPW0051S | N           | 5           | N           | N           | 70         | N          | 20         | 5,000       | 30          | N           |
| IPW0053S | N           | 15          | N           | 150         | 150        | N          | 30         | 700         | 150         | N           |
| IPW0057S | N           | 15          | N           | 150         | 150        | N          | 20         | 1,000       | 150         | N           |
| IPW0059S | N           | 15          | N           | N           | 150        | N          | 20         | N           | 100         | N           |
| IPW0062S | N           | 10          | N           | N           | 150        | N          | 15         | <200        | 50          | N           |
| IPW0064S | N           | 15          | N           | 100         | 200        | N          | 30         | <200        | 100         | N           |
| IPW0070S | N           | 10          | N           | 100         | 100        | N          | 20         | N           | 150         | N           |
| IPW0074S | N           | 10          | N           | <100        | 150        | N          | 30         | N           | 200         | N           |
| IPW0081S | N           | 5           | N           | 150         | 150        | N          | 20         | 300         | 70          | N           |
| IPW0086S | N           | 10          | N           | 300         | 150        | N          | 30         | 500         | 100         | N           |
| IPW08S   | N           | 10          | N           | 200         | 150        | N          | 30         | 200         | 200         | N           |
| IPW90S   | N           | 10          | N           | 200         | 150        | N          | 30         | <200        | 200         | N           |
| IPW93S   | N           | 5           | N           | N           | 30         | N          | 150        | N           | 700         | N           |
| IPW95S   | N           | 7           | N           | 150         | 300        | N          | 100        | <200        | 300         | N           |
| IPW144S  | N           | 20          | N           | 150         | 150        | N          | 20         | N           | 150         | N           |
| IPW146S  | N           | 10          | N           | 150         | 100        | N          | 20         | N           | 50          | N           |
| IPW150S  | N           | 10          | N           | 150         | 100        | N          | 20         | 200         | 100         | N           |
| IPW0151S | N           | 7           | N           | 150         | 70         | N          | 70         | N           | 300         | N           |
| IPW0153S | N           | 7           | N           | N           | 30         | N          | 70         | N           | 300         | N           |
| IPW0155S | N           | 5           | N           | N           | 50         | N          | 50         | N           | 200         | N           |
| IPW0157S | N           | 5           | N           | 200         | 70         | N          | 100        | N           | 500         | N           |
| IPW0170S | N           | 7           | N           | N           | 100        | N          | 30         | 500         | 300         | N           |
| IPW0171S | N           | 7           | N           | 200         | 200        | <50        | 50         | 700         | 300         | N           |
| IPW0181S | N           | 5           | N           | 100         | 50         | N          | 70         | N           | 1,000       | N           |
| IPW0183S | N           | 5           | <10         | 100         | 50         | N          | 100        | N           | >1,000      | N           |
| IPW201S  | N           | 15          | N           | 200         | 150        | N          | 20         | N           | 70          | N           |
| IPW301S  | N           | 10          | N           | <100        | 1,000      | N          | 50         | 500         | 200         | N           |

Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample   | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-Act-TH<br>(ppm) | N-Act-U<br>(ppm) |
|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| IPW0006S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0008S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0009S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0010S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0013S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0015S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0020S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0023S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0026S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0028S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0030S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0031S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0032S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0033S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0035S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0041S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0045S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0049S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0051S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0053S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0057S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0059S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0062S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0064S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0070S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0074S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0081S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0086S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW88S   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW90S   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW93S   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW95S   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW144S  | --           | >100         | 12           | >100         | .20          | .7           | <1           | <1           | --                | --               |
| IPW146S  | --           | >100         | 8            | >100         | .40          | .5           | <1           | <1           | --                | --               |
| IPW150S  | --           | 21           | 13           | >100         | .35          | 3.8          | <1           | <1           | --                | --               |
| IPW0151S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0153S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0155S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0157S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0170S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0171S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0181S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW0183S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW201S  | --           | >100         | 5            | >100         | .05          | .3           | <1           | <1           | --                | --               |
| IPW301S  | --           | --           | --           | --           | --           | --           | --           | --           | <10.00            | 21.20            |

Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Latitude | Longitude | Fe-pct.<br>% | Mg-pct.<br>% | Ca-pct.<br>% | Ti-pct.<br>% | Mn-ppm<br>S | Ag-ppm<br>S | As-ppm<br>S | Au-ppm<br>S | B-ppm<br>S | Ba-ppm<br>S |
|---------|----------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|
| IPW308S | 44 22 17 | 112 53 16 | 3.0          | 3.0          | 5.00         | .50          | 700         | .7          | N           | N           | 100        | 500         |
| IPW309S | 44 22 14 | 112 53 33 | 2.0          | 3.0          | 5.00         | .20          | 700         | <.5         | N           | N           | 70         | 300         |
| IPW310S | 44 21 37 | 112 53 46 | 2.0          | 2.0          | 7.00         | .30          | 700         | .7          | N           | N           | 100        | 300         |
| IPW311S | 44 20 52 | 112 55 57 | 3.0          | 2.0          | 7.00         | .50          | 1,000       | <.5         | N           | N           | 100        | 500         |
| IPW313S | 44 20 30 | 112 56 22 | 2.0          | .7           | .70          | .30          | 700         | <.5         | N           | N           | 70         | 300         |
| IPW318S | 44 23 53 | 112 53 3  | 3.0          | 2.0          | 3.00         | .50          | 1,000       | N           | N           | N           | 100        | 300         |
| IPW323S | 44 23 44 | 112 53 33 | 2.0          | 1.0          | 1.50         | .30          | 700         | N           | N           | N           | 100        | 300         |
| IPW324S | 44 23 27 | 112 53 35 | 3.0          | 3.0          | 5.00         | .50          | 1,000       | 1.0         | N           | N           | 100        | 500         |
| IPW325S | 44 28 58 | 112 54 30 | 3.0          | 2.0          | 2.00         | .30          | 1,000       | N           | N           | N           | 20         | 1,000       |
| IPW326S | 44 28 8  | 112 54 54 | 7.0          | 3.0          | 3.00         | 1.00         | 1,500       | N           | N           | N           | 20         | 700         |
| IPW328S | 44 26 48 | 112 55 29 | 3.0          | 3.0          | 1.50         | .70          | 700         | .7          | N           | N           | 70         | 500         |
| IPW333S | 44 27 11 | 112 59 22 | 3.0          | 1.5          | .50          | .50          | 1,000       | N           | N           | N           | 70         | 500         |
| IPW334S | 44 32 33 | 112 59 38 | 5.0          | 5.0          | 2.00         | .70          | 700         | N           | N           | N           | 50         | 200         |
| IPW335S | 44 33 22 | 112 59 27 | 7.0          | 7.0          | 2.00         | .70          | 1,000       | N           | N           | N           | 20         | 500         |
| IPW337S | 44 33 42 | 112 59 28 | 5.0          | 7.0          | 2.00         | .50          | 1,000       | N           | N           | N           | 50         | 200         |
| IPW339S | 44 25 58 | 112 48 37 | 2.0          | 1.0          | 10.00        | .30          | 500         | .7          | N           | N           | 150        | 500         |
| IPW340S | 44 26 2  | 112 48 43 | 1.0          | .7           | 20.00        | .20          | 300         | .7          | N           | N           | 70         | 200         |
| IPW342S | 44 24 3  | 112 46 54 | 7.0          | 7.0          | 3.00         | .70          | 700         | N           | N           | N           | 150        | 700         |
| IPW344S | 44 23 50 | 112 46 54 | 5.0          | 1.5          | 2.00         | .70          | 500         | <.5         | N           | N           | 200        | 1,000       |
| IPW353S | 44 17 45 | 112 40 58 | 2.0          | 2.0          | 20.00        | .30          | 500         | 1.0         | N           | N           | 70         | 500         |
| IPW359S | 44 17 40 | 112 44 7  | 2.0          | 1.5          | 7.00         | .30          | 1,000       | .7          | N           | N           | 150        | 1,000       |
| IPW362S | 44 20 23 | 112 50 52 | 3.0          | 3.0          | 15.00        | .30          | 700         | 5.0         | N           | N           | 200        | 1,000       |
| IPW363S | 44 20 18 | 112 51 4  | 3.0          | 2.0          | 15.00        | .30          | 700         | 5.0         | N           | N           | 200        | 1,000       |
| IPW364S | 44 21 45 | 112 56 15 | 3.0          | 1.5          | 7.00         | .50          | 1,000       | .5          | N           | N           | 200        | 500         |
| IPW366S | 44 21 55 | 112 56 30 | 20.0         | 1.5          | 2.00         | .30          | 1,000       | N           | N           | N           | 30         | 200         |
| IPW367S | 44 21 32 | 112 56 58 | 3.0          | 1.5          | 2.00         | .50          | 1,500       | N           | N           | N           | 200        | 700         |
| IPW371S | 44 20 45 | 112 54 42 | 3.0          | 2.0          | 7.00         | .50          | 2,000       | N           | N           | N           | 150        | 700         |
| IPW372S | 44 24 44 | 112 57 49 | 3.0          | .3           | .50          | .70          | 1,500       | N           | N           | N           | 100        | 500         |
| IPW374S | 44 19 15 | 112 41 45 | 3.0          | .7           | 1.50         | .50          | 700         | .5          | N           | N           | 200        | 700         |
| IPW375S | 44 19 20 | 112 41 37 | 3.0          | .5           | 1.50         | .30          | 700         | <.5         | N           | N           | 150        | 700         |
| IPW377S | 44 17 29 | 112 41 4  | .7           | .5           | 5.00         | .20          | 150         | .5          | N           | N           | 100        | 500         |
| IPW379S | 44 17 49 | 112 38 58 | 3.0          | 1.0          | 2.00         | .50          | 1,000       | N           | N           | N           | 150        | 700         |
| IPW381S | 44 20 38 | 112 39 45 | 3.0          | 1.5          | 15.00        | .30          | 1,000       | N           | N           | N           | 100        | 700         |
| IPW382S | 44 21 52 | 112 41 14 | 3.0          | 2.0          | 3.00         | .50          | 300         | N           | N           | N           | 150        | 500         |
| IPW384S | 44 21 34 | 112 40 3  | 3.0          | 1.0          | 3.00         | .50          | 500         | N           | N           | N           | 150        | 700         |
| IPW385S | 44 23 20 | 112 46 9  | 3.0          | .7           | 1.00         | .50          | 1,000       | <.5         | N           | N           | 200        | 1,000       |
| IPW412S | 44 25 45 | 113 0 15  | 2.0          | .3           | .20          | .50          | 300         | N           | N           | N           | 70         | 500         |
| IPW414S | 44 24 33 | 113 1 38  | 1.0          | .2           | .20          | .30          | 300         | N           | N           | N           | 50         | 300         |
| IPW421S | 44 21 13 | 112 41 15 | 2.0          | .7           | 3.00         | .20          | 200         | <.5         | N           | N           | 100        | 150         |

Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas,  
Idaho-Montana--continued

| Sample  | Be-ppm<br>s | Bi-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| IPW308S | <1.0        | N           | N           | 15          | 500         | 50          | 50          | 50          | 20          | 300         | 30          |
| IPW309S | 1.5         | N           | N           | 10          | 100         | 30          | 20          | 15          | N           | 70          | 100         |
| IPW310S | 1.5         | N           | N           | 10          | 100         | 30          | 20          | 10          | N           | 100         | 50          |
| IPW311S | 1.5         | N           | N           | 10          | 100         | 30          | 30          | 10          | <20         | 100         | 70          |
| IPW313S | 1.5         | N           | N           | 7           | 70          | 20          | 30          | N           | <20         | 30          | 70          |
| IPW318S | 1.5         | N           | N           | 15          | 100         | 30          | 30          | 50          | <20         | 200         | 70          |
| IPW323S | 2.0         | N           | N           | 10          | 50          | 30          | 30          | 15          | 30          | 100         | 100         |
| IPW324S | 1.5         | N           | N           | 15          | 300         | 70          | 30          | 20          | 20          | 150         | 50          |
| IPW325S | 2.0         | N           | N           | 10          | 70          | 20          | 100         | N           | 30          | 20          | 30          |
| IPW326S | 1.0         | N           | N           | 20          | 150         | 20          | 100         | N           | 30          | 70          | 30          |
| IPW328S | 2.0         | N           | N           | 15          | 300         | 50          | 70          | 5           | 30          | 150         | 50          |
| IPW333S | 2.0         | N           | N           | 10          | 70          | 30          | 70          | N           | 70          | 20          | 70          |
| IPW334S | <1.0        | N           | N           | 20          | 700         | 30          | 50          | N           | 30          | 150         | 15          |
| IPW335S | N           | N           | N           | 30          | 700         | 50          | 50          | N           | 30          | 150         | 30          |
| IPW337S | <1.0        | N           | N           | 15          | 700         | 30          | 20          | N           | 30          | 100         | 20          |
| IPW339S | 7.0         | N           | N           | 7           | 150         | 20          | 20          | N           | <20         | 70          | 30          |
| IPW340S | <1.0        | N           | N           | <5          | 100         | 15          | 20          | N           | N           | 70          | 30          |
| IPW342S | 2.0         | N           | N           | 20          | 300         | 50          | 70          | N           | 50          | 200         | 30          |
| IPW344S | 3.0         | N           | N           | 15          | 150         | 30          | 50          | 7           | 20          | 300         | 30          |
| IPW353S | <1.0        | N           | N           | 7           | 150         | 30          | 20          | 5           | <20         | 70          | 100         |
| IPW359S | 2.0         | N           | N           | 7           | 100         | 3           | 50          | 20          | <20         | 70          | 150         |
| IPW362S | 1.0         | N           | N           | 7           | 300         | 150         | 50          | 10          | <20         | 150         | 70          |
| IPW363S | 1.0         | N           | N           | 7           | 300         | 100         | 50          | 10          | <20         | 150         | 70          |
| IPW364S | 2.0         | N           | N           | 7           | 100         | 20          | 30          | N           | <20         | 70          | 100         |
| IPW366S | <1.0        | N           | N           | 10          | 200         | 50          | 20          | N           | <20         | 150         | 1,000       |
| IPW367S | 2.0         | N           | N           | 7           | 150         | 30          | 50          | N           | <20         | 70          | 100         |
| IPW371S | 3.0         | N           | N           | 7           | 100         | 30          | 30          | N           | <20         | 50          | 500         |
| IPW372S | 7.0         | N           | N           | 10          | 70          | 20          | 300         | 10          | 100         | 20          | 50          |
| IPW374S | 3.0         | N           | N           | 7           | 150         | 50          | 30          | N           | <20         | 70          | 30          |
| IPW375S | 2.0         | N           | N           | 7           | 150         | 50          | 50          | N           | <20         | 70          | 20          |
| IPW377S | 1.5         | N           | N           | 5           | 50          | 7           | 30          | N           | <20         | 70          | 30          |
| IPW379S | 3.0         | N           | N           | 7           | 70          | 20          | 30          | N           | <20         | 20          | 30          |
| IPW381S | 2.0         | N           | N           | 7           | 70          | 30          | 30          | N           | <20         | 20          | 30          |
| IPW382S | 2.0         | N           | N           | 7           | 100         | 20          | 30          | N           | <20         | 100         | 50          |
| IPW394S | 3.0         | N           | N           | 7           | 100         | 30          | 30          | 7           | <20         | 200         | 30          |
| IPW385S | 3.0         | N           | N           | 7           | 100         | 20          | 30          | 5           | <20         | 70          | 70          |
| IPW412S | 3.0         | N           | N           | 5           | 10          | 30          | 100         | 7           | 50          | 7           | 30          |
| IPW414S | 5.0         | N           | N           | <5          | <10         | 15          | 100         | 7           | 30          | <5          | 30          |
| IPW421S | 3.0         | N           | N           | 20          | 30          | 50          | 50          | 70          | <20         | 200         | 50          |

Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas,  
Idaho-Montana--continued

| Sample   | Sb-ppm<br>S | Sc-ppm<br>S | Sn-ppm<br>S | Sr-ppm<br>S | V-ppm<br>S | W-ppm<br>S | Y-ppm<br>S | Zn-ppm<br>S | Zr-ppm<br>S | Th-ppm<br>S |
|----------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|
| IPW3108S | N           | 15          | N           | 300         | 300        | N          | 30         | 500         | 150         | N           |
| IPW3109S | N           | 5           | N           | <100        | 150        | N          | 20         | 200         | 150         | N           |
| IPW3110S | N           | 10          | N           | 200         | 150        | N          | 20         | 200         | 150         | N           |
| IPW3111S | N           | 10          | N           | 200         | 150        | N          | 30         | 200         | 200         | N           |
| IPW3113S | N           | 7           | N           | 100         | 70         | N          | 20         | N           | 200         | N           |
| IPW318S  | N           | 10          | N           | <100        | 200        | N          | 30         | 300         | 200         | N           |
| IPW323S  | N           | 5           | N           | <100        | 150        | N          | 30         | <200        | 200         | N           |
| IPW324S  | N           | 15          | N           | 200         | 300        | N          | 30         | 300         | 150         | N           |
| IPW325S  | N           | 10          | N           | 700         | 100        | N          | 30         | N           | 200         | N           |
| IPW326S  | N           | 20          | N           | 700         | 200        | N          | 50         | N           | 1,000       | N           |
| IPW328S  | N           | 10          | N           | N           | 150        | N          | 70         | 700         | 150         | N           |
| IPW333S  | N           | 7           | N           | N           | 70         | N          | 30         | N           | 150         | N           |
| IPW334S  | N           | 10          | N           | <100        | 100        | N          | 20         | N           | 100         | N           |
| IPW335S  | N           | 15          | N           | 300         | 150        | N          | 20         | N           | 150         | N           |
| IPW337S  | N           | 10          | N           | 150         | 100        | N          | 20         | N           | 100         | N           |
| IPW339S  | N           | 10          | N           | 300         | 150        | N          | 20         | N           | 100         | N           |
| IPW340S  | N           | 5           | N           | 500         | 70         | N          | 20         | N           | 100         | N           |
| IPW342S  | N           | 20          | N           | 200         | 200        | N          | 50         | N           | 300         | N           |
| IPW344S  | N           | 20          | N           | 150         | 200        | N          | 70         | 700         | 300         | N           |
| IPW353S  | N           | 7           | N           | 150         | 150        | N          | 50         | N           | 100         | N           |
| IPW359S  | N           | 7           | N           | 150         | 300        | N          | 30         | N           | 200         | N           |
| IPW362S  | N           | 15          | N           | 300         | 500        | N          | 70         | 700         | 100         | N           |
| IPW363S  | N           | 10          | N           | 300         | 300        | N          | 70         | 500         | 100         | N           |
| IPW364S  | N           | 7           | N           | 150         | 200        | N          | 50         | N           | 300         | N           |
| IPW366S  | N           | 7           | N           | N           | 300        | N          | 30         | 7,000       | 30          | N           |
| IPW367S  | N           | 10          | N           | 150         | 150        | N          | 50         | 200         | 300         | N           |
| IPW371S  | N           | 10          | N           | 150         | 150        | N          | 70         | 200         | 200         | N           |
| IPW372S  | N           | 7           | N           | 100         | 150        | N          | 150        | N           | 700         | N           |
| IPW374S  | N           | 10          | N           | 150         | 200        | N          | 50         | N           | 200         | N           |
| IPW375S  | N           | 10          | N           | 150         | 200        | N          | 70         | N           | 150         | N           |
| IPW377S  | N           | <5          | N           | N           | 100        | N          | 20         | 200         | 150         | N           |
| IPW379S  | N           | 10          | N           | 150         | 150        | N          | 30         | N           | 200         | N           |
| IPW381S  | N           | 10          | N           | 300         | 150        | N          | 30         | N           | 150         | N           |
| IPW382S  | N           | 7           | N           | 100         | 150        | N          | 30         | 200         | 200         | N           |
| IPW384S  | N           | 7           | N           | 150         | 200        | N          | 50         | 700         | 200         | N           |
| IPW385S  | N           | 7           | N           | 150         | 200        | N          | 70         | N           | 200         | N           |
| IPW412S  | N           | 5           | N           | N           | 50         | N          | 50         | N           | 200         | N           |
| IPW414S  | N           | 5           | N           | N           | 30         | N          | 50         | N           | 200         | N           |
| IPW421S  | N           | 7           | N           | N           | 200        | N          | 30         | 1,000       | 70          | N           |



Table 3.-- Analytical data for stream sediments from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-Act-TH<br>(ppm) | N-Act-U<br>(ppm) |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| IPW308S | --           | --           | --           | --           | --           | --           | --           | --           | 11.00             | 5.50             |
| IPW309S | --           | --           | --           | --           | --           | --           | --           | --           | 9.67              | 4.94             |
| IPW310S | --           | --           | --           | --           | --           | --           | --           | --           | 9.08              | 3.40             |
| IPW311S | --           | --           | --           | --           | --           | --           | --           | --           | 6.90              | 3.36             |
| IPW313S | --           | --           | --           | --           | --           | --           | --           | --           | 8.71              | 2.78             |
| IPW318S | --           | --           | --           | --           | --           | --           | --           | --           | 9.33              | 5.07             |
| IPW323S | --           | --           | --           | --           | --           | --           | --           | --           | 14.30             | 5.70             |
| IPW324S | --           | --           | --           | --           | --           | --           | --           | --           | 9.00              | 5.53             |
| IPW325S | --           | --           | --           | --           | --           | --           | --           | --           | 22.50             | 8.68             |
| IPW326S | --           | --           | --           | --           | --           | --           | --           | --           | 13.50             | 4.65             |
| IPW328S | --           | --           | --           | --           | --           | --           | --           | --           | 17.80             | 6.49             |
| IPW333S | --           | --           | --           | --           | --           | --           | --           | --           | 22.50             | 4.58             |
| IPW334S | --           | --           | --           | --           | --           | --           | --           | --           | 10.20             | 3.28             |
| IPW335S | --           | --           | --           | --           | --           | --           | --           | --           | 15.80             | 3.11             |
| IPW337S | --           | --           | --           | --           | --           | --           | --           | --           | 11.40             | 2.97             |
| IPW339S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW340S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW342S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW344S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW353S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW359S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW362S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW363S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW364S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW366S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW367S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW371S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW372S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW374S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW375S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW377S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW379S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW381S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW382S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW384S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW385S | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW412S | 10           | --           | --           | 60           | --           | .2           | N            | N            | --                | --               |
| IPW414S | 10           | --           | --           | 50           | --           | .2           | N            | N            | --                | --               |
| IPW421S | 65           | --           | --           | 1,100        | --           | 1.8          | N            | 20           | --                | --               |

Table 4.--Analytical data for panned concentrates from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.] ("S" under column title denotes spectrographic analysis, "aa" denotes atomic absorption analysis)

| Sample  | Latitude | Longitude | Fe-pct.<br>s | Yg-pct.<br>s | Ca-pct.<br>s | Ti-pct.<br>s | Mn-ppm<br>s | Ag-ppm<br>s | As-ppm<br>s | Au-ppm<br>s | B-ppm<br>s | Ba-ppm<br>s |
|---------|----------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|
| IPVSP   | 44 19 27 | 112 48 53 | 7.0          | 1.00         | 10.00        | 1.000        | 1,000       | <1          | N           | N           | 200        | 200         |
| IPW14P  | 44 18 18 | 112 46 27 | 5.0          | 1.00         | 2.00         | .700         | 700         | 5           | N           | N           | 300        | 300         |
| IPW19P  | 44 21 59 | 112 48 50 | .5           | 1.00         | 20.00        | .100         | 200         | <1          | N           | N           | 30         | <50         |
| IPW25P  | 44 21 31 | 112 46 30 | 2.0          | 5.00         | 20.00        | .200         | 700         | N           | N           | N           | N          | 10,000      |
| IPW27P  | 44 21 36 | 112 46 30 | 3.0          | 1.00         | 5.00         | .300         | 300         | N           | N           | N           | 100        | 500         |
| IPW48P  | 44 23 37 | 112 53 40 | 30.0         | .15          | .50          | .015         | 150         | N           | N           | N           | N          | 700         |
| IPW52P  | 44 23 26 | 112 52 7  | 7.0          | 3.00         | 3.00         | 1.000        | 1,500       | 1           | N           | N           | 70         | 10,000      |
| IPW60P  | 44 22 40 | 112 50 50 | 7.0          | 7.00         | 2.00         | 1.000        | 1,000       | N           | N           | N           | <20        | >10,000     |
| IPW63P  | 44 24 7  | 112 51 6  | 5.0          | 5.00         | 7.00         | .700         | 1,500       | N           | N           | N           | <20        | >10,000     |
| IPW73P  | 44 26 7  | 112 51 40 | 5.0          | 7.00         | 5.00         | .700         | 1,500       | N           | N           | N           | <20        | 1,000       |
| IPW83P  | 44 17 29 | 112 42 18 | 3.0          | .70          | 2.00         | .500         | 150         | N           | N           | N           | 100        | 1,000       |
| IPW85P  | 44 17 11 | 112 42 18 | 10.0         | .50          | 1.00         | 1.000        | 300         | N           | N           | N           | 100        | 500         |
| IPW87P  | 44 24 4  | 112 56 36 | 7.0          | 10.00        | 7.00         | .700         | 1,500       | <1          | N           | N           | <20        | 150         |
| IPW145P | 44 30 5  | 112 59 20 | 7.0          | 7.00         | 2.00         | .700         | 2,000       | N           | N           | N           | 30         | 7,000       |
| IPW147P | 44 30 22 | 112 58 55 | 10.0         | 10.00        | 2.00         | 1.000        | 1,500       | N           | N           | N           | 70         | 1,500       |
| IPW149P | 44 30 29 | 112 58 54 | 15.0         | 7.00         | 3.00         | 1.500        | 1,500       | N           | N           | N           | 20         | 7,000       |
| IPW152P | 44 27 33 | 113 1 45  | 5.0          | 2.00         | 1.50         | 1.500        | 1,000       | N           | N           | N           | N          | 300         |
| IPW154P | 44 27 55 | 113 1 50  | 7.0          | .20          | .10          | 1.500        | 300         | N           | N           | N           | <20        | 200         |
| IPW156P | 44 28 27 | 113 2 15  | 15.0         | .20          | .15          | 2.000        | 700         | N           | N           | N           | <20        | 300         |
| IPW158P | 44 28 13 | 113 2 22  | 5.0          | 2.00         | 1.50         | 2.000        | 700         | N           | N           | N           | 20         | 300         |
| IPW182P | 44 25 39 | 113 2 25  | 20.0         | .50          | 1.00         | 2.000        | 2,000       | N           | N           | N           | N          | 300         |
| IPW184P | 44 25 44 | 113 2 42  | 3.0          | .20          | .20          | 2.000        | 500         | N           | N           | N           | 20         | 300         |
| IPW200P | 44 31 11 | 112 57 54 | 10.0         | 1.00         | 2.00         | .700         | 700         | N           | N           | N           | 300        | 300         |
| IPW202P | 44 25 41 | 112 58 59 | 2.0          | .30          | .15          | .700         | 100         | N           | N           | N           | 30         | 200         |
| IPW327P | 44 28 8  | 112 54 54 | 15.0         | 7.00         | 10.00        | 1.500        | 2,000       | N           | N           | N           | 20         | 1,500       |
| IPW329P | 44 26 48 | 112 55 29 | 10.0         | 2.00         | 1.50         | 2.000        | 1,500       | N           | N           | N           | 100        | 1,500       |
| IPW336P | 44 33 22 | 112 59 27 | 20.0         | 5.00         | 7.00         | 2.000        | 2,000       | N           | N           | N           | 50         | 5,000       |
| IPW338P | 44 33 42 | 112 59 28 | 7.0          | 5.00         | 10.00        | 1.000        | 1,500       | N           | N           | N           | 100        | 2,000       |
| IPW341P | 44 26 14 | 112 48 43 | 3.0          | 1.50         | 30.00        | .300         | 1,500       | N           | N           | N           | 150        | 300         |
| IPW343P | 44 24 3  | 112 46 54 | 10.0         | 5.00         | 2.00         | .700         | 2,000       | N           | N           | N           | 300        | 2,000       |
| IPW345P | 44 23 50 | 112 46 54 | 7.0          | 1.50         | .50          | .700         | 1,500       | N           | N           | N           | 500        | 700         |
| IPW351P | 44 20 58 | 112 41 17 | 3.0          | .70          | 1.00         | .300         | 500         | N           | N           | N           | 150        | 1,000       |
| IPW413P | 44 25 45 | 113 0 15  | 1.0          | .15          | <.10         | 1.000        | 70          | N           | N           | N           | 50         | 150         |
| IPW415P | 44 24 33 | 113 1 38  | 1.5          | .15          | <.10         | 1.000        | 70          | N           | N           | N           | 20         | 100         |
| IPW422P | 44 21 13 | 112 41 15 | 5.0          | .20          | 2.00         | .150         | 500         | 1           | N           | N           | 50         | 300         |

Table 4.-- Analytical data for panned concentrates from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample  | Be- $\mu$ m<br>S | Bi-ppm<br>S | Cd-ppm<br>S | Co-ppm<br>S | Cr-ppm<br>S | Cu-ppm<br>S | La-ppm<br>S | Mo-ppm<br>S | Nb-ppm<br>S | Ni-ppm<br>S | Pb-ppm<br>S | Sb-ppm<br>S |
|---------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| IPW5P   | 5                | N           | N           | 15          | 150         | 50          | 100         | N           | <50         | 70          | 50          | N           |
| IPW14P  | 3                | N           | N           | 10          | 200         | 30          | 100         | N           | N           | 70          | 50          | N           |
| IPW19P  | <2               | N           | N           | <10         | 50          | <10         | 50          | N           | N           | 30          | 20          | N           |
| IPW25P  | <2               | N           | N           | 10          | 500         | 50          | 50          | N           | N           | 100         | <20         | N           |
| IPW27P  | 2                | N           | N           | <10         | 150         | 10          | 50          | 10          | N           | 50          | 30          | N           |
| IPW48P  | N                | N           | N           | N           | 30          | 20          | N           | 150         | N           | 20          | 1,000       | N           |
| IPW52P  | 2                | N           | N           | 30          | 700         | 70          | 70          | N           | 50          | 200         | 200         | N           |
| IPW60P  | <2               | N           | N           | 30          | 3,000       | 150         | 70          | N           | <50         | 200         | <20         | N           |
| IPW63P  | <2               | N           | N           | 30          | 5,000       | 150         | 70          | N           | <50         | 200         | 20          | N           |
| IPW73P  | <2               | N           | N           | 20          | 1,000       | 100         | 70          | N           | 50          | 150         | 20          | N           |
| IPW83P  | 2                | N           | N           | N           | 50          | <10         | 50          | N           | <50         | 30          | 20          | N           |
| IPW85P  | <2               | N           | N           | 10          | 200         | 50          | 50          | <10         | 50          | 70          | 70          | N           |
| IPW87P  | <2               | N           | N           | 50          | 2,000       | 30          | <50         | <10         | 300         | 200         | 1,500       | N           |
| IPW145P | 2                | N           | N           | 50          | 1,500       | 70          | 100         | N           | 70          | 200         | <20         | N           |
| IPW147P | 3                | N           | N           | 50          | 500         | 70          | 100         | N           | 70          | 300         | 20          | N           |
| IPW149P | 2                | N           | N           | 50          | 3,000       | 300         | 100         | N           | 70          | 300         | <20         | N           |
| IPW152P | 3                | N           | N           | 15          | 150         | 10          | 500         | N           | 300         | 50          | 20          | N           |
| IPW154P | 3                | N           | N           | <10         | 30          | <10         | 100         | N           | 300         | <10         | 20          | N           |
| IPW156P | 5                | N           | N           | <10         | 100         | <10         | 150         | <10         | 300         | <10         | 30          | N           |
| IPW158P | 2                | N           | N           | 15          | 200         | <10         | 300         | N           | 300         | 20          | 20          | N           |
| IPW182P | 2                | N           | N           | <10         | 100         | <10         | 300         | N           | 150         | <10         | 70          | N           |
| IPW184P | 3                | N           | N           | <10         | 70          | <10         | 300         | N           | 200         | <10         | 20          | N           |
| IPW200P | 3                | N           | N           | 30          | 150         | 20          | 100         | N           | <50         | 100         | 50          | N           |
| IPW202P | 3                | N           | N           | N           | 30          | <10         | 100         | N           | 70          | 10          | <20         | N           |
| IPW327P | <2               | N           | N           | 70          | 200         | 30          | 70          | N           | 100         | 150         | 50          | N           |
| IPW329P | 3                | N           | N           | 20          | 500         | 50          | 100         | 15          | 1,000       | 150         | 70          | N           |
| IPW36P  | N                | N           | N           | 50          | 2,000       | 150         | 500         | N           | 70          | 150         | 70          | N           |
| IPW338P | <2               | N           | N           | 20          | 700         | 50          | 70          | N           | <50         | 200         | 50          | N           |
| IPW341P | 3                | N           | N           | 15          | 150         | 20          | 50          | N           | N           | 70          | 50          | N           |
| IPW343P | 3                | N           | N           | 50          | 700         | 70          | 70          | N           | 50          | 300         | 70          | N           |
| IPW345P | 5                | N           | N           | 30          | 200         | 50          | 70          | 15          | <50         | 500         | 70          | N           |
| IPW351P | 2                | N           | N           | 10          | 100         | 30          | 50          | 10          | N           | 150         | 50          | N           |
| IPW413P | <2               | N           | N           | N           | <20         | 20          | 500         | N           | 200         | N           | 70          | N           |
| IPW415P | <2               | N           | N           | N           | 30          | <10         | 500         | N           | 200         | N           | 50          | N           |
| IPW422P | <2               | N           | N           | <10         | 20          | 50          | 70          | 70          | <50         | 300         | 70          | N           |

Table 4.-- Analytical data for panned concentrates from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample  | Sc-dpm<br>s | Sn-dpm<br>s | Sr-dpm<br>s | V-dpm<br>s | W-dpm<br>s | Y-dpm<br>s | Zn-dpm<br>s | Zr-dpm<br>s | Th-dpm<br>s | Au-dpm<br>aa |
|---------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|--------------|
| IPW5P   | 15          | N           | 500         | 150        | N          | 100        | <500        | 500         | N           | <.05         |
| IPW14P  | 10          | N           | <200        | 200        | N          | 50         | N           | 500         | N           | <.05         |
| IPW19P  | N           | N           | N           | 30         | N          | <20        | N           | 70          | N           | <.05         |
| IPW25P  | <10         | N           | 500         | 50         | N          | 20         | N           | 200         | N           | <.05         |
| IPW27P  | <10         | N           | N           | 100        | N          | 30         | N           | 300         | N           | <.05         |
| IPW48P  | N           | N           | N           | 150        | N          | N          | N           | N           | N           | <.05         |
| IPW52P  | 15          | N           | 300         | 200        | N          | 50         | <500        | 150         | N           | <.05         |
| IPW60P  | 10          | N           | 700         | 150        | N          | 20         | N           | 150         | N           | <.05         |
| IPW63P  | 10          | N           | 500         | 200        | N          | 30         | N           | 200         | N           | <.05         |
| IPW73P  | 10          | N           | N           | 150        | N          | 30         | N           | 200         | N           | <.05         |
| IPW83P  | <10         | N           | N           | 100        | N          | 20         | N           | 500         | N           | <.05         |
| IPW85P  | <10         | N           | N           | 300        | N          | 200        | N           | 2,000       | N           | <.05         |
| IPW87P  | 50          | N           | <200        | 300        | N          | 100        | <500        | 2,000       | N           | N            |
| IPW145P | 20          | N           | 300         | 150        | N          | 20         | N           | 200         | N           | N            |
| IPW147P | 20          | N           | 200         | 200        | N          | 50         | N           | 150         | N           | N            |
| IPW149P | 20          | N           | 300         | 300        | N          | 50         | N           | 700         | N           | N            |
| IPW152P | N           | 70          | N           | 150        | N          | 300        | N           | >2,000      | N           | <.05         |
| IPW154P | N           | 100         | N           | 30         | N          | 200        | N           | >2,000      | N           | <.05         |
| IPW156P | <10         | 30          | N           | 70         | N          | 500        | N           | >2,000      | N           | <.05         |
| IPW158P | <10         | 50          | N           | 150        | N          | 200        | N           | >2,000      | N           | <.05         |
| IPW182P | N           | 30          | N           | 200        | N          | 500        | N           | >2,000      | N           | <.05         |
| IPW184P | N           | N           | N           | 70         | N          | 300        | N           | >2,000      | N           | <.05         |
| IPW200P | 15          | N           | 200         | 200        | N          | 70         | N           | 700         | N           | N            |
| IPW202P | <10         | N           | N           | 30         | N          | 150        | N           | 1,000       | N           | N            |
| IPW327P | 50          | N           | 500         | 500        | N          | 100        | N           | 300         | N           | N            |
| IPW329P | 15          | N           | N           | 300        | N          | 500        | N           | >2,000      | <200        | N            |
| IPW336P | 50          | N           | 300         | 1,000      | N          | 50         | N           | 700         | N           | N            |
| IPW338P | 20          | N           | 300         | 300        | N          | 20         | N           | 150         | N           | N            |
| IPW341P | 10          | N           | 500         | 200        | N          | 30         | N           | 100         | N           | N            |
| IPW343P | 15          | N           | 200         | 300        | N          | 70         | N           | 500         | N           | N            |
| IPW345P | 10          | N           | N           | 300        | N          | 50         | 1,000       | 300         | N           | N            |
| IPW351P | <10         | N           | N           | 200        | N          | 30         | N           | 150         | N           | N            |
| IPW413P | <10         | N           | N           | 30         | N          | 100        | N           | 1,000       | N           | <.05         |
| IPW415P | <10         | N           | N           | 20         | N          | 100        | N           | 700         | N           | <.05         |
| IPW422P | 10          | N           | N           | 200        | N          | 20         | 1,000       | 50          | N           | <.05         |

Table 5.--Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana [N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.] ("S" under column title denotes spectrographic analysis, "aa" denotes atomic absorption analysis)

| Sample | Latitude | Longitude | Fe-pct.<br>s | Mg-pct.<br>s | Ca-pct.<br>s | Ti-pct.<br>s | Mn-ppm<br>s | Ag-ppm<br>s | As-ppm<br>s | Au-ppm<br>s | B-ppm<br>s | Ba-ppm<br>s |
|--------|----------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|
| 101S81 | 44 25 9  | 112 55 1  | 5.00         | 5.00         | 7.00         | .500         | 1,500       | N           | N           | N           | 30         | 2,000       |
| 104S81 | 44 27 12 | 112 51 17 | .30          | .70          | >20.00       | .020         | 500         | N           | N           | N           | 10         | 100         |
| 105S81 | 44 27 3  | 112 51 38 | <.05         | .70          | 20.00        | .002         | 20          | N           | N           | N           | N          | N           |
| 107S80 | 44 21 2  | 112 53 51 | 7.00         | .15          | 10.00        | .002         | 150         | N           | N           | N           | N          | 20          |
| 109S81 | 44 26 24 | 112 52 30 | .05          | .70          | >20.00       | .002         | 50          | N           | N           | N           | N          | N           |
| 110S81 | 44 26 44 | 112 52 21 | .10          | .03          | .70          | .070         | 30          | N           | N           | N           | 10         | 70          |
| 111S81 | 44 22 24 | 112 51 44 | .15          | 1.00         | 15.00        | .030         | 500         | 1.0         | N           | N           | 15         | 150         |
| 113S81 | 44 22 45 | 112 51 46 | 7.00         | 5.00         | 5.00         | 1.000        | 1,000       | N           | N           | N           | 50         | 5,000       |
| 114S81 | 44 23 33 | 112 51 28 | 10.00        | 5.00         | 15.00        | 1.000        | 1,000       | N           | N           | N           | N          | 2,000       |
| 126S81 | 44 15 41 | 112 50 6  | .15          | .70          | >20.00       | .030         | 50          | N           | N           | N           | N          | 20          |
| 133S81 | 44 29 23 | 112 45 14 | .15          | .30          | >20.00       | .050         | 200         | N           | N           | N           | N          | 100         |
| 135S81 | 44 29 38 | 112 45 19 | .50          | 1.00         | >20.00       | .100         | 150         | N           | N           | N           | N          | 300         |
| 137S81 | 44 30 13 | 112 45 43 | 3.00         | .30          | 2.00         | .500         | 1,000       | N           | N           | N           | N          | 2,000       |
| 140S81 | 44 29 46 | 112 46 27 | 1.50         | .15          | .30          | .300         | 100         | N           | N           | N           | 10         | 1,500       |
| 151S81 | 44 22 37 | 112 56 23 | .10          | .70          | >20.00       | .020         | 150         | N           | N           | N           | 10         | 20          |
| 153S81 | 44 23 16 | 112 56 35 | .07          | .70          | >20.00       | .005         | 70          | N           | N           | N           | N          | <20         |
| 155S80 | 44 26 1  | 112 46 47 | .20          | 10.00        | 20.00        | <.002        | 150         | N           | N           | N           | N          | N           |
| 155S81 | 44 24 17 | 112 55 57 | .07          | .03          | 1.00         | .020         | 300         | N           | N           | N           | 30         | 30          |
| 156S81 | 44 24 21 | 112 56 8  | .70          | .15          | .05          | .100         | 100         | N           | N           | N           | 50         | 150         |
| 157S81 | 44 23 39 | 113 1 22  | 2.00         | .15          | .30          | .500         | 1,500       | N           | N           | N           | N          | 200         |
| 158S81 | 44 24 8  | 112 58 39 | 1.00         | .15          | .30          | .500         | 500         | N           | N           | N           | <10        | 300         |
| 158S1  | 44 16 41 | 112 47 45 | 1.50         | .10          | .30          | .200         | 300         | N           | N           | N           | 20         | 700         |
| 163S81 | 44 21 40 | 112 57 52 | .20          | 10.00        | 20.00        | .030         | 300         | 1.5         | N           | N           | 10         | 20          |
| 164S80 | 44 19 23 | 112 51 13 | .15          | .70          | >20.00       | <.002        | 100         | N           | N           | N           | N          | 70          |
| 179S81 | 44 22 43 | 112 48 3  | 20.00        | 2.00         | 10.00        | .003         | 500         | N           | N           | N           | N          | 300         |
| 17S81  | 44 26 5  | 112 40 45 | 1.50         | .20          | .50          | .200         | 500         | N           | N           | N           | 15         | 1,000       |
| 24S81  | 44 26 15 | 112 47 15 | .05          | 7.00         | 10.00        | N            | 150         | N           | N           | N           | N          | N           |
| 29S81  | 44 25 45 | 112 41 7  | <.05         | .30          | >20.00       | <.002        | 100         | N           | N           | N           | N          | N           |
| 31S81  | 44 26 28 | 112 46 28 | .07          | .50          | 20.00        | .007         | 200         | N           | N           | N           | <10        | <20         |
| 36S81  | 44 27 30 | 112 46 45 | 1.50         | .30          | .30          | .150         | 70          | N           | N           | N           | 100        | 500         |
| 37S81  | 44 27 0  | 112 45 58 | 1.50         | .15          | .07          | .100         | 30          | N           | N           | N           | 100        | 500         |
| 39S81  | 44 27 59 | 112 47 32 | 1.50         | 1.50         | 1.00         | .150         | 1,500       | N           | N           | N           | 15         | 1,000       |
| 41S81  | 44 26 20 | 112 46 34 | 5.00         | 5.00         | 3.00         | .200         | 1,000       | N           | N           | N           | 30         | 1,500       |
| 46S81X | 44 26 0  | 112 49 42 | .07          | 10.00        | 15.00        | .002         | 70          | N           | N           | N           | N          | N           |
| 46S81Y | 44 26 0  | 112 49 42 | .20          | .10          | 1.00         | .070         | 100         | N           | N           | N           | 20         | 30          |
| 47S81  | 44 26 48 | 112 49 29 | 5.00         | 5.00         | 5.00         | .500         | 1,500       | N           | N           | N           | 20         | 1,500       |
| 49S81  | 44 27 45 | 112 50 25 | 1.50         | 5.00         | 10.00        | .300         | 500         | N           | N           | N           | 70         | 150         |
| 50S81  | 44 28 40 | 112 49 0  | .50          | .15          | .10          | .050         | 20          | N           | N           | N           | 50         | 200         |
| 58S81  | 44 22 37 | 112 56 18 | .15          | .70          | 20.00        | .015         | 200         | N           | N           | N           | 20         | N           |
| 61S81  | 44 22 9  | 112 54 37 | N            | .30          | 20.00        | <.002        | 30          | N           | N           | N           | N          | N           |
| 63S80  | 44 20 28 | 112 50 14 | <.05         | .30          | >20.00       | <.002        | 150         | N           | N           | N           | N          | <20         |
| 64S80  | 44 20 32 | 112 50 8  | N            | .70          | >20.00       | N            | 50          | N           | N           | N           | N          | <20         |
| 64S81  | 44 22 35 | 112 52 26 | 7.00         | 3.00         | 7.00         | .700         | 1,500       | N           | N           | N           | 50         | 3,000       |
| 67S80  | 44 20 4  | 112 50 43 | 5.00         | 1.00         | 1.50         | .700         | 100         | N           | N           | N           | 500        | 200         |
| 67S81  | 44 22 18 | 112 52 26 | 7.00         | 7.00         | 7.00         | .700         | 1,500       | N           | N           | N           | 100        | 1,500       |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample | He-ppm<br>s | Bi-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 101581 | 1.5         | N           | N           | 20          | 700         | 50          | 50          | N           | N           | 100         | 50          |
| 104581 | N           | N           | N           | N           | 70          | 5           | <20         | N           | N           | 5           | N           |
| 105581 | N           | N           | N           | N           | 70          | N           | <20         | N           | N           | <5          | <10         |
| 107580 | 1.0         | N           | N           | N           | 15          | 70          | 20          | N           | N           | 70          | 300         |
| 109581 | N           | N           | N           | N           | 70          | <5          | <20         | N           | N           | 5           | <10         |
| 110581 | N           | N           | N           | <5          | 50          | <5          | <20         | N           | N           | <5          | <10         |
| 111581 | N           | N           | N           | N           | 70          | 5           | 20          | N           | N           | 10          | <10         |
| 113581 | 1.5         | N           | N           | 30          | 20          | 150         | 200         | <5          | 100         | 20          | 50          |
| 114581 | N           | N           | N           | 30          | 700         | 70          | 70          | N           | 30          | 150         | <10         |
| 120581 | N           | N           | N           | N           | 50          | <5          | N           | N           | N           | <5          | <10         |
| 133581 | 2.0         | N           | N           | N           | 15          | 5           | 20          | N           | N           | N           | 15          |
| 135581 | 1.0         | N           | N           | N           | 30          | 7           | 20          | N           | N           | 5           | 30          |
| 137581 | 2.0         | N           | N           | 5           | 15          | 15          | 70          | N           | 20          | <5          | 70          |
| 140581 | 1.5         | N           | N           | <5          | 15          | 10          | 30          | N           | <20         | 7           | 50          |
| 151581 | <1.0        | N           | N           | N           | 30          | <5          | 20          | N           | N           | 7           | 10          |
| 153581 | N           | N           | N           | N           | 30          | <5          | <20         | N           | N           | N           | 15          |
| 155580 | <1.0        | N           | N           | N           | 15          | <5          | 20          | N           | N           | N           | 10          |
| 155581 | N           | N           | N           | <5          | 20          | 5           | 20          | N           | N           | 7           | 15          |
| 156581 | 1.0         | N           | N           | N           | 20          | <5          | 100         | N           | 100         | <5          | 15          |
| 157581 | 1.5         | N           | N           | N           | <10         | <5          | 300         | 5           | 70          | <5          | 30          |
| 158581 | <1.0        | N           | N           | N           | <10         | 5           | 500         | N           | 20          | <5          | 20          |
| 158581 | 2.0         | N           | N           | N           | <10         | <5          | 100         | 10          | 50          | 5           | 30          |
| 163581 | <1.0        | N           | N           | N           | 70          | 5           | 20          | N           | N           | 30          | <10         |
| 164580 | N           | N           | N           | N           | 20          | N           | <20         | N           | N           | <5          | <10         |
| 179581 | N           | N           | N           | 30          | 15          | 700         | <20         | 150         | N           | 500         | 200         |
| 17581  | 2.0         | N           | N           | N           | 10          | <5          | 100         | 7           | 20          | 5           | 50          |
| 24581  | N           | N           | N           | N           | 15          | <5          | N           | N           | N           | <5          | <10         |
| 29581  | <1.0        | N           | N           | N           | 10          | N           | N           | N           | N           | N           | N           |
| 31581  | N           | N           | N           | N           | 50          | <5          | 20          | N           | N           | 7           | <10         |
| 36581  | 1.0         | N           | N           | <5          | 20          | <5          | 30          | N           | N           | 10          | 20          |
| 37581  | <1.0        | N           | N           | <5          | 20          | <5          | 20          | N           | N           | 7           | 20          |
| 39581  | 5.0         | N           | N           | 5           | 15          | 5           | 50          | N           | 20          | <5          | 30          |
| 41581  | 1.5         | N           | N           | 30          | 300         | 50          | 30          | N           | N           | 150         | 30          |
| 46581X | N           | N           | N           | N           | <10         | N           | 20          | N           | N           | <5          | N           |
| 46581Y | N           | N           | N           | <5          | 30          | <5          | <20         | N           | N           | 10          | 150         |
| 47581  | 1.0         | N           | N           | 20          | 500         | 30          | 50          | N           | N           | 100         | 50          |
| 49581  | <1.0        | N           | N           | <5          | 70          | 5           | 30          | N           | N           | 10          | 15          |
| 50581  | N           | N           | N           | N           | N           | N           | <20         | N           | N           | 7           | 10          |
| 58581  | N           | N           | N           | N           | 50          | <5          | 20          | N           | N           | 7           | 50          |
| 61581  | N           | N           | N           | N           | 15          | N           | <20         | N           | N           | N           | 20          |
| 63580  | N           | N           | N           | N           | 10          | <5          | 20          | N           | N           | N           | <10         |
| 64580  | N           | N           | N           | N           | 10          | <5          | 20          | N           | N           | N           | <10         |
| 64581  | <1.0        | N           | N           | 15          | 10          | 150         | 150         | N           | 50          | 70          | 30          |
| 67580  | 2.0         | N           | N           | 10          | 150         | 20          | 70          | N           | N           | 70          | 10          |
| 67581  | <1.0        | N           | N           | 30          | 700         | 100         | 70          | N           | 50          | 200         | 20          |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample | Sub-ppm<br>S | Sc-ppm<br>S | Sn-ppm<br>S | Sr-ppm<br>S | V-ppm<br>S | W-ppm<br>S | Y-ppm<br>S | Zn-ppm<br>S | Zr-ppm<br>S | Th-ppm<br>S |
|--------|--------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|
| 101581 | N            | 20          | N           | 700         | 150        | N          | 30         | <200        | 150         | N           |
| 104581 | N            | N           | N           | 500         | 30         | N          | 20         | <200        | 15          | N           |
| 105581 | N            | N           | N           | 500         | 30         | N          | N          | <200        | N           | N           |
| 107580 | N            | N           | N           | N           | 100        | N          | 15         | 5,000       | 15          | N           |
| 109581 | N            | N           | N           | 300         | 15         | N          | 20         | <200        | 15          | N           |
| 110581 | N            | N           | N           | N           | 15         | N          | <10        | <200        | 300         | N           |
| 111581 | N            | N           | N           | 300         | 30         | N          | 15         | <200        | 10          | N           |
| 113581 | N            | 5           | N           | 500         | 70         | N          | 30         | N           | 150         | N           |
| 114581 | N            | 20          | N           | 300         | 150        | N          | 30         | <200        | 100         | N           |
| 126581 | N            | N           | N           | 700         | 15         | N          | N          | N           | 10          | N           |
| 133581 | N            | <5          | N           | 300         | 10         | N          | 10         | N           | 30          | N           |
| 135581 | N            | 5           | N           | 500         | 20         | N          | 15         | N           | 70          | N           |
| 137581 | N            | 7           | <10         | 150         | 30         | N          | 100        | N           | 700         | N           |
| 140581 | N            | <5          | N           | N           | 10         | N          | 50         | N           | 500         | N           |
| 151581 | N            | <5          | N           | 1,500       | 20         | N          | 10         | N           | 15          | N           |
| 153581 | N            | N           | N           | 1,000       | 15         | N          | N          | N           | <10         | N           |
| 155580 | N            | <5          | N           | 100         | 10         | N          | <10        | N           | 15          | N           |
| 155581 | N            | <5          | N           | N           | 10         | N          | <10        | N           | 70          | N           |
| 156581 | N            | <5          | <10         | N           | <10        | N          | 50         | N           | 300         | N           |
| 157581 | N            | 5           | <10         | N           | 30         | N          | 70         | N           | 1,000       | N           |
| 158581 | N            | 5           | N           | N           | 30         | N          | 50         | N           | 300         | N           |
| 15881  | N            | <5          | N           | N           | 15         | N          | 70         | N           | 200         | N           |
| 163581 | N            | N           | N           | 150         | 30         | N          | 20         | N           | 15          | N           |
| 164580 | N            | N           | N           | 700         | 10         | N          | N          | N           | <10         | N           |
| 179581 | N            | <5          | N           | N           | 200        | N          | 15         | 1,000       | N           | N           |
| 17581  | N            | <5          | N           | N           | 15         | N          | 70         | N           | 300         | N           |
| 24581  | N            | N           | N           | N           | 10         | N          | N          | N           | N           | N           |
| 29581  | N            | N           | N           | 200         | 10         | N          | 10         | N           | 20          | N           |
| 31581  | N            | N           | N           | 500         | 15         | N          | 20         | N           | N           | N           |
| 36581  | N            | <5          | N           | N           | 30         | N          | 20         | N           | 200         | N           |
| 37581  | N            | <5          | N           | N           | 70         | N          | 20         | N           | 150         | N           |
| 37581  | N            | 5           | N           | 200         | 50         | N          | 20         | N           | 300         | N           |
| 41581  | N            | 15          | N           | 500         | 100        | N          | 20         | N           | 100         | N           |
| 46581X | N            | N           | N           | N           | 10         | N          | N          | N           | N           | N           |
| 46581Y | N            | N           | N           | N           | 15         | N          | 10         | 1,500       | 150         | N           |
| 47581  | N            | 20          | N           | 700         | 150        | N          | 20         | N           | 150         | N           |
| 49581  | N            | 5           | N           | N           | 70         | N          | 20         | N           | 200         | N           |
| 50581  | N            | N           | N           | N           | 10         | N          | <10        | N           | 70          | N           |
| 58581  | N            | N           | N           | 1,000       | 20         | N          | 20         | N           | 10          | N           |
| 61581  | N            | N           | N           | 500         | 10         | N          | <10        | N           | N           | N           |
| 63580  | N            | <5          | N           | 1,000       | 10         | N          | N          | N           | 10          | N           |
| 64580  | N            | N           | N           | 300         | <10        | N          | 15         | N           | N           | N           |
| 64581  | N            | 5           | N           | 700         | 200        | N          | 30         | N           | 100         | N           |
| 67580  | N            | 15          | N           | 100         | 150        | N          | 30         | <200        | 150         | N           |
| 67581  | N            | 20          | N           | 700         | 200        | N          | 30         | N           | 150         | N           |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-ACT-TH<br>(ppm) | N-ACT-U<br>(ppm) |
|--------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| 101S81 | --           | --           | --           | --           | --           | --           | --           | --           | 17.80             | 6.070            |
| 104S81 | --           | --           | --           | --           | --           | --           | --           | --           | <2.00             | .946             |
| 105S81 | --           | --           | --           | --           | --           | --           | --           | --           | <2.30             | 2.080            |
| 107S80 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 109S81 | --           | --           | --           | --           | --           | --           | --           | --           | <2.40             | 2.390            |
| 110S81 | --           | --           | --           | --           | --           | --           | --           | --           | <1.70             | .992             |
| 111S81 | --           | --           | --           | --           | --           | --           | --           | --           | <2.00             | 1.370            |
| 113S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 114S81 | --           | --           | --           | --           | --           | --           | --           | --           | 10.50             | 2.590            |
| 126S81 | --           | --           | --           | --           | --           | --           | --           | --           | <2.80             | 3.630            |
| 133S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 135S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 137S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 140S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 151S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 153S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 155S80 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 155S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 156S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 157S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 158S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 15S81  | --           | --           | --           | --           | --           | --           | --           | --           | 35.00             | 8.950            |
| 163S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 164S80 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 179S81 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 17S81  | --           | --           | --           | --           | --           | --           | --           | --           | 32.50             | 7.070            |
| 24S81  | --           | --           | --           | --           | --           | --           | --           | --           | <1.40             | .399             |
| 29S81  | --           | --           | --           | --           | --           | --           | --           | --           | <1.40             | <.150            |
| 31S81  | --           | --           | --           | --           | --           | --           | --           | --           | <1.80             | .845             |
| 36S81  | --           | --           | --           | --           | --           | --           | --           | --           | 4.80              | 1.110            |
| 37S81  | --           | --           | --           | --           | --           | --           | --           | --           | 4.00              | 1.310            |
| 39S81  | --           | --           | --           | --           | --           | --           | --           | --           | 24.50             | 3.200            |
| 41S81  | --           | --           | --           | --           | --           | --           | --           | --           | 14.10             | 4.650            |
| 46S81X | --           | --           | --           | --           | --           | --           | --           | --           | 3.60              | 1.840            |
| 46S81Y | --           | --           | --           | --           | --           | --           | --           | --           | 1.90              | .434             |
| 47S81  | --           | --           | --           | --           | --           | --           | --           | --           | <1.30             | .250             |
| 49S81  | --           | --           | --           | --           | --           | --           | --           | --           | 15.50             | 5.000            |
| 50S81  | --           | --           | --           | --           | --           | --           | --           | --           | 2.80              | .867             |
| 58S81  | --           | --           | --           | --           | --           | --           | --           | --           | <2.70             | 2.970            |
| 61S81  | --           | --           | --           | --           | --           | --           | --           | --           | <2.10             | 1.640            |
| 63S80  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 64S80  | --           | --           | --           | --           | --           | --           | --           | --           | 35.20             | 5.370            |
| 64S81  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 67S80  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 67S81  | --           | --           | --           | --           | --           | --           | --           | --           | 16.60             | 3.620            |



Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Latitude | Longitude | Fe-pct.<br>% | Mg-pct.<br>% | Ca-pct.<br>% | Ti-pct.<br>% | Mn-ppm<br>ppm | Ag-ppm<br>ppm | As-ppm<br>ppm | Au-ppm<br>ppm | B-ppm<br>ppm | Ba-ppm<br>ppm |
|---------|----------|-----------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|---------------|
| 68S80   | 44 20 52 | 112 51 15 | .15          | .70          | >20.00       | .010         | 150           | N             | N             | N             | <10          | N             |
| 68S81   | 44 23 15 | 112 52 52 | .70          | .70          | >20.00       | .070         | 300           | N             | N             | N             | 20           | 100           |
| 70S80G  | 44 19 23 | 112 50 6  | .30          | .50          | >20.00       | .070         | 150           | N             | N             | N             | 15           | <20           |
| 70S81   | 44 24 12 | 112 52 45 | 2.00         | .50          | .70          | .150         | 50            | N             | N             | N             | 200          | 150           |
| 71S80   | 44 19 11 | 112 48 9  | 2.00         | 1.00         | 15.00        | .200         | 300           | N             | N             | N             | 100          | 70            |
| 72S81   | 44 24 15 | 112 53 16 | 1.00         | .30          | .20          | .150         | 50            | 1.0           | N             | N             | 100          | 150           |
| 72S811  | 44 25 15 | 112 49 19 | .15          | 7.00         | >20.00       | .007         | 300           | N             | N             | N             | N            | <20           |
| 75S80   | 44 20 5  | 112 45 31 | 1.00         | 1.50         | >20.00       | .100         | 700           | N             | N             | N             | 30           | 70            |
| 76S81   | 44 24 35 | 112 55 15 | 10.00        | 7.00         | 5.00         | 1.000        | 1,000         | N             | N             | N             | 300          | 2,000         |
| 77S80   | 44 20 59 | 112 45 18 | .30          | .15          | .50          | .100         | 20            | .7            | N             | N             | 70           | 150           |
| 78S80   | 44 21 0  | 112 45 0  | <.05         | .02          | .50          | <.002        | 10            | N             | N             | N             | <10          | 20            |
| 79S81   | 44 25 28 | 112 56 37 | 1.50         | .30          | .10          | .070         | 70            | <.5           | N             | N             | 50           | 70            |
| 80S80   | 44 21 32 | 112 45 59 | 5.00         | .50          | .30          | .500         | 200           | N             | N             | N             | 150          | 700           |
| 80S81   | 44 25 28 | 112 56 37 | 2.00         | .30          | .10          | .100         | 100           | N             | N             | N             | 70           | 50            |
| 81S80   | 44 17 59 | 112 47 54 | .20          | .30          | 15.00        | .030         | 100           | N             | N             | N             | N            | 50            |
| 82S81   | 44 15 4  | 112 46 12 | .20          | .70          | 15.00        | .070         | 50            | N             | N             | N             | 20           | 30            |
| 84S80   | 44 19 18 | 112 50 12 | 7.00         | 1.50         | .70          | .700         | 300           | N             | N             | N             | 300          | 150           |
| 84S81   | 44 15 43 | 112 45 18 | .20          | .10          | 1.50         | .150         | 30            | N             | N             | N             | 50           | 150           |
| 87S81   | 44 26 32 | 112 56 33 | .20          | .02          | .05          | .020         | 20            | N             | N             | N             | N            | 50            |
| 89S81X  | 44 25 47 | 112 56 45 | 10.00        | .10          | <.05         | .070         | 100           | N             | N             | N             | 30           | 50            |
| 89S81Y  | 44 25 47 | 112 56 45 | 7.00         | .20          | .15          | .070         | 150           | N             | N             | N             | 50           | 30            |
| 90S80   | 44 21 19 | 112 51 39 | .50          | .50          | 20.00        | .030         | 700           | .7            | N             | N             | N            | <20           |
| 90S81   | 44 25 41 | 112 56 45 | 2.00         | .20          | .07          | .700         | 150           | N             | N             | N             | 30           | 70            |
| 90S81AX | 44 25 41 | 112 56 45 | 2.00         | .10          | .10          | .500         | 1,500         | N             | N             | N             | N            | 50            |
| 90S81AY | 44 25 41 | 112 56 45 | 1.50         | .07          | .07          | .500         | 1,500         | N             | N             | N             | N            | 70            |
| 90S81B  | 44 25 41 | 112 56 45 | 1.50         | .07          | .05          | .500         | 150           | N             | N             | N             | <10          | 70            |
| 92S81   | 44 25 37 | 112 56 40 | 1.50         | .20          | .07          | .100         | 150           | N             | N             | N             | 30           | 30            |
| 93S81   | 44 26 18 | 112 56 0  | 1.50         | .50          | <.05         | .150         | 50            | N             | N             | N             | 150          | 700           |
| 95S81   | 44 17 50 | 112 44 0  | 1.50         | .20          | <.05         | .150         | 10            | N             | N             | N             | N            | 1,000         |
| 96S81   | 44 18 3  | 112 43 57 | 1.50         | .70          | .10          | .150         | 70            | .5            | N             | N             | 200          | 300           |
| 97S81   | 44 16 16 | 112 43 29 | 1.50         | .20          | 1.00         | .200         | 500           | <.5           | N             | N             | 20           | 1,000         |
| 98S81   | 44 25 5  | 112 55 55 | .20          | 1.50         | >20.00       | .002         | 700           | N             | N             | N             | N            | 100           |
| 99S81   | 44 25 36 | 112 55 37 | 7.00         | .70          | .20          | .200         | 20            | .7            | N             | N             | 150          | 700           |
| 99S81AX | 44 25 35 | 112 55 37 | 1.50         | .50          | .05          | .300         | 30            | N             | N             | N             | 150          | 3,000         |
| 99S81AY | 44 25 35 | 112 55 37 | 1.50         | .30          | .05          | .200         | 70            | N             | N             | N             | 100          | 1,000         |
| 99S81B  | 44 25 35 | 112 55 37 | .50          | .15          | .05          | .300         | 10            | 2.0           | N             | N             | 30           | 300           |
| IPW1R   | 44 20 2  | 112 50 29 | .20          | 1.00         | 2.00         | .150         | 20            | .7            | N             | N             | 70           | 70            |
| IPW7R   | 44 19 14 | 112 47 56 | .20          | .70          | >20.00       | .015         | 100           | N             | N             | N             | N            | N             |
| IPW11R  | 44 18 43 | 112 46 46 | .15          | .70          | >20.00       | .007         | 100           | N             | N             | N             | N            | N             |
| IPW16R  | 44 21 45 | 112 49 50 | .20          | .70          | 20.00        | .020         | 100           | N             | N             | N             | 10           | <20           |
| IPW17R  | 44 21 45 | 112 49 50 | <.05         | .70          | >20.00       | .010         | 50            | N             | N             | N             | N            | N             |
| IPW21R  | 44 22 20 | 112 48 0  | 1.50         | .5           | .15          | .200         | 30            | N             | N             | N             | 70           | 500           |
| IPW22R  | 44 22 20 | 112 48 0  | 2.00         | .70          | .15          | .300         | 150           | N             | N             | N             | 200          | 200           |
| IPW29R  | 44 20 32 | 112 47 54 | .10          | 5.00         | 20.00        | .010         | 100           | <.5           | N             | N             | 15           | N             |
| IPW36R  | 44 21 37 | 112 43 23 | .10          | .50          | 2.00         | .070         | 30            | N             | N             | N             | <10          | 20            |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Ue-ppm<br>s | U-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|---------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 68S80   | N           | N          | N           | N           | 50          | <5          | 20          | N           | N           | 5           | N           |
| 68S81   | <1.0        | N          | N           | N           | 70          | <5          | 20          | N           | N           | 5           | 20          |
| 70S80G  | N           | N          | N           | <5          | 70          | <5          | 20          | N           | N           | 5           | 15          |
| 70S81   | 2.0         | N          | N           | 5           | 50          | <5          | 20          | N           | N           | 30          | <10         |
| 71S80   | <1.0        | N          | N           | <5          | 100         | 15          | 20          | N           | N           | 30          | <10         |
| 72S81   | 1.0         | N          | N           | N           | 70          | 30          | 20          | 70          | N           | 100         | 70          |
| 72S81T  | N           | N          | N           | N           | 10          | <5          | <20         | 7           | N           | 10          | 20          |
| 75S80   | N           | N          | N           | 5           | 30          | 71          | 20          | N           | N           | 20          | <10         |
| 76S81   | <1.0        | N          | N           | 50          | 100         | 300         | 100         | N           | 100         | 100         | 20          |
| 77S80   | N           | N          | N           | N           | 50          | 30          | 20          | 70          | N           | 70          | <10         |
| 78S80   | N           | N          | N           | N           | 15          | <5          | <20         | N           | N           | <5          | N           |
| 79S81   | 1.5         | N          | N           | N           | 10          | <5          | 20          | N           | 100         | <5          | 15          |
| 80S80   | 2.0         | N          | N           | N           | 50          | <5          | 20          | N           | N           | 7           | 10          |
| 80S81   | 1.5         | N          | N           | N           | 10          | <5          | 30          | N           | 150         | 5           | 15          |
| 81S80   | N           | N          | N           | N           | 30          | <5          | <20         | N           | N           | 10          | <10         |
| 82S81   | <1.0        | N          | N           | N           | 70          | <5          | 20          | N           | N           | 7           | <10         |
| 84S80   | 2.0         | N          | N           | 50          | 150         | 30          | 100         | N           | <20         | 150         | 15          |
| 84S81   | N           | N          | N           | N           | 50          | <5          | 20          | N           | N           | 5           | 10          |
| 87S81   | <1.0        | N          | N           | N           | 20          | <5          | 20          | N           | N           | 5           | 30          |
| 89S81X  | 2.0         | N          | N           | N           | N           | 5           | 50          | N           | 200         | 5           | 15          |
| 89S81Y  | 2.0         | N          | N           | <5          | 10          | 7           | 70          | N           | 150         | <5          | 20          |
| 90S80   | N           | N          | N           | <5          | 50          | <5          | 30          | N           | N           | 10          | 15          |
| 90S81   | 2.0         | N          | N           | <5          | 10          | <5          | 150         | <5          | 100         | <5          | 30          |
| 90S81AX | 5.0         | N          | N           | N           | 10          | <5          | 300         | 7           | 100         | <5          | 50          |
| 90S81AY | 2.0         | N          | N           | <5          | 10          | <5          | 300         | N           | 70          | N           | 70          |
| 90S81B  | 3.0         | N          | N           | <5          | 10          | <5          | 100         | 7           | 150         | <5          | 30          |
| 92S81   | 3.0         | N          | N           | N           | 15          | <5          | 20          | N           | 300         | <5          | 20          |
| 93S81   | 1.5         | N          | N           | N           | 50          | <5          | 20          | N           | N           | 7           | 50          |
| 95S81   | N           | N          | N           | 10          | 20          | 15          | 150         | 7           | 150         | 30          | 10          |
| 96S81   | 1.5         | N          | N           | 10          | 50          | 30          | 20          | N           | <20         | 10          | 30          |
| 97S81   | 3.0         | N          | N           | N           | 15          | <5          | 70          | 7           | 70          | 5           | 50          |
| 98S81   | N           | N          | N           | N           | 20          | <5          | <20         | N           | N           | <5          | N           |
| 99S81   | 1.5         | N          | N           | N           | 10          | 10          | 150         | N           | 100         | <5          | 200         |
| 99S81AX | 1.5         | N          | N           | 5           | 70          | 5           | 70          | N           | 70          | 5           | 50          |
| 99S81AY | 2.0         | N          | N           | N           | 50          | 10          | 30          | N           | <20         | 5           | 30          |
| 99S81B  | <1.0        | <10        | N           | N           | 15          | 15          | 200         | N           | 150         | 5           | 300         |
| IPW1P   | <1.0        | N          | N           | <5          | 20          | <5          | <20         | N           | N           | 7           | <10         |
| IPW7P   | N           | N          | N           | N           | 15          | <5          | 20          | N           | N           | 5           | <10         |
| IPW11R  | N           | N          | N           | N           | 15          | <5          | <20         | N           | N           | <5          | <10         |
| IPW16R  | N           | N          | N           | <5          | 10          | <5          | <20         | N           | N           | 10          | <10         |
| IPW17R  | N           | N          | N           | N           | 10          | N           | <20         | N           | N           | N           | <10         |
| IPW21R  | 1.5         | N          | N           | <5          | 30          | 5           | 30          | N           | <20         | 5           | 20          |
| IPW22R  | 2.0         | N          | N           | 7           | 30          | 15          | 30          | 10          | <20         | 30          | 20          |
| IPW29R  | N           | N          | N           | <5          | 15          | <5          | <20         | N           | N           | 30          | <10         |
| IPW36P  | N           | N          | N           | <5          | 15          | <5          | <20         | N           | N           | 10          | <10         |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample | SiO <sub>2</sub> -ppm | Sc-ppm | Sn-ppm | Sr-ppm | V-ppm | W-ppm | Y-ppm | Zn-ppm | Zr-ppm | Th-ppm |
|--------|-----------------------|--------|--------|--------|-------|-------|-------|--------|--------|--------|
| 6RS0   | N                     | N      | N      | 700    | 10    | N     | 15    | N      | 10     | N      |
| 6RS1   | N                     | <5     | N      | 1,000  | 50    | N     | 20    | N      | 30     | N      |
| 7CS06  | N                     | <5     | N      | 700    | 15    | N     | 15    | N      | 200    | N      |
| 7OS1   | N                     | 7      | N      | N      | 50    | N     | 30    | N      | 150    | N      |
| 71S0   | N                     | 5      | N      | 300    | 70    | N     | 20    | N      | 200    | N      |
| 72S1   | N                     | 5      | N      | N      | 2,000 | N     | 15    | 200    | 70     | N      |
| 72S1T  | N                     | N      | N      | 150    | 15    | N     | N     | N      | 10     | N      |
| 75S0   | N                     | 5      | N      | 1,000  | 50    | N     | 20    | N      | 50     | N      |
| 76S1   | N                     | 5      | N      | 500    | 300   | N     | 30    | N      | 150    | N      |
| 77S0   | N                     | <5     | N      | N      | 1,500 | N     | 10    | N      | 50     | N      |
| 78S0   | N                     | N      | N      | N      | <10   | N     | N     | N      | N      | N      |
| 79S1   | N                     | N      | 20     | N      | 10    | N     | 70    | N      | >1,000 | N      |
| 80S0   | N                     | 7      | N      | N      | 70    | N     | 20    | N      | 200    | N      |
| 80S1   | N                     | N      | 20     | N      | <10   | N     | 50    | N      | 700    | N      |
| 81S0   | N                     | N      | N      | <100   | <10   | N     | <10   | N      | 70     | N      |
| 82S1   | N                     | N      | N      | 500    | 20    | N     | 15    | N      | 150    | N      |
| 84S0   | N                     | 20     | N      | 200    | 200   | N     | 50    | N      | 500    | N      |
| 84S1   | N                     | <5     | N      | N      | 15    | N     | <10   | <200   | 200    | N      |
| 87S1   | N                     | N      | N      | N      | <10   | N     | N     | <200   | 50     | N      |
| 89S1X  | N                     | 5      | 20     | N      | 15    | N     | 200   | <200   | 1,000  | 100    |
| 89S1Y  | N                     | 5      | 30     | N      | 20    | <50   | 150   | N      | 1,000  | 150    |
| 90S0   | N                     | N      | N      | 1,000  | 70    | N     | 50    | N      | 70     | N      |
| 90S1   | N                     | <5     | 15     | N      | 20    | N     | 150   | <200   | 1,000  | N      |
| 90S1AX | N                     | <5     | 15     | N      | 30    | N     | 100   | <200   | 1,000  | N      |
| 90S1AY | N                     | <5     | 15     | N      | 20    | <50   | 70    | N      | 1,000  | N      |
| 90S1U  | N                     | <5     | 15     | N      | 20    | <50   | 70    | N      | 1,000  | N      |
| 92S1   | N                     | <5     | 20     | N      | <10   | N     | 30    | <200   | 700    | N      |
| 93S1   | N                     | 5      | N      | N      | 50    | N     | 20    | <200   | 100    | N      |
| 95S1   | N                     | N      | N      | N      | 10    | N     | 100   | <200   | 500    | N      |
| 96S1   | N                     | <5     | N      | N      | 30    | N     | 20    | <200   | 100    | N      |
| 97S1   | N                     | <5     | N      | N      | 15    | N     | 50    | <200   | 300    | N      |
| 98S1   | N                     | N      | N      | 700    | 15    | N     | 15    | <200   | N      | N      |
| 99S1   | N                     | <5     | N      | N      | 50    | N     | 30    | <200   | 300    | N      |
| 99S1AX | N                     | <5     | N      | N      | 50    | N     | 20    | <200   | 200    | N      |
| 99S1AY | N                     | 5      | N      | N      | 50    | N     | 20    | N      | 150    | N      |
| 99S1U  | N                     | <5     | N      | N      | 70    | N     | 20    | N      | 300    | N      |
| IPW1R  | N                     | N      | N      | N      | 20    | N     | <10   | N      | 300    | N      |
| IPW7R  | N                     | N      | N      | 500    | 20    | N     | 15    | N      | N      | N      |
| IPW11R | N                     | N      | N      | 300    | <10   | N     | 15    | N      | N      | N      |
| IPW16R | N                     | N      | N      | 150    | 15    | N     | N     | N      | 20     | N      |
| IPW17R | N                     | N      | N      | 300    | 10    | N     | N     | N      | 10     | N      |
| IPW21R | N                     | 5      | N      | N      | 50    | N     | 20    | N      | 200    | N      |
| IPW27R | N                     | 5      | N      | N      | 70    | N     | 20    | N      | 200    | N      |
| IPW29R | N                     | N      | N      | <100   | 10    | N     | 10    | <200   | 10     | N      |
| IPW36R | N                     | N      | N      | N      | 15    | N     | N     | N      | 300    | N      |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-Act-TH<br>(ppm) | N-Act-U<br>(ppm) |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| 6RS80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 6RS81   | --           | --           | --           | --           | --           | --           | --           | --           | <3.80             | 6.610            |
| 7JS80G  | --           | --           | --           | --           | --           | --           | --           | --           | 5.80              | 2.340            |
| 70S81   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 71S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 72S81   | --           | --           | --           | --           | --           | --           | --           | --           | <3.30             | 6.080            |
| 72S81T  | --           | --           | --           | --           | --           | --           | --           | --           | <2.90             | 5.420            |
| 75S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 76S81   | --           | --           | --           | --           | --           | --           | --           | --           | 26.60             | 4.820            |
| 77S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 78S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 79S81   | --           | --           | --           | --           | --           | --           | --           | --           | 39.30             | 5.030            |
| 80S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 80S81   | --           | --           | --           | --           | --           | --           | --           | --           | 38.70             | 6.700            |
| 81S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 82S81   | --           | --           | --           | --           | --           | --           | --           | --           | <1.90             | 1.650            |
| 84S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 84S81   | --           | --           | --           | --           | --           | --           | --           | --           | 2.30              | 1.040            |
| 87S81   | --           | --           | --           | --           | --           | --           | --           | --           | 1.60              | .457             |
| 89S81X  | --           | --           | --           | --           | --           | --           | --           | --           | 109.00            | 7.940            |
| 89S81Y  | --           | --           | --           | --           | --           | --           | --           | --           | 109.00            | 7.940            |
| 90S80   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 90S81   | --           | --           | --           | --           | --           | --           | --           | --           | 30.50             | 7.300            |
| 90S81AX | --           | --           | --           | --           | --           | --           | --           | --           | 29.00             | 7.300            |
| 90S81AY | --           | --           | --           | --           | --           | --           | --           | --           | 29.00             | 7.300            |
| 90S81B  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| 92S81   | --           | --           | --           | --           | --           | --           | --           | --           | 37.80             | 6.270            |
| 93S81   | --           | --           | --           | --           | --           | --           | --           | --           | 3.90              | 1.250            |
| 93S81   | --           | --           | --           | --           | --           | --           | --           | --           | 61.30             | 17.900           |
| 90S81   | --           | --           | --           | --           | --           | --           | --           | --           | 7.85              | 1.650            |
| 97S81   | --           | --           | --           | --           | --           | --           | --           | --           | 31.90             | 8.060            |
| 98S81   | --           | --           | --           | --           | --           | --           | --           | --           | <1.50             | .560             |
| 99S81   | --           | --           | --           | --           | --           | --           | --           | --           | 35.70             | 9.940            |
| 99S81AX | --           | --           | --           | --           | --           | --           | --           | --           | 20.20             | 4.850            |
| 99S81AY | --           | --           | --           | --           | --           | --           | --           | --           | 20.20             | 4.850            |
| 99S81H  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW1R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW7R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW11R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW16R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW17R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW21R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW22R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW29R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW36R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample   | Latitude | Longitude | Fe-pct.<br>s | Mg-pct.<br>s | Ca-pct.<br>s | Ti-pct.<br>s | Mn-ppm<br>s | Ag-ppm<br>s | As-ppm<br>s | AU-ppm<br>s | B-ppm<br>s | Ba-ppm<br>s |
|----------|----------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|
| IPW37R   | 44 22 47 | 112 52 49 | 1.50         | 1.50         | >20.00       | .100         | 700         | N           | N           | N           | 50         | 300         |
| IPW38R   | 44 22 42 | 112 53 3  | >20.00       | .30          | 3.00         | .070         | 700         | .5          | N           | N           | N          | 1,500       |
| IPW39R   | 44 22 45 | 112 53 6  | .20          | 10.00        | 20.00        | .010         | 300         | N           | N           | N           | N          | 20          |
| IPW40R   | 44 22 34 | 112 53 11 | .20          | 1.50         | >20.00       | .020         | 1,000       | N           | N           | N           | 10         | 700         |
| IPW42R   | 44 22 9  | 112 54 37 | .20          | .10          | .70          | .150         | 50          | N           | N           | N           | 70         | 100         |
| IPW43R   | 44 23 17 | 112 54 45 | 7.00         | .07          | .50          | .200         | 200         | 2.0         | N           | N           | 10         | 50          |
| IPW44R   | 44 23 6  | 112 54 40 | 2.00         | .70          | >20.00       | .030         | 150         | N           | N           | N           | N          | 2,000       |
| IPW50R   | 44 23 37 | 112 53 40 | >20.00       | .30          | .20          | .050         | 300         | <.5         | N           | N           | N          | 70          |
| IPW67R   | 44 22 0  | 112 50 28 | .20          | 2.00         | 20.00        | .070         | 200         | N           | N           | N           | 10         | <20         |
| IPW75R   | 44 19 10 | 112 44 59 | .15          | .70          | >20.00       | .020         | 100         | N           | N           | N           | N          | N           |
| IPW76R   | 44 19 23 | 112 44 57 | 2.00         | 1.00         | 15.00        | .500         | 200         | N           | N           | N           | 150        | 150         |
| IPW77R   | 44 19 10 | 112 44 59 | 1.00         | .50          | 20.00        | .300         | 150         | N           | N           | N           | 70         | 100         |
| IPW78R   | 44 18 58 | 112 44 53 | .07          | 3.00         | 20.00        | .007         | 150         | <.5         | N           | N           | 10         | <20         |
| IPW80R   | 44 18 36 | 112 42 45 | 1.00         | .70          | .10          | .150         | 70          | N           | N           | N           | 70         | 150         |
| IPW84R   | 44 17 19 | 112 42 16 | 1.00         | .15          | .50          | .200         | 700         | N           | N           | N           | 50         | 1,000       |
| IPW92R   | 44 24 0  | 112 58 18 | .50          | .02          | .07          | .010         | 50          | N           | N           | N           | <10        | 100         |
| IPW101R  | 44 26 26 | 113 0 50  | .70          | .30          | .15          | .100         | 30          | N           | N           | N           | 30         | 200         |
| IPW102R  | 44 26 26 | 113 0 50  | .30          | .20          | .05          | .150         | 15          | N           | N           | N           | 30         | 200         |
| IPW103AR | 44 26 26 | 113 0 50  | .50          | .15          | .07          | .150         | 10          | N           | N           | N           | 10         | 300         |
| IPW103BR | 44 26 26 | 113 0 50  | .70          | .30          | .10          | .150         | 15          | N           | N           | N           | 70         | 70          |
| IPW104R  | 44 26 26 | 113 0 50  | 1.00         | .30          | .05          | .200         | 30          | N           | N           | N           | 30         | 300         |
| IPW105R  | 44 26 26 | 113 0 50  | .50          | .07          | .07          | .100         | 150         | N           | N           | N           | N          | 300         |
| IPW106R  | 44 26 26 | 113 0 50  | .30          | .10          | .07          | .100         | 10          | N           | N           | N           | <10        | 500         |
| IPW107R  | 44 26 26 | 113 0 50  | .30          | .20          | .07          | .150         | 15          | N           | N           | N           | 30         | 200         |
| IPW109R  | 44 26 26 | 113 0 50  | 2.00         | .50          | .07          | .200         | 10          | N           | N           | N           | 200        | 200         |
| IPW110R  | 44 26 26 | 113 0 50  | .07          | .02          | <.05         | .020         | 10          | N           | N           | N           | N          | 300         |
| IPW111R  | 44 26 37 | 113 1 30  | 1.00         | <.02         | .05          | .030         | 500         | N           | N           | N           | N          | 70          |
| IPW112R  | 44 26 37 | 113 1 30  | .70          | <.02         | <.05         | .020         | 70          | N           | N           | N           | 20         | 20          |
| IPW113R  | 44 26 37 | 113 1 30  | .30          | .30          | <.05         | .150         | <10         | N           | N           | N           | 70         | 70          |
| IPW114R  | 44 26 37 | 113 1 30  | .70          | .30          | <.05         | .150         | 10          | N           | N           | N           | 50         | 300         |
| IPW115R  | 44 26 37 | 113 1 30  | .20          | <.02         | <.05         | .015         | <10         | N           | N           | N           | N          | 300         |
| IPW116R  | 44 26 37 | 113 1 30  | .20          | .15          | .05          | .050         | 10          | N           | N           | N           | 20         | 100         |
| IPW117R  | 44 26 56 | 112 59 48 | .70          | .70          | .05          | .070         | 20          | N           | N           | N           | N          | 150         |
| IPW118R  | 44 26 56 | 112 59 48 | 1.00         | .07          | .07          | .070         | 50          | N           | N           | N           | N          | 50          |
| IPW119R  | 44 26 56 | 112 59 48 | 1.50         | .10          | <.05         | .050         | 15          | N           | N           | N           | 70         | <20         |
| IPW120R  | 44 26 56 | 112 59 48 | .70          | .30          | <.05         | .100         | 30          | <.5         | N           | N           | 70         | 30          |
| IPW121R  | 44 26 56 | 112 59 48 | .10          | <.02         | <.05         | .030         | 20          | N           | N           | N           | N          | 70          |
| IPW122AR | 44 27 4  | 113 0 8   | .50          | .20          | <.05         | .100         | 20          | <.5         | N           | N           | 150        | 20          |
| IPW124R  | 44 28 17 | 113 0 16  | .50          | .10          | .05          | .070         | 20          | N           | N           | N           | 20         | 150         |
| IPW125R  | 44 28 17 | 113 0 16  | 10.00        | 1.50         | 1.50         | 1.000        | 5,000       | N           | N           | N           | 15         | 2,000       |
| IPW126R  | 44 28 33 | 113 0 42  | 5.00         | .30          | .30          | .500         | 700         | N           | N           | N           | 15         | 1,500       |
| IPW127R  | 44 26 54 | 112 59 56 | 1.00         | .10          | .07          | .070         | 200         | N           | N           | N           | N          | 100         |
| IPW128R  | 44 26 54 | 112 59 56 | 3.00         | .10          | <.05         | .070         | 1,000       | N           | N           | N           | 30         | 30          |
| IPW129R  | 44 26 43 | 112 59 27 | .70          | .20          | .05          | .100         | 200         | N           | N           | N           | 20         | 300         |
| IPW130R  | 44 26 36 | 112 59 19 | 3.00         | .30          | <.05         | .200         | 70          | N           | N           | N           | 70         | 700         |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample   | Be-ppm<br>s | Bi-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| IPW37R   | <1.0        | N           | N           | <5          | 50          | 5           | <20         | 5           | N           | 15          | <10         |
| IPW38R   | 1.5         | N           | N           | 10          | 50          | 50          | <20         | 300         | N           | 200         | 500         |
| IPW39R   | 1.0         | N           | N           | N           | 15          | <5          | <20         | N           | N           | <5          | 15          |
| IPW40R   | N           | N           | N           | <5          | 10          | <5          | <20         | 10          | N           | 30          | 20          |
| IPW42R   | <1.0        | N           | N           | <5          | 50          | <5          | <20         | N           | N           | 7           | 10          |
| IPW43R   | N           | N           | N           | N           | 20          | 5           | <20         | 5           | N           | 20          | 300         |
| IPW44R   | <1.0        | N           | N           | N           | 20          | 10          | <20         | N           | N           | 50          | 50          |
| IPW50R   | 2.0         | N           | N           | 10          | 20          | 30          | <20         | 70          | N           | 200         | 300         |
| IPW67R   | N           | N           | N           | N           | 50          | <5          | 20          | N           | N           | <5          | <10         |
| IPW75R   | N           | N           | N           | N           | 10          | N           | <20         | N           | N           | N           | <10         |
| IPW76R   | 1.5         | N           | N           | <5          | 100         | 10          | 30          | N           | N           | 30          | 30          |
| IPW77R   | <1.0        | N           | N           | N           | 50          | 5           | 20          | N           | N           | 10          | 15          |
| IPW78R   | N           | N           | N           | N           | 15          | <5          | <20         | N           | N           | 15          | N           |
| IPW80R   | 1.5         | N           | N           | <5          | 15          | 10          | 20          | N           | N           | 7           | <10         |
| IPW84R   | 3.0         | N           | N           | <5          | 10          | 7           | 200         | 10          | 30          | 5           | 70          |
| IPW92R   | N           | N           | N           | N           | 20          | 20          | <20         | N           | N           | 5           | 20          |
| IPW101R  | 1.5         | N           | N           | N           | 10          | <5          | 70          | N           | 100         | 7           | <10         |
| IPW102R  | 2.0         | N           | N           | <5          | 10          | <5          | 30          | N           | 30          | 5           | <10         |
| IPW103AR | 2.0         | N           | N           | N           | 15          | N           | 50          | N           | 50          | 5           | <10         |
| IPW103UR | 2.0         | N           | N           | <5          | N           | <5          | 200         | 30          | 200         | 20          | 10          |
| IPW104R  | 1.5         | N           | N           | 5           | 10          | 5           | 100         | N           | 50          | 7           | <10         |
| IPW105R  | 1.5         | N           | N           | <5          | 10          | <5          | 150         | N           | 20          | <5          | <10         |
| IPW106R  | 2.0         | N           | N           | <5          | <10         | 5           | 20          | N           | 50          | 5           | 10          |
| IPW107R  | 1.5         | N           | N           | N           | 10          | 5           | 100         | N           | 50          | 10          | 10          |
| IPW109R  | 2.0         | N           | N           | <5          | <10         | 15          | 200         | N           | 150         | 5           | 30          |
| IPW110R  | <1.0        | N           | N           | <5          | 10          | <5          | <20         | N           | N           | 5           | 10          |
| IPW111R  | <1.0        | N           | N           | <5          | 15          | 5           | <20         | N           | N           | 5           | 10          |
| IPW112R  | 1.5         | N           | N           | <5          | 10          | 5           | <20         | N           | N           | 7           | 70          |
| IPW113R  | 1.5         | N           | N           | <5          | 10          | <5          | 150         | N           | 20          | 5           | 10          |
| IPW114R  | 1.5         | N           | N           | N           | <10         | <5          | 30          | 7           | 70          | 7           | 10          |
| IPW115R  | <1.0        | N           | N           | N           | <10         | <5          | <20         | N           | N           | 5           | 10          |
| IPW116R  | 1.5         | N           | N           | N           | N           | <5          | N           | N           | 50          | 5           | <10         |
| IPW117R  | 3.0         | N           | N           | N           | N           | <5          | 30          | <5          | 100         | 5           | <10         |
| IPW118R  | 5.0         | N           | N           | N           | N           | <5          | 30          | 5           | 100         | 5           | 10          |
| IPW119R  | 3.0         | N           | N           | N           | <10         | <5          | 50          | N           | 70          | 5           | N           |
| IPW120R  | 3.0         | N           | N           | <5          | 10          | 15          | 30          | N           | 70          | 5           | <10         |
| IPW121R  | N           | N           | N           | N           | 15          | <5          | <20         | N           | N           | 7           | <10         |
| IPW122AR | 1.5         | N           | N           | N           | N           | <5          | 30          | N           | 30          | <5          | 20          |
| IPW124R  | 2.0         | N           | N           | <5          | <10         | 7           | <20         | 20          | 70          | <5          | 20          |
| IPW125R  | 3.0         | N           | N           | 10          | <10         | N           | 150         | <5          | 30          | 5           | 10          |
| IPW126R  | 2.0         | N           | N           | <5          | <10         | <5          | 150         | 10          | 70          | 5           | 15          |
| IPW127R  | 5.0         | N           | N           | <5          | 10          | <5          | 30          | N           | 50          | 5           | 15          |
| IPW128R  | 7.0         | N           | N           | N           | N           | <5          | 150         | N           | 70          | 5           | <10         |
| IPW129R  | 1.5         | N           | N           | N           | N           | <5          | 100         | N           | 50          | 5           | <10         |
| IPW130R  | 2.0         | N           | N           | <5          | N           | <5          | 50          | 7           | 50          | 10          | <10         |

Table 3.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample   | Sr-ppm<br>s | Sc-ppm<br>s | Sn-ppm<br>s | Sr-ppm<br>s | V-ppm<br>s | W-ppm<br>s | Y-ppm<br>s | Zn-ppm<br>s | Zr-ppm<br>s | Th-ppm<br>s |
|----------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|
| IPW37R   | N           | <5          | N           | 700         | 50         | N          | 20         | N           | 30          | N           |
| IPW38R   | N           | 5           | N           | N           | 200        | N          | <10        | 2,000       | 10          | N           |
| IPW39R   | N           | N           | N           | 200         | 10         | N          | N          | N           | 10          | N           |
| IPW40R   | N           | N           | N           | 300         | 15         | N          | 10         | N           | 20          | N           |
| IPW42R   | N           | N           | N           | N           | 30         | N          | 10         | N           | >1,000      | N           |
| IPW43R   | N           | N           | N           | N           | 150        | N          | N          | 1,000       | 70          | N           |
| IPW44R   | N           | <5          | N           | 300         | 100        | N          | <10        | 700         | 20          | N           |
| IPW50R   | <100        | N           | N           | N           | 70         | N          | 15         | 10,000      | 10          | N           |
| IPW67R   | N           | N           | N           | 200         | 10         | N          | 20         | N           | 70          | N           |
| IPW75R   | N           | N           | N           | 300         | 15         | N          | N          | N           | 15          | N           |
| IPW76R   | N           | 7           | N           | N           | 50         | N          | 20         | N           | 300         | N           |
| IPW77R   | N           | <5          | N           | 100         | 30         | N          | 15         | N           | 200         | N           |
| IPW78R   | N           | N           | N           | <100        | 10         | N          | <10        | N           | <10         | N           |
| IPW80R   | N           | 5           | N           | N           | 30         | N          | 10         | N           | 70          | N           |
| IPW84R   | N           | 5           | 10          | N           | <10        | N          | 70         | N           | 300         | N           |
| IPW92R   | N           | N           | N           | N           | 15         | N          | <10        | N           | 70          | N           |
| IPW101R  | N           | 5           | 10          | N           | <10        | N          | 50         | N           | 300         | N           |
| IPW102R  | N           | <5          | N           | N           | 20         | N          | 20         | N           | 150         | N           |
| IPW103AR | N           | <5          | N           | N           | <10        | N          | 30         | N           | 150         | N           |
| IPW103BR | N           | 7           | 10          | N           | N          | N          | 100        | N           | >1,000      | N           |
| IPW104R  | N           | 5           | N           | N           | 10         | N          | 30         | N           | 150         | N           |
| IPW105R  | N           | <5          | N           | N           | <10        | N          | 20         | N           | 30          | N           |
| IPW106R  | N           | <5          | N           | N           | N          | N          | 30         | N           | 300         | N           |
| IPW107R  | N           | <5          | N           | N           | 10         | N          | 30         | N           | 200         | N           |
| IPW109R  | N           | 5           | 15          | N           | 50         | N          | 200        | N           | >1,000      | N           |
| IPW110R  | N           | N           | N           | N           | <10        | N          | N          | N           | 50          | N           |
| IPW111R  | N           | N           | N           | N           | <10        | N          | N          | N           | 50          | N           |
| IPW112R  | N           | N           | N           | N           | 30         | N          | N          | N           | 50          | N           |
| IPW113R  | N           | <5          | N           | N           | 10         | N          | 30         | N           | 150         | N           |
| IPW114R  | N           | <5          | N           | N           | 10         | N          | 30         | N           | 200         | N           |
| IPW115R  | N           | N           | N           | N           | <10        | N          | N          | N           | 20          | N           |
| IPW116R  | N           | N           | N           | N           | <10        | N          | 20         | N           | 150         | N           |
| IPW117R  | N           | <5          | N           | N           | <10        | N          | 70         | N           | 300         | N           |
| IPW118R  | N           | N           | N           | N           | N          | N          | 30         | N           | 200         | N           |
| IPW119R  | N           | <5          | 20          | N           | 10         | N          | 30         | N           | 150         | N           |
| IPW120R  | N           | N           | 30          | N           | <10        | N          | 30         | N           | 150         | N           |
| IPW121R  | N           | N           | N           | N           | <10        | N          | N          | N           | 70          | N           |
| IPW122AR | N           | <5          | 20          | N           | <10        | N          | 20         | N           | 150         | N           |
| IPW124R  | N           | <5          | <10         | N           | <10        | N          | 70         | N           | 300         | N           |
| IPW125R  | N           | 7           | N           | 500         | 70         | N          | 70         | N           | 300         | N           |
| IPW126R  | N           | 7           | N           | <100        | 10         | N          | 100        | N           | 700         | N           |
| IPW127R  | N           | <5          | N           | N           | <10        | N          | 70         | N           | 200         | N           |
| IPW128R  | N           | <5          | 70          | N           | <10        | N          | 70         | N           | 200         | N           |
| IPW129R  | N           | <5          | N           | N           | <10        | N          | 50         | N           | 300         | N           |
| IPW130R  | N           | 5           | <10         | N           | 20         | N          | 50         | N           | 300         | N           |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample   | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-ACT-TH<br>(ppm) | N-ACT-U<br>(ppm) |
|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| IPW37R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW38R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW39R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW40R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW42R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW43R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW44R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW50R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW67R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW75R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW76R   | --           | --           | --           | --           | --           | --           | --           | 7--          | --                | --               |
| IPW77R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW78R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IFW20R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IFW84R   | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW92R   | --           | 14           | 10           | 10           | .10          | N            | N            | 1            | --                | --               |
| IPW101R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW102R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW103AR | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW103BR | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW104R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IFW105R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW106R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IFW107R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW109R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IFW110R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW111R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW112R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW113R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW114R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW115R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW116R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW117R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW118R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW119R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW120R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW121R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW122AR | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW124R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW125R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW126R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW127R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW128R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW129R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW130R  | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |



Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Latitude | Longitude | Fe-ppt.<br>% | Mg-ppt.<br>% | Ca-ppt.<br>% | Ti-ppt.<br>% | Mn-ppt.<br>% | Ag-ppt.<br>% | As-ppt.<br>% | AU-ppt.<br>% | B-ppt.<br>% | Ba-ppt.<br>% |
|---------|----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|
| IPW131R | 44 26 18 | 112 59 0  | 3.00         | .30          | .05          | .200         | 70           | N            | N            | N            | 70          | 5,000        |
| IPW132R | 44 26 3  | 112 58 52 | 2.00         | .10          | .05          | .200         | 30           | N            | N            | N            | 70          | 50           |
| IPW133R | 44 25 35 | 112 59 13 | .70          | .15          | .10          | .050         | 150          | N            | N            | N            | 10          | 100          |
| IPW134R | 44 25 42 | 112 59 18 | 1.50         | .30          | .20          | .150         | 500          | N            | N            | N            | 50          | 150          |
| IPW135R | 44 25 47 | 112 59 41 | .50          | .15          | <.05         | .100         | 30           | N            | N            | N            | 50          | 200          |
| IPW136R | 44 25 52 | 112 59 49 | .05          | <.02         | <.05         | .007         | <10          | N            | N            | N            | N           | 30           |
| IPW137R | 44 26 3  | 113 0 0   | .70          | <.02         | <.05         | .015         | 20           | N            | N            | N            | N           | 50           |
| IPW138R | 44 26 16 | 112 59 57 | .20          | <.02         | <.05         | .020         | 3,000        | N            | N            | N            | N           | 700          |
| IPW139R | 44 26 16 | 112 59 57 | 3.00         | .20          | <.05         | .150         | 200          | 1.0          | N            | N            | 15          | 2,000        |
| IPW159R | 44 26 40 | 113 0 2   | 3.00         | .30          | <.05         | .150         | 300          | N            | N            | N            | 15          | 70           |
| IPW160R | 44 26 32 | 113 0 6   | 2.00         | .20          | <.05         | .150         | 1,500        | N            | N            | N            | 50          | 200          |
| IPW161R | 44 26 32 | 113 0 6   | 3.00         | .10          | .05          | .100         | 2,000        | N            | N            | N            | 70          | 700          |
| IPW162R | 44 26 32 | 113 0 6   | .30          | <.02         | <.05         | .007         | <10          | N            | N            | N            | N           | <20          |
| IPW163R | 44 26 33 | 113 0 15  | 1.50         | .20          | .07          | .100         | 150          | 1.0          | N            | N            | 200         | 150          |
| IPW164R | 44 26 33 | 113 0 15  | 1.00         | .30          | <.05         | .150         | 30           | N            | N            | N            | 150         | 100          |
| IPW165R | 44 26 33 | 113 0 15  | 1.00         | .30          | <.05         | .150         | 20           | .7           | N            | N            | 200         | 70           |
| IPW168R | 44 26 34 | 112 59 53 | 5.00         | .07          | <.05         | .200         | 1,500        | N            | N            | N            | 300         | 700          |
| IPW169R | 44 26 34 | 112 59 53 | 3.00         | .05          | <.05         | .150         | 200          | N            | N            | N            | 100         | 70           |
| IPW1720 | 44 26 35 | 113 0 31  | 2.00         | <.02         | <.05         | .030         | 700          | <.5          | N            | N            | N           | 150          |
| IPW175R | 44 26 50 | 112 59 47 | 1.00         | .10          | <.05         | .070         | 50           | N            | N            | N            | 50          | 150          |
| IPW176R | 44 26 35 | 113 0 25  | 7.00         | .20          | .05          | .300         | 70           | N            | N            | N            | 20          | 1,000        |
| IPW177R | 44 24 58 | 112 55 14 | .30          | 1.00         | >20.00       | .030         | 300          | <.5          | N            | N            | N           | 70           |
| IPW178R | 44 25 16 | 112 54 58 | 3.00         | 3.00         | 3.00         | .700         | 1,000        | N            | N            | N            | 20          | 1,000        |
| IPW179R | 44 25 39 | 112 55 8  | 5.00         | 5.00         | 5.00         | .700         | 1,000        | N            | N            | N            | 20          | 1,000        |
| IPW180R | 44 25 47 | 112 55 6  | .20          | .05          | .05          | .030         | 30           | N            | N            | N            | <10         | 300          |
| IPW203R | 44 25 22 | 112 57 56 | 3.00         | 2.00         | .70          | .500         | 700          | <.5          | N            | N            | 200         | 700          |
| IPW204R | 44 25 1  | 112 56 56 | <.05         | .07          | .10          | .010         | <10          | <.5          | N            | N            | N           | 70           |
| IPW205R | 44 24 46 | 112 55 42 | .30          | .15          | .20          | .010         | 15           | <.5          | N            | N            | N           | 50           |
| IPW206R | 44 24 35 | 112 55 15 | 10.00        | .10          | .07          | .010         | 150          | N            | 500          | N            | N           | 20           |
| IPW207R | 44 24 14 | 112 54 54 | .15          | 1.00         | >20.00       | .050         | 70           | N            | N            | N            | <10         | <20          |
| IPW208R | 44 23 59 | 112 54 4  | .10          | 1.00         | >20.00       | .007         | 150          | .5           | N            | N            | N           | N            |
| IPW209R | 44 24 8  | 112 53 2  | .70          | .50          | .50          | .200         | 20           | N            | N            | N            | 100         | 300          |
| IPW210R | 44 24 8  | 112 53 2  | 1.00         | 1.50         | >20.00       | .100         | 700          | N            | N            | N            | 30          | 200          |
| IPW212R | 44 26 21 | 113 0 50  | .15          | <.02         | .30          | .015         | 15           | N            | N            | N            | N           | 20           |
| IPW213R | 44 26 10 | 113 0 45  | .30          | .30          | .50          | .100         | 30           | N            | N            | N            | 70          | 300          |
| IPW214R | 44 25 57 | 113 0 43  | .05          | <.02         | .05          | .007         | <10          | N            | N            | N            | N           | 20           |
| IPW215R | 44 25 39 | 113 0 45  | .10          | .03          | .05          | .020         | 50           | <.5          | N            | N            | 30          | 100          |
| IPW216R | 44 25 28 | 113 0 42  | .07          | 7.00         | 10.00        | .003         | 150          | <.5          | N            | N            | 10          | <20          |
| IPW302R | 44 22 37 | 112 53 4  | >20.00       | .15          | .10          | .020         | 200          | <.5          | N            | N            | N           | 1,000        |
| IPW303R | 44 22 44 | 112 53 2  | >20.00       | .20          | .70          | .030         | 200          | 1.0          | N            | N            | N           | 500          |
| IPW304R | 44 22 33 | 112 53 4  | >20.00       | .30          | 3.00         | .015         | 300          | 2.0          | N            | N            | N           | 700          |
| IPW305R | 44 22 29 | 112 53 5  | .30          | 10.00        | 15.00        | .007         | 300          | N            | N            | N            | N           | 30           |
| IPW306R | 44 22 29 | 112 53 5  | 2.00         | 5.00         | 2.00         | .050         | 1,000        | N            | N            | N            | <10         | 1,000        |
| IPW307R | 44 22 29 | 112 53 5  | .30          | .50          | >20.00       | .003         | 150          | N            | N            | N            | N           | 70           |
| IPW312R | 44 20 34 | 112 56 2  | 1.50         | .10          | .30          | .150         | 70           | <.5          | N            | N            | 100         | 150          |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Be-ppm<br>s | Bi-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| IPW131R | 3.0         | N           | N           | <5          | 10          | <5          | 150         | 7           | 100         | 10          | 10          |
| IPW132R | 5.0         | N           | N           | <5          | N           | <5          | 70          | 5           | 100         | 5           | <10         |
| IPW133R | 3.0         | N           | N           | N           | N           | <5          | 50          | N           | 30          | 5           | 10          |
| IPW134R | 3.0         | N           | N           | <5          | <10         | <5          | 200         | N           | 70          | 5           | <10         |
| IPW135R | 1.5         | N           | N           | <5          | N           | <5          | 150         | N           | 70          | 5           | <10         |
| IPW136R | N           | N           | N           | <5          | N           | <5          | N           | N           | N           | 5           | <10         |
| IPW137R | N           | N           | N           | <5          | <10         | <5          | N           | N           | N           | 7           | 70          |
| IPW138R | 1.0         | N           | N           | 10          | 10          | 15          | N           | N           | N           | 7           | 300         |
| IPW139R | 2.0         | 50          | N           | 7           | N           | 70          | 150         | 100         | 70          | 15          | 50          |
| IPW159R | 5.0         | N           | N           | <5          | N           | 100         | 150         | 10          | 100         | 7           | 20          |
| IPW160R | 5.0         | N           | N           | N           | <10         | 20          | 100         | 10          | 70          | 5           | 20          |
| IPW161R | 7.0         | N           | N           | 7           | 10          | 100         | 150         | 15          | 70          | 7           | 150         |
| IPW162R | N           | N           | N           | N           | N           | <5          | N           | N           | N           | 5           | 30          |
| IPW163R | 3.0         | N           | N           | <5          | 15          | 15          | 150         | N           | 50          | 5           | 150         |
| IPW164R | 7.0         | N           | N           | N           | N           | <5          | 200         | N           | 150         | <5          | 15          |
| IPW165R | 1.5         | N           | N           | <5          | 10          | 5           | 150         | N           | 30          | 5           | 70          |
| IPW168R | 7.0         | N           | N           | 7           | 30          | 70          | 100         | 10          | 70          | 15          | 500         |
| IPW169R | 7.0         | N           | N           | 7           | 20          | 30          | 30          | 7           | 30          | 15          | 300         |
| IPW1720 | 2.0         | N           | N           | 7           | 10          | 20          | N           | N           | 20          | 20          | 150         |
| IPW175R | 2.0         | N           | N           | N           | 15          | 5           | 20          | N           | 50          | <5          | 20          |
| IPW176R | 2.0         | N           | N           | N           | 15          | <5          | 50          | N           | 50          | N           | 15          |
| IPW177R | <1.0        | N           | N           | N           | 50          | 10          | 20          | 7           | N           | 20          | <10         |
| IPW178R | 2.0         | N           | N           | 15          | 500         | 30          | 50          | N           | <20         | 70          | 30          |
| IPW179R | 2.0         | N           | N           | 20          | 300         | 50          | 50          | N           | N           | 100         | 30          |
| IPW180R | 1.0         | N           | N           | N           | <10         | 5           | N           | N           | N           | 5           | 10          |
| IPW203R | 2.0         | N           | N           | 5           | 100         | 20          | 50          | N           | 20          | 15          | 50          |
| IPW204R | <1.0        | N           | N           | <5          | <10         | <5          | <20         | N           | N           | 5           | N           |
| IPW205R | <1.0        | N           | N           | <5          | N           | 5           | <20         | N           | N           | 10          | 20          |
| IPW206R | 1.0         | N           | N           | 70          | 30          | 20          | <20         | 100         | N           | 150         | 150         |
| IPW207R | N           | N           | N           | N           | N           | <5          | 20          | N           | N           | 5           | N           |
| IPW208R | N           | N           | N           | N           | 50          | <5          | 20          | N           | N           | 5           | 50          |
| IPW209R | 3.0         | N           | N           | <5          | 10          | 7           | 200         | N           | 150         | 5           | 20          |
| IPW210R | <1.0        | N           | N           | 5           | 50          | 5           | 20          | N           | N           | 10          | 30          |
| IPW212R | <1.0        | N           | N           | <5          | 15          | <5          | 20          | N           | N           | 5           | 10          |
| IPW213R | 2.0         | N           | N           | <5          | 10          | <5          | 150         | N           | 50          | 5           | <10         |
| IPW214R | N           | N           | N           | <5          | N           | <5          | <20         | N           | N           | 5           | N           |
| IPW215R | <1.0        | N           | N           | 5           | 15          | 5           | <20         | N           | N           | 5           | 70          |
| IPW216R | <1.0        | N           | N           | N           | N           | <5          | 20          | N           | N           | N           | 20          |
| IPW302R | <1.0        | N           | N           | 10          | 15          | 30          | N           | 300         | N           | 200         | 300         |
| IPW303R | <1.0        | N           | N           | 10          | 20          | 20          | N           | 200         | N           | 100         | 300         |
| IPW304R | <1.0        | N           | N           | 15          | 20          | 10          | N           | 70          | N           | 150         | 300         |
| IPW305R | <1.0        | N           | N           | N           | 15          | <5          | N           | N           | N           | <5          | 20          |
| IPW306R | N           | N           | N           | 10          | 20          | 5           | <20         | 70          | N           | 100         | 30          |
| IPW307R | N           | N           | N           | N           | 10          | <5          | 200         | <5          | N           | 200         | 20          |
| IPW312R | 1.0         | N           | N           | <5          | 50          | <5          | 20          | N           | N           | 5           | 20          |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Sb-ppm<br>s | Sc-ppm<br>s | Sn-ppm<br>s | Sr-ppm<br>s | V-ppm<br>s | W-ppm<br>s | Y-ppm<br>s | Zn-ppm<br>s | Zr-ppm<br>s | Th-ppm<br>s |
|---------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|
| IPW151R | N           | 5           | N           | <100        | 30         | N          | 50         | N           | 300         | N           |
| IPW152R | N           | <5          | <10         | N           | 15         | N          | 70         | N           | 500         | N           |
| IPW153R | N           | <5          | 50          | N           | <10        | N          | 50         | N           | 150         | N           |
| IPW154R | N           | N           | <10         | N           | <10        | N          | 150        | N           | 500         | N           |
| IPW155R | N           | <5          | N           | N           | <10        | N          | 30         | N           | 200         | N           |
| IPW156R | N           | N           | N           | N           | <10        | N          | N          | N           | 15          | N           |
| IPW157R | N           | N           | N           | N           | 15         | N          | N          | N           | 70          | N           |
| IPW158R | N           | N           | N           | N           | 30         | N          | N          | N           | 50          | N           |
| IPW159R | N           | 5           | 30          | N           | 10         | N          | 100        | N           | 200         | N           |
| IPW159R | N           | N           | 29          | N           | <10        | N          | 70         | N           | >1,000      | N           |
| IPW160R | N           | N           | 20          | N           | <10        | N          | 70         | N           | 700         | N           |
| IPW161R | N           | <5          | N           | N           | 70         | N          | 70         | 300         | >1,000      | N           |
| IPW162R | N           | N           | N           | N           | <10        | N          | N          | N           | 20          | N           |
| IPW163R | N           | <5          | N           | N           | 50         | N          | 70         | N           | 100         | N           |
| IPW164R | N           | N           | <10         | N           | <10        | N          | 70         | N           | >1,000      | N           |
| IPW165R | N           | 5           | N           | N           | 70         | N          | 50         | N           | 200         | N           |
| IPW168R | N           | 5           | N           | N           | 100        | N          | 50         | 700         | 300         | N           |
| IPW169R | N           | <5          | N           | N           | 50         | N          | 20         | N           | 150         | N           |
| IPW1720 | N           | N           | N           | N           | 50         | N          | 15         | N           | 300         | N           |
| IPW175R | N           | N           | N           | N           | <10        | N          | 30         | N           | 300         | N           |
| IPW176R | N           | 5           | N           | N           | 15         | <50        | 70         | N           | 700         | N           |
| IPW177R | N           | N           | N           | 500         | 30         | N          | 20         | N           | 20          | N           |
| IPW178R | N           | 20          | N           | 700         | 200        | N          | 20         | N           | 200         | N           |
| IPW179R | N           | 20          | N           | 700         | 200        | N          | 20         | N           | 200         | N           |
| IPW180R | N           | N           | N           | N           | 10         | N          | N          | N           | 50          | N           |
| IPW203R | N           | 10          | N           | <100        | 100        | N          | 50         | N           | 300         | N           |
| IPW204R | N           | N           | N           | N           | <10        | N          | N          | N           | 30          | N           |
| IPW205R | N           | <5          | N           | N           | <10        | N          | N          | N           | 20          | N           |
| IPW206R | N           | <5          | N           | N           | 150        | N          | 15         | 10,000      | 15          | N           |
| IPW207R | N           | N           | N           | 300         | 20         | N          | 20         | N           | 70          | N           |
| IPW208R | N           | N           | N           | 500         | 15         | N          | 20         | N           | 10          | N           |
| IPW209R | N           | N           | 10          | N           | <10        | N          | 150        | N           | >1,000      | N           |
| IPW210R | N           | 5           | N           | 1,000       | 50         | N          | 20         | N           | 30          | N           |
| IPW212R | N           | N           | N           | N           | <10        | N          | N          | N           | 50          | N           |
| IPW213R | N           | N           | N           | N           | <10        | N          | 20         | N           | 150         | N           |
| IPW214R | N           | N           | N           | N           | <10        | N          | N          | N           | 20          | N           |
| IPW215R | N           | <5          | N           | N           | 10         | N          | N          | N           | 100         | N           |
| IPW216R | N           | N           | N           | N           | <10        | N          | <10        | N           | N           | N           |
| IPW302R | N           | N           | N           | N           | 20         | N          | <10        | 1,000       | N           | N           |
| IPW303R | N           | N           | N           | N           | 30         | N          | <10        | N           | N           | N           |
| IPW304R | N           | N           | N           | N           | 10         | N          | <10        | N           | N           | N           |
| IPW305R | N           | N           | N           | 200         | 10         | N          | N          | N           | N           | N           |
| IPW306R | N           | <5          | N           | 100         | 30         | N          | 10         | <200        | 30          | N           |
| IPW307R | N           | N           | N           | N           | <10        | N          | N          | 3,000       | N           | N           |
| IPW312R | N           | <5          | N           | 100         | 30         | N          | 15         | N           | 200         | N           |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued.

| Sample  | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-ACT-TH<br>(ppm) | N-ACT-U<br>(ppm) |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| IPW131R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW132R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW133R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW134R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW135R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW136R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW137R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW138R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW139R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW159R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW160R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW161R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW162R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW163R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW164R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW165R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW168R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW169R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW1720 | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW175R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW176R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW177R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW178R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW179R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW180R | --           | --           | --           | --           | --           | --           | --           | --           | --                | --               |
| IPW203R | --           | 2            | 11           | 1            | <.05         | <.05         | 1            | N            | --                | --               |
| IPW204R | --           | <1           | 6            | <1           | <.05         | <.05         | 1            | N            | --                | --               |
| IPW205R | --           | 1            | 3            | 1            | <.05         | <.05         | <1           | N            | --                | --               |
| IPW206R | --           | 4            | 45           | >5,000       | .06          | 1.40         | 1            | 2            | --                | --               |
| IPW207R | --           | <1           | 1            | 24           | .08          | .40          | 2            | N            | --                | --               |
| IPW208R | --           | 1            | 1            | 1            | <.05         | .10          | 1            | N            | --                | --               |
| IPW209R | --           | 1            | 1            | 3            | <.05         | .05          | <1           | N            | --                | --               |
| IPW210R | --           | 1            | 5            | 15           | <.05         | .20          | 1            | 1            | --                | --               |
| IPW212R | --           | <1           | 1            | 3            | <.05         | <.05         | 1            | N            | --                | --               |
| IPW213R | --           | 1            | 2            | 2            | <.05         | <.05         | <1           | N            | --                | --               |
| IPW214R | --           | <1           | 1            | 1            | <.05         | <.05         | <1           | N            | --                | --               |
| IPW215R | --           | 2            | 30           | 2            | .06          | <.05         | <1           | N            | --                | --               |
| IPW216R | --           | <1           | 4            | 6            | <.05         | .20          | <1           | 1            | --                | --               |
| IPW302R | --           | --           | --           | --           | --           | --           | --           | --           | <11.00            | 52.400           |
| IPW303R | --           | --           | --           | --           | --           | --           | --           | --           | <11.00            | 54.200           |
| IPW304R | --           | --           | --           | --           | --           | --           | --           | --           | <7.30             | 31.200           |
| IPW305R | --           | --           | --           | --           | --           | --           | --           | --           | <1.50             | .945             |
| IPW306R | --           | --           | --           | --           | --           | --           | --           | --           | <4.40             | 13.300           |
| IPW307R | --           | --           | --           | --           | --           | --           | --           | --           | <4.70             | 15.300           |
| IPW312R | --           | --           | --           | --           | --           | --           | --           | --           | 5.64              | 1.800            |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Latitude | Longitude | Fe-pct.<br>s | Mg-pct.<br>s | Ca-pct.<br>s | Ti-pct.<br>s | Mn-ppm<br>s | Ag-ppm<br>s | As-ppm<br>s | Au-ppm<br>s | B-ppm<br>s | Ba-ppm<br>s |
|---------|----------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|
| IPW314R | 44 23 6  | 112 52 52 | .70          | .70          | >20.00       | .070         | 500         | N           | N           | N           | 20         | 70          |
| IPW315R | 44 23 13 | 112 52 54 | .70          | .20          | .15          | .070         | 70          | .7          | N           | N           | 70         | 150         |
| IPW316R | 44 23 19 | 112 52 58 | 3.00         | .30          | .20          | .100         | 50          | 3.0         | N           | N           | 100        | 300         |
| IPW317R | 44 23 32 | 112 52 59 | >20.00       | .30          | .15          | .070         | 1,000       | <.5         | N           | N           | 15         | 700         |
| IPW319R | 44 24 15 | 112 53 16 | .30          | .07          | .07          | .015         | 70          | N           | N           | N           | 15         | 70          |
| IPW320R | 44 24 23 | 112 53 31 | 1.50         | .30          | <.05         | .200         | 70          | N           | N           | N           | 200        | 150         |
| IPW321R | 44 24 6  | 112 53 37 | 2.00         | .30          | .07          | .150         | 100         | N           | N           | N           | 150        | 500         |
| IPW322R | 44 23 49 | 112 53 42 | >20.00       | .15          | .30          | .015         | 500         | N           | N           | N           | N          | 1,500       |
| IPW330R | 44 27 8  | 112 58 33 | 5.00         | 2.00         | 2.00         | .500         | 700         | N           | N           | N           | 15         | 2,000       |
| IPW331R | 44 27 15 | 112 58 49 | 5.00         | 2.00         | 2.00         | .700         | 1,000       | N           | N           | N           | 15         | 2,000       |
| IPW332R | 44 27 15 | 112 58 58 | 5.00         | 2.00         | 2.00         | .500         | 700         | N           | N           | N           | 10         | 1,000       |
| IPW354R | 44 17 55 | 112 44 30 | .10          | 2.00         | 20.00        | .015         | 100         | N           | N           | N           | N          | <20         |
| IPW355R | 44 17 55 | 112 44 39 | 3.00         | 3.00         | 20.00        | .050         | 2,000       | 1.5         | N           | N           | <10        | 150         |
| IPW356R | 44 17 55 | 112 44 39 | 5.00         | .10          | .50          | .030         | 200         | .7          | N           | N           | 10         | 200         |
| IPW357R | 44 17 55 | 112 44 39 | 20.00        | .20          | .20          | .030         | 500         | 3.0         | 300         | N           | N          | 300         |
| IPW365R | 44 21 55 | 112 56 30 | 20.00        | .30          | 2.00         | .020         | 150         | 1.0         | N           | N           | N          | 20          |
| IPW368R | 44 22 26 | 112 58 14 | 7.00         | 7.00         | 10.00        | .007         | 1,000       | 3.0         | N           | N           | N          | <20         |
| IPW369R | 44 22 20 | 112 58 2  | 15.00        | 1.50         | 10.00        | .010         | 2,000       | 20.0        | 1,500       | N           | N          | 20          |
| IPW370R | 44 22 19 | 112 58 24 | 7.00         | .07          | .50          | .005         | 1,000       | 50.0        | 700         | N           | 10         | <20         |
| IPW401R | 44 23 2  | 112 47 49 | .50          | 7.00         | 15.00        | .015         | 700         | N           | N           | N           | N          | <20         |
| IPW402R | 44 23 2  | 112 47 49 | 10.00        | 7.00         | 10.00        | .010         | 300         | 3.0         | 1,000       | N           | N          | <20         |
| IPW403R | 44 23 1  | 112 47 49 | >20.00       | .30          | 2.00         | .010         | 200         | N           | 1,000       | N           | N          | 200         |
| IPW4040 | 44 23 3  | 112 47 42 | 15.00        | 3.00         | 10.00        | .007         | 200         | 10.0        | 3,000       | N           | N          | 30          |
| IPW405R | 44 22 58 | 112 47 49 | .70          | .30          | <.05         | .100         | 100         | N           | N           | N           | 150        | 300         |
| IPW406R | 44 22 59 | 112 47 53 | .70          | .50          | <.05         | .150         | 20          | N           | N           | N           | 100        | 300         |
| IPW407R | 44 25 4  | 113 0 42  | 1.00         | .05          | <.05         | .070         | 20          | N           | N           | N           | 70         | <20         |
| IPW408R | 44 25 57 | 113 0 43  | .20          | .10          | <.05         | .150         | 15          | N           | N           | N           | 70         | 200         |
| IPW409R | 44 26 4  | 113 0 44  | 1.00         | .10          | <.05         | .070         | 70          | N           | N           | N           | 70         | <20         |
| IPW410R | 44 26 10 | 113 0 57  | 1.00         | .05          | .05          | .100         | 150         | N           | N           | N           | 15         | 150         |
| IPW411R | 44 26 7  | 113 0 20  | .50          | .07          | .05          | .150         | 200         | N           | N           | N           | 20         | 200         |
| IPW416R | 44 21 13 | 112 53 40 | .70          | .50          | 15.00        | .200         | 100         | N           | N           | N           | 50         | 100         |
| IPW417R | 44 21 12 | 112 53 40 | .07          | .30          | 20.00        | .015         | 100         | N           | N           | N           | 10         | <20         |
| IPW418R | 44 25 15 | 112 49 19 | .15          | .50          | 15.00        | .100         | 70          | N           | N           | N           | 20         | <20         |
| IPW419R | 44 25 15 | 112 49 19 | .15          | .10          | 5.00         | .050         | 70          | N           | N           | N           | N          | 20          |
| IPW420R | 44 21 14 | 112 41 15 | 20.00        | 2.00         | 10.00        | .010         | 500         | <.5         | N           | N           | N          | 20          |
| IPW423R | 44 21 13 | 112 41 14 | 1.00         | 10.00        | 15.00        | .015         | 700         | N           | N           | N           | 15         | <20         |
| IPW424R | 44 21 12 | 112 41 13 | 10.00        | .07          | 5.00         | .020         | 300         | <.5         | N           | N           | 20         | 50          |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Ba-ppm<br>s | Bi-ppm<br>s | Cd-ppm<br>s | Co-ppm<br>s | Cr-ppm<br>s | Cu-ppm<br>s | La-ppm<br>s | Mo-ppm<br>s | Nb-ppm<br>s | Ni-ppm<br>s | Pb-ppm<br>s |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| IPW314R | N           | N           | N           | N           | 50          | <5          | <20         | N           | N           | 5           | 15          |
| IPW315R | <1.0        | N           | N           | N           | 50          | 30          | <20         | 50          | N           | 70          | 15          |
| IPW316R | 1.0         | N           | N           | N           | 200         | 150         | 20          | 5           | N           | 100         | 20          |
| IPW317R | 1.0         | N           | N           | 7           | 30          | 30          | N           | 70          | N           | 200         | 300         |
| IPW319R | <1.0        | N           | N           | N           | 15          | <5          | <20         | <5          | N           | 5           | 70          |
| IPW320R | 2.0         | N           | N           | 10          | 50          | 5           | 20          | N           | N           | 20          | 20          |
| IPW321R | 1.5         | N           | N           | 5           | 50          | <5          | 50          | N           | N           | 10          | 15          |
| IPW322R | 20.0        | N           | N           | 20          | 20          | 300         | N           | 1,500       | N           | 3,000       | 150         |
| IPW330R | <1.0        | N           | N           | 15          | 70          | 30          | 70          | 10          | 20          | 30          | 30          |
| IPW331R | <1.0        | N           | N           | 15          | 70          | 30          | 70          | N           | 20          | 30          | 30          |
| IPW332R | <1.0        | N           | N           | 15          | 100         | 20          | 70          | N           | 20          | 30          | 20          |
| IPW354R | N           | N           | N           | 5           | 50          | <5          | <20         | N           | N           | <5          | <10         |
| IPW355R | <1.0        | N           | N           | 30          | 30          | 70          | <20         | 15          | N           | 500         | 150         |
| IPW356R | <1.0        | N           | N           | 5           | 30          | 30          | <20         | 150         | N           | 150         | 150         |
| IPW357R | 7.0         | N           | N           | 50          | 10          | 150         | <20         | 300         | N           | 2,000       | 300         |
| IPW365R | N           | N           | N           | N           | 50          | 10          | 20          | N           | N           | 50          | 300         |
| IPW368R | N           | N           | <20         | 10          | <10         | 20          | <20         | 150         | N           | 150         | 200         |
| IPW369R | <1.0        | N           | 150         | 7           | <10         | 100         | <20         | 100         | N           | 30          | 7,000       |
| IPW370R | 1.0         | N           | >500        | N           | <10         | 30          | <20         | N           | N           | 5           | 15,000      |
| IPW401R | N           | N           | N           | <5          | <10         | 30          | 20          | 10          | N           | 5           | 30          |
| IPW402R | N           | N           | N           | 30          | <10         | 2,000       | <20         | 100         | N           | 70          | 150         |
| IPW403R | N           | N           | N           | 30          | <10         | 3,000       | <20         | 150         | N           | 100         | 100         |
| IPW4040 | N           | <10         | N           | 30          | <10         | >20,000     | <20         | 100         | N           | 150         | 300         |
| IPW405R | 1.5         | N           | N           | 5           | <10         | 15          | 30          | N           | N           | 7           | 20          |
| IPW406R | 2.0         | N           | N           | <5          | 10          | 7           | 30          | N           | N           | 7           | 30          |
| IPW407R | 1.0         | N           | N           | N           | N           | 5           | 30          | N           | 20          | <5          | 30          |
| IPW408R | 1.5         | N           | N           | N           | N           | 5           | 50          | 15          | 20          | 7           | 20          |
| IPW409R | 3.0         | N           | N           | N           | N           | 5           | 30          | N           | 70          | <5          | 15          |
| IPW410R | 5.0         | N           | N           | <5          | N           | 5           | 30          | N           | 20          | <5          | 15          |
| IPW411R | 3.0         | N           | N           | N           | <10         | <5          | 50          | 5           | 20          | <5          | 10          |
| IPW416R | <1.0        | N           | N           | N           | 30          | 15          | 30          | N           | <20         | 5           | 20          |
| IPW417R | N           | N           | N           | N           | 10          | <5          | 30          | N           | N           | <5          | 10          |
| IPW418R | N           | N           | N           | N           | 30          | 5           | 20          | N           | N           | 5           | 50          |
| IPW419R | N           | N           | N           | N           | 15          | <5          | 20          | N           | N           | 10          | 15          |
| IPW420R | N           | N           | N           | 20          | <10         | 70          | N           | 300         | N           | 100         | 100         |
| IPW423R | N           | N           | N           | <5          | <10         | 5           | 20          | 15          | N           | 70          | 20          |
| IPW424R | 1.0         | N           | N           | 10          | 10          | 70          | 20          | 70          | N           | 200         | 100         |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | Su-ppm<br>s | Sc-ppm<br>s | Sn-ppm<br>s | Sr-ppm<br>s | V-ppm<br>s | W-ppm<br>s | Y-ppm<br>s | Zn-ppm<br>s | Zr-ppm<br>s | Th-ppm<br>s |
|---------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|-------------|
| IPW314K | N           | <5          | N           | 700         | 50         | N          | 20         | N           | 30          | N           |
| IPW315R | N           | N           | N           | N           | 700        | N          | 10         | N           | 30          | N           |
| IPW316R | N           | 7           | N           | N           | 200        | N          | 20         | <200        | 100         | N           |
| IPW317R | N           | 7           | N           | N           | 200        | N          | 20         | 10,000      | 20          | N           |
| IPW319R | N           | N           | N           | N           | 20         | N          | <10        | N           | 100         | N           |
| IPW320R | N           | 5           | N           | N           | 70         | N          | 10         | N           | 150         | N           |
| IPW321R | N           | 5           | N           | N           | 50         | N          | 20         | N           | 150         | N           |
| IPW322K | N           | <5          | N           | N           | 1,500      | N          | 30         | 10,000      | N           | N           |
| IPW330R | N           | 15          | N           | 700         | 200        | N          | 20         | N           | 200         | N           |
| IPW331R | N           | 15          | N           | 700         | 200        | N          | 20         | N           | 200         | N           |
| IPW332R | N           | 15          | N           | 700         | 200        | N          | 30         | N           | 200         | N           |
| IPW334K | N           | N           | N           | 300         | 15         | N          | 20         | N           | 10          | N           |
| IPW335K | N           | <5          | N           | N           | 100        | N          | 15         | 500         | 20          | N           |
| IPW336R | N           | N           | N           | N           | 300        | N          | 20         | 300         | 20          | N           |
| IPW337R | N           | <5          | N           | N           | 300        | N          | 50         | 5,000       | 15          | N           |
| IPW365K | N           | N           | N           | N           | 200        | N          | 15         | 1,500       | N           | N           |
| IPW368R | N           | N           | N           | N           | 30         | N          | 15         | >10,000     | <10         | N           |
| IPW369K | <100        | N           | N           | N           | 10         | N          | 15         | >10,000     | <10         | N           |
| IPW370R | <100        | N           | N           | N           | 10         | N          | 10         | >10,000     | 10          | N           |
| IPW401K | N           | N           | N           | 100         | 10         | N          | <10        | N           | <10         | N           |
| IPW402R | N           | N           | N           | N           | 30         | N          | <10        | 300         | 30          | N           |
| IPW403K | N           | N           | N           | N           | 150        | N          | 15         | 500         | 10          | N           |
| IPW4040 | 300         | <5          | N           | N           | 70         | N          | <10        | 300         | <10         | N           |
| IPW405K | N           | <5          | N           | N           | 20         | N          | 15         | N           | 70          | N           |
| IPW406K | N           | <5          | N           | N           | 30         | N          | 10         | N           | 150         | N           |
| IPW407R | N           | <5          | 20          | N           | 10         | N          | 15         | N           | 150         | N           |
| IPW403K | N           | <5          | N           | N           | <10        | N          | 30         | N           | 200         | N           |
| IPW409R | N           | <5          | N           | N           | <10        | N          | 30         | N           | 300         | N           |
| IPW410K | N           | <5          | N           | N           | <10        | N          | 20         | N           | 150         | N           |
| IPW411R | N           | <5          | N           | N           | <10        | N          | 30         | N           | 100         | N           |
| IPW416R | N           | <5          | N           | <100        | 30         | N          | 15         | N           | 200         | N           |
| IPW417R | N           | N           | N           | 150         | 10         | N          | <10        | N           | 70          | N           |
| IPW418K | N           | N           | N           | N           | 10         | N          | 15         | N           | 500         | N           |
| IPW419R | N           | N           | N           | N           | 10         | N          | 10         | N           | 100         | N           |
| IPW420R | N           | N           | N           | N           | 70         | N          | <10        | 700         | N           | N           |
| IPW423R | N           | N           | N           | N           | 15         | N          | <10        | 200         | <10         | N           |
| IPW424R | N           | <5          | N           | N           | 300        | N          | 10         | 1,000       | 10          | N           |

Table 5.-- Analytical data for rocks from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana--continued

| Sample  | As-ppm<br>aa | Cu-ppm<br>aa | Pb-ppm<br>aa | Zn-ppm<br>aa | Ag-ppm<br>aa | Cd-ppm<br>aa | Bi-ppm<br>aa | Sb-ppm<br>aa | N-Act-TH<br>(ppm) | N-Act-U<br>(ppm) |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|------------------|
| IPW314R | --           | --           | --           | --           | --           | --           | --           | --           | <1.40             | .280             |
| IPW315R | --           | --           | --           | --           | --           | --           | --           | --           | <3.00             | 6.320            |
| IPW316R | --           | --           | --           | --           | --           | --           | --           | --           | <4.80             | 13.700           |
| IPW317R | --           | --           | --           | --           | --           | --           | --           | --           | <4.10             | 11.600           |
| IPW319R | --           | --           | --           | --           | --           | --           | --           | --           | 1.80              | .764             |
| IPW320R | --           | --           | --           | --           | --           | --           | --           | --           | 5.20              | 3.780            |
| IPW321R | --           | --           | --           | --           | --           | --           | --           | --           | 6.52              | 1.890            |
| IPW322R | --           | --           | --           | --           | --           | --           | --           | --           | <12.00            | 53.100           |
| IPW330R | --           | --           | --           | --           | --           | --           | --           | --           | 15.70             | 5.550            |
| IPW331R | --           | --           | --           | --           | --           | --           | --           | --           | 19.00             | 5.840            |
| IPW332R | --           | --           | --           | --           | --           | --           | --           | --           | 13.50             | 8.200            |
| IPW354R | --           | --           | --           | --           | --           | --           | --           | --           | <1.90             | .647             |
| IPW355R | --           | --           | --           | --           | --           | --           | --           | --           | <5.60             | 13.800           |
| IPW356R | --           | --           | --           | --           | --           | --           | --           | --           | <4.70             | 11.500           |
| IPW357R | --           | --           | --           | --           | --           | --           | --           | --           | <13.00            | 55.200           |
| IPW365R | --           | --           | --           | --           | --           | --           | --           | --           | <3.10             | 5.400            |
| IPW368R | --           | --           | --           | --           | --           | --           | --           | --           | <3.60             | 6.880            |
| IPW369R | --           | --           | --           | --           | --           | --           | --           | --           | <4.90             | 13.000           |
| IPW370R | --           | --           | --           | --           | --           | --           | --           | --           | <2.20             | 2.840            |
| IPW401R | 30           | --           | --           | 150          | --           | .60          | N            | 2            | --                | --               |
| IPW402R | 1,500        | --           | --           | 550          | --           | .80          | N            | 16           | --                | --               |
| IPW403R | 1,700        | --           | --           | 1,400        | --           | 2.90         | N            | 80           | --                | --               |
| IPW4040 | 3,000        | --           | --           | 550          | --           | 5.40         | 4            | 100          | --                | --               |
| IPW405R | 15           | --           | --           | 15           | --           | .20          | N            | 2            | --                | --               |
| IPW406R | 20           | --           | --           | 45           | --           | .10          | N            | 2            | --                | --               |
| IPW407R | 15           | --           | --           | 35           | --           | .10          | N            | 2            | --                | --               |
| IPW408R | 20           | --           | --           | 15           | --           | .10          | N            | 2            | --                | --               |
| IPW409R | 20           | --           | --           | 25           | --           | .10          | N            | 2            | --                | --               |
| IPW410R | 15           | --           | --           | 20           | --           | .10          | N            | <2           | --                | --               |
| IPW411R | 15           | --           | --           | 20           | --           | .10          | N            | 2            | --                | --               |
| IPW416R | 20           | --           | --           | 55           | --           | .40          | N            | <2           | --                | --               |
| IPW417R | 15           | --           | --           | 25           | --           | .30          | N            | 2            | --                | --               |
| IPW418R | 20           | --           | --           | 60           | --           | 3.20         | N            | 2            | --                | --               |
| IPW419R | 20           | --           | --           | 40           | --           | .30          | N            | 2            | --                | --               |
| IPW420R | 180          | --           | --           | 950          | --           | 2.60         | N            | 10           | --                | --               |
| IPW423R | 25           | --           | --           | 300          | --           | 2.00         | N            | 2            | --                | --               |
| IPW424R | 220          | --           | --           | 1,500        | --           | 1.80         | N            | 42           | --                | --               |



Table 6.--Analytical data for waters from the Italian Peak and Italian Peak Middle Roadless Areas, Idaho-Montana

| Sample Number | Latitude | Longitude | Cu<br>( $\mu\text{g/L}$ ) | Mo<br>( $\mu\text{g/L}$ ) | U<br>( $\mu\text{g/L}$ ) | Zn<br>( $\mu\text{g/L}$ ) | $\text{SO}_4^{--}$<br>(mg/L) | $\text{Cl}^-$<br>(mg/L) | $\text{F}^-$<br>(mg/L) | Specific Conductance<br>( $\mu\text{mhos/cm}$ ) |
|---------------|----------|-----------|---------------------------|---------------------------|--------------------------|---------------------------|------------------------------|-------------------------|------------------------|---|
| IPW002W       | 44 19 40 | 112 49 32 | 4.3                       | 2.3                       | .56                      | 4                         | 3.3                          | 1.7                     | .09                    | 280   |
| IPW003W       | 44 19 40 | 112 49 32 | 3.0                       | 1.5                       | .50                      | 7                         | 4.0                          | 1.1                     | .17                    | 245   |
| IPW004W       | 44 19 44 | 112 49 28 | 3.8                       | 1.7                       | 1.0                      | 6                         | 15                           | 1.5                     | 1.1                    | 235   |
| IPW012W       | 44 18 33 | 112 46 44 | 4.3                       | 2.8                       | 1.2                      | 16                        | 15                           | 2.4                     | .16                    | 325   |
| IPW018W       | 44 21 45 | 112 49 40 | <1.0                      | 2.8                       | .35                      | 16                        | 1.8                          | .34                     | .08                    | 134   |
| IPW034W       | 44 21 20 | 112 45 05 | 2.7                       | 6.3                       | 1.1                      | 490                       | 11                           | 1.9                     | .10                    | 180   |
| IPW047W       | 44 23 37 | 112 53 40 | 7.4                       | 1.8                       | .50                      | 700                       | 22                           | .88                     | .09                    | 260   |
| IPW054W       | 44 23 20 | 112 52 10 | 4.5                       | 1.2                       | .76                      | 11                        | 46                           | .73                     | .26                    | 360   |
| IPW055W       | 44 23 35 | 112 52 13 | 3.4                       | 2.2                       | .64                      | 5                         | 19                           | .33                     | .17                    | 280   |
| IPW056W       | 44 22 51 | 112 51 38 | 3.8                       | 2.7                       | .84                      | 6                         | 31                           | 1.2                     | .35                    | 390   |
| IPW061W       | 44 22 29 | 112 50 45 | 3.6                       | 1.3                       | .78                      | 7                         | 40                           | .70                     | .18                    | 320   |
| IPW065W       | 44 24 17 | 112 51 22 | 2.7                       | <1.0                      | .86                      | 290                       | 9.4                          | 1.5                     | .19                    | 245   |
| IPW068W       | 44 22 01 | 112 50 13 | 1.3                       | <1.0                      | .22                      | 6                         | 1.3                          | .20                     | .06                    | 135   |
| IPW069W       | 44 22 23 | 112 49 33 | 3.6                       | <1.0                      | .36                      | 15                        | 9.0                          | .41                     | .08                    | 245   |
| IPW071W       | 44 24 35 | 112 50 03 | 2.6                       | <1.0                      | .72                      | 10                        | 8.7                          | .79                     | .12                    | 260   |
| IPW072W       | 44 25 10 | 112 51 04 | 2.7                       | <1.0                      | .96                      | 350                       | 8.9                          | .94                     | .14                    | 240   |
| IPW079W       | 44 18 42 | 112 42 46 | 6.9                       | 34                        | 4.2                      | 310                       | 36                           | 1.9                     | .19                    | 420   |
| IPW082W       | 44 17 32 | 112 42 14 | 7.3                       | 28                        | 4.0                      | 70                        | 36                           | 2.1                     | .25                    | 420   |
| IPW089W       | 44 24 03 | 112 56 35 | 1.1                       | 1.8                       | .22                      | 1                         | 2.2                          | 1.4                     | .12                    | 116   |
| IPW091W       | 44 23 58 | 112 56 33 | 1.4                       | <1.0                      | .20                      | 3                         | 2.2                          | 1.5                     | .19                    | 116   |
| IPW094W       | 44 24 16 | 112 58 28 | <1.0                      | <1.0                      | .16                      | 1                         | 2.3                          | .86                     | .14                    | 90  |
| IPW142W       | 44 19 46 | 112 49 32 | 2.1                       | 2.3                       | .16                      | 36                        | 1.4                          | .54                     | .10                    | 24  |
| IPW352W       | 44 20 16 | 112 40 14 | <1.0                      | ---                       | -.20                     | 6                         | 9.6                          | .42                     | 5.7                    | 490   |
| IPW358W       | 44 17 46 | 112 44 12 | <1.0                      | ---                       | 1.8                      | 2                         | 13                           | .35                     | 16                     | 250   |
| IPW360W       | 44 16 31 | 112 45 18 | <1.0                      | ---                       | 3.4                      | 5                         | 29                           | .26                     | 16                     | 400   |
| IPW361W       | 44 20 29 | 112 50 44 | <1.0                      | ---                       | .90                      | 5                         | 4.2                          | 1.9                     | 3.4                    | 270   |
| IPW373W       | 44 15 26 | 112 38 21 | 1.5                       | ---                       | 1.6                      | 6                         | 60                           | 1.1                     | 5.4                    | 380   |
| IPW376W       | 44 17 29 | 112 41 04 | 1.6                       | ---                       | 5.7                      | 45                        | 75                           | .25                     | 5.9                    | 570   |
| IPW380W       | 44 18 43 | 112 39 12 | <1.0                      | ---                       | 2.8                      | 8                         | 8.9                          | .74                     | .77                    | 350   |