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GEOLOGICAL SURVEY

**Analytical results and sample locality maps
for stream-sediment, heavy-mineral-concentrate, and rock samples,
Kings River, Rancheria, Agnew, and Oat Mountain
Roadless Areas, Fresno County, California**

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STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the Kings River (B5198), Rancheria (C5198), Agnew (5199), and Oat Mountain (5197) Roadless Areas in the Sierra and Sequoia National Forests, Fresno County, California. The roadless areas were classified as further planning areas during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

In 1981 and 1982 we conducted a reconnaissance geochemical survey of the Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, Fresno County, California. The Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas comprise about 145 mi² in eastern Fresno County, California, and lie about 28 to 56 mi east of Fresno, California (fig. 1). Access to the Kings River, Agnew, and Oat Mountain Roadless Areas is provided by State Highway 180 and a Fresno County road to the Pine Flat Reservoir. State Highway 168 and a Fresno County road to the Wishon Reservoir provide access to the Rancheria Roadless Area.

Three major rock units are present in the region encompassing the four study areas. These are (1) the oldest rocks, which occur as roof pendants in the Sierra Nevada batholith and consist mainly of Triassic and Jurassic sedimentary rocks and Jurassic volcanic rocks; (2) Cretaceous plutonic rocks, which vary in composition from quartz monzonite to granodiorite to quartz diorite and have intruded and generally metamorphosed the older rocks; and (3) scattered remnants of late Tertiary olivine basalt flows. Also present locally are alluvial, colluvial, and glacial deposits of Quaternary age (Nokleberg and others, 1983).

The region encompassing the study areas is extremely rugged, with elevations ranging from 800 ft in the bottom of the Kings River Canyon at the western edge of the Oat Mountain Roadless Area to 10,051 ft at the top of Spanish Mountain on the boundary between the Kings River and Rancheria Roadless Areas (fig. 1).

METHODS OF STUDY

Sample Collection

We collected stream-sediment samples at 127 sites (plate 1), heavy-mineral-concentrate samples at 56 sites (plate 1), and rock samples at 388 sites (plate 2) for a sampling density of about 1 sample per 1.1 mi² for the stream-sediment samples, about 1 sample per 2.6 mi² for the heavy-mineral-concentrate samples, and about 1 sample per 0.4 mi² for the rock samples.

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 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 100 ft from the site plotted on the map (plate 1).

Heavy-mineral-concentrate samples

We prepared heavy-mineral-concentrate samples from the same active alluvium used for the stream-sediment samples. Concentrate samples provide information about the chemistry of a limited number of minerals in rock material eroded from the drainage basin upstream from each sample site. The selective concentration of minerals, many of which are ore-related, permits determination of some elements that are not easily detected in stream-sediment samples.

Rock samples

We collected rock samples from outcrops in the vicinity of each plotted site location (plate 2). Most samples were of fresh rock. These samples provide background geochemical information on elements in rocks that have not been affected by alteration or mineralization. In addition, some altered and mineralized rocks were collected.

Sample Preparation

The stream-sediment samples were oven dried and sieved to minus 80 mesh (0.17 mm) using stainless-steel sieves. The portion of the sediment passing through the sieve was pulverized and saved for analysis.

The heavy-mineral-concentrate samples were processed from the same sediment. Each bulk sample was passed through a 10-mesh (2.0-mm) screen to remove the coarse material. The sediment passing through the screen was panned until most of the quartz, feldspar, organic material, and clay-sized material was removed. The sample was air dried. Bromoform was used to separate and remove the remaining quartz and feldspars from the heavy-mineral concentrate. The heavy minerals (specific gravity >2.8) were separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material (mostly magnetite) was discarded. The second fraction (mostly ferromagnesian silicates and iron oxides) was saved for archival storage. The third fraction (the least magnetic material, which includes nonmagnetic ore minerals, zircon, sphene, and so on) was divided into two splits using a Jones splitter. One split was hand ground for spectrographic analysis; the other split was saved for mineralogical analysis.

The magnetic separates discussed are the same separates that would be produced by removing the magnetite with a hand magnet and then using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.1 ampere to remove the ilmenite, and then a current of 0.6 ampere to split the remainder of the sample into magnetic and nonmagnetic fractions.

Rock samples were crushed and then pulverized between ceramic plates to at least minus 100 mesh (0.15 mm).

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). 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 value at the 83 percent confidence level and plus or minus two reporting values 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. The upper and lower limits of determination for each element are listed in Table 1.

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

[The spectrographic limits of determination for heavy-mineral-concentrate samples are two reporting values higher than the limits given for rock and stream-sediment samples]

Element	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 Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas are summarized in table 2. Analytical results for stream-sediment, heavy-mineral-concentrate, and rock samples are given in tables 3, 4, and 5, respectively.

Table 2.--Chemical methods used

Sample type	Constituent determined	Analytical method	Lower limit of determination (ppm)	Analyst	Reference
Stream sediment	Zn	AA ¹	5	R. W. Leinz	Ward and others, 1969
Rock	Au-P ²	AA ¹	0.05	R. W. Leinz A. L. Gruzensky	Thompson, 1968
	Au-T ³	AA ¹	0.002	D. L. Fey	Meier, 1980

¹AA = atomic absorption spectrometry

²P = partial digestion

³T = total digestion

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a U.S. Geological Survey 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 binary form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1976).

DESCRIPTION OF TABLES 3-5

Tables 3-5 list the analyses for the samples of stream-sediment, concentrate, and rock, respectively. For the three tables the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers correspond to the numbers shown on the site location maps (plates 1 and 2). Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses. In a similar manner, "aa" indicates atomic absorption analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in table 1. If an element was

observed but was below the lowest reporting value, then a "less than" symbol (<) was entered in the tables in front of the lower limit of determination. If an element was observed but was above the highest reporting value, then a "greater than" symbol (>) was entered in the tables in front of the upper limit of determination. If an element was not looked for in a sample, then two dashes (--) are entered in tables 3-5 in place of an analytical value. Because of the formatting used in the computer program that produced tables 3-5, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeroes.

The spectrographic determinations for Ag, As, Au, Cd, Sb, and Zn in stream-sediment samples, for Au, Cd, and Zn in concentrate samples, and for Au in rock samples were all below the lower limits of determinations shown in table 1; consequently the columns for these elements have been deleted from tables 3, 4, and 5, respectively.

REFERENCES CITED

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Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Wt-pct. s	Mn-ppm s	B-ppm s	Ba-ppm s
81NK019A	36 53 25	119 7 12	5	1.5	3.0	1.0	1,500	20	700
81NK026C	36 49 52	119 8 48	5	1.5	3.0	1.0	1,500	20	500
81NK027A	36 49 24	119 8 30	5	.7	1.0	.5	1,000	50	1,500
81NK028A	36 49 0	119 8 26	5	1.0	2.0	.7	1,000	20	1,500
81NK033A	36 50 5	119 9 41	5	1.0	2.0	.7	1,000	50	1,000
81NK046A	36 46 43	119 0 32	2	.5	1.0	.2	500	<10	300
81NK053A	36 49 31	119 0 49	2	.5	1.5	.2	500	10	300
81NK054A	36 49 8	119 0 54	2	.5	1.5	.2	300	10	500
81NK059A	36 48 38	118 58 0	5	.7	2.0	.3	1,500	10	1,500
81NK060A	36 48 29	118 58 22	2	.5	1.5	.2	1,500	10	700
81NK071A	36 49 40	118 52 5	7	1.0	2.0	.5	1,000	10	300
81NK073A	36 47 50	118 53 32	5	1.0	2.0	.3	1,000	10	500
81NK074A	36 47 52	118 53 45	5	.7	2.0	.3	1,000	10	500
81NK094A	36 48 58	118 53 20	3	.7	1.5	.3	700	10	300
81NK095A	36 49 0	118 53 23	5	1.0	2.0	.3	1,000	10	300
81NK096A	36 49 8	118 53 8	5	1.0	2.0	.3	1,000	10	500
81RM001A	36 52 42	119 9 8	5	1.0	2.0	.5	1,000	50	500
81RM003B	36 53 4	119 9 20	5	1.5	2.0	.7	1,500	30	1,000
81RM006A	36 52 36	119 10 38	5	1.0	2.0	.7	1,000	20	700
81RM007C	36 52 27	119 10 59	5	1.0	2.0	.5	1,500	50	1,000
81RM015A	36 52 8	119 14 10	5	1.0	2.0	.7	1,000	20	500
81RM017A	36 52 7	119 13 1	5	1.0	2.0	.7	1,000	20	500
81RM018A	36 52 8	119 12 42	5	1.5	2.0	.7	1,000	20	700
81RM019A	36 52 22	119 11 49	5	1.0	3.0	1.0	1,500	20	1,000
81RM027A	36 52 4	119 8 29	5	1.0	1.5	.5	700	100	1,000
81RM028B	36 52 2	119 8 22	5	1.5	2.0	.5	1,500	20	1,000
81RM030A	36 52 45	119 7 3	5	1.5	3.0	.5	1,500	20	1,000
81RM031A	36 54 8	119 6 59	5	1.5	2.0	.7	1,500	10	200
81RM032A	36 54 25	119 5 33	5	1.5	3.0	.7	1,500	20	1,500
81RM041A	36 50 18	119 9 6	5	1.5	2.0	.7	1,500	20	300
81RM051A	36 48 20	119 3 41	5	1.5	2.0	.5	1,500	30	700
81RM052A	36 48 15	119 3 30	3	.7	1.5	.5	700	70	1,000
81RM077A	36 48 12	118 51 57	5	1.0	2.0	.3	1,000	10	500
81RM078A	36 48 32	118 51 22	5	1.0	2.0	.5	1,000	10	300
81RM097A	36 48 43	118 49 57	5	1.0	2.0	.5	1,000	10	300
81RM124A	36 56 27	118 55 30	5	1.0	2.0	.5	1,000	20	300
81SB004A	36 51 25	119 5 41	3	.7	1.5	.3	500	20	500
81SB012A	36 51 38	119 2 7	5	1.0	2.0	.3	700	20	1,000
81SB018A	36 50 27	119 5 16	5	1.0	2.0	.3	1,000	20	500
81SB019A	36 50 37	119 5 11	3	.7	1.5	.3	1,000	10	500
81SB023A	36 50 58	119 5 45	5	1.0	1.5	.5	1,000	70	300
81SB029A	36 49 47	119 3 25	3	.7	1.5	.3	1,000	30	700
81SB030A	36 50 6	119 3 18	3	1.0	2.0	.2	1,500	10	500
81SB032A	36 49 11	119 12 40	5	1.0	2.0	.5	1,500	20	500
81SB033A	36 49 57	119 13 31	7	1.0	2.0	.5	1,500	20	500

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
81NK019A	1.0	N	20	100	50	20	N	<20	20
81NK026C	1.0	N	20	100	50	30	N	<20	5
81NK027A	1.5	N	20	150	50	50	N	<20	70
81NK028A	1.0	N	20	100	50	50	N	<20	20
81NK033A	1.0	N	20	100	50	30	N	<20	20
81NK046A	2.0	N	5	N	<5	100	N	<20	<5
81NK053A	2.0	N	5	<10	<5	150	N	<20	<5
81NK054A	2.0	N	10	150	20	150	N	<20	50
81NK059A	2.0	N	10	20	10	200	N	<20	<5
81NK060A	2.0	N	10	70	10	200	N	<20	<5
81NK071A	1.0	N	20	30	10	30	N	<20	<5
81NK073A	1.5	N	20	20	5	50	N	<20	<5
81NK074A	1.5	N	15	10	10	50	N	<20	<5
81NK094A	2.0	N	15	10	10	50	N	<20	<5
81NK095A	2.0	N	20	100	10	50	N	<20	30
81NK096A	2.0	N	10	20	<5	50	N	<20	<5
81RM001A	1.0	N	20	100	50	30	N	<20	30
81RM003B	1.0	N	20	150	50	30	N	<20	30
81RM006A	1.0	N	20	100	50	30	N	<20	30
81RM007C	1.0	N	20	150	70	30	N	<20	70
81RM015A	1.0	N	20	100	50	50	N	<20	30
81RM017A	1.0	N	20	100	30	30	N	<20	20
81RM018A	1.0	N	30	100	30	30	N	<20	20
81RM019A	1.0	N	15	200	70	30	N	<20	50
81RM027A	1.0	N	15	150	70	50	N	<20	50
81RM028B	1.0	N	20	50	30	70	N	<20	10
81RM030A	1.0	N	20	100	50	50	N	<20	20
81RM031A	1.0	N	20	50	30	50	N	<20	10
81RM032A	1.0	N	20	150	50	50	N	<20	30
81RM041A	1.0	N	20	200	50	30	N	<20	30
81RM051A	1.0	N	20	50	20	30	N	<20	10
81RM052A	1.0	N	10	100	30	300	N	<20	20
81RM077A	2.0	N	10	10	<5	50	N	<20	<5
81RM078A	2.0	N	20	100	15	50	N	<20	10
81RM097A	2.0	N	20	100	15	50	N	<20	20
81RM124A	2.0	N	20	100	15	50	N	<20	20
81SB004A	2.0	N	10	30	10	70	N	<20	7
81SB012A	2.0	N	10	150	15	200	N	<20	70
81SB018A	1.0	N	15	20	20	20	N	<20	10
81SB019A	2.0	N	10	10	10	100	N	<20	5
81SB023A	1.0	N	20	70	50	30	N	<20	30
81SB029A	2.0	N	10	20	5	300	N	<20	<5
81SB030A	1.0	N	10	20	20	20	N	<20	<5
81SB032A	1.0	N	20	70	50	20	N	<20	15
81SB033A	1.0	N	30	200	30	20	N	<20	70

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s	Th-ppm s	Zn-ppm aa
81NK019A	20	30	N	500	200	N	50	150	N	--
81NK026C	50	50	N	500	200	N	70	700	N	--
81NK027A	30	20	N	200	150	N	50	300	N	--
81NK028A	30	30	N	300	200	N	70	500	N	--
81NK033A	30	30	N	300	200	N	50	300	N	--
81NK046A	30	7	N	200	50	N	20	200	N	--
81NK053A	30	5	N	300	30	N	20	70	N	--
81NK054A	30	7	N	300	50	N	20	100	N	--
81NK059A	50	10	N	500	50	N	50	700	N	--
81NK060A	30	7	N	300	50	N	30	500	N	--
81NK071A	20	20	N	300	100	N	30	500	N	--
81NK073A	20	30	20	200	100	N	70	1,000	N	--
81NK074A	30	20	N	300	100	N	50	300	N	--
81NK094A	20	15	N	200	70	N	50	200	N	--
81NK095A	20	20	N	200	100	N	50	300	N	--
81NK096A	20	30	N	300	100	N	50	300	N	--
81RM001A	20	20	N	300	200	N	50	200	N	--
81RM003B	30	50	N	500	300	N	70	200	N	--
81RM006A	20	20	N	200	200	N	50	300	N	--
81RM007C	30	30	N	200	200	N	50	300	N	--
81RM015A	20	30	N	500	200	N	30	300	N	--
81RM017A	30	30	N	500	200	N	30	150	N	--
81RM018A	30	30	N	500	200	N	30	150	N	--
81RM019A	20	30	N	500	200	N	50	300	N	--
81RM027A	30	20	N	200	200	N	30	200	N	--
81RM028B	30	30	N	500	200	N	50	500	N	--
81RM030A	20	30	N	500	200	N	50	200	N	--
81RM031A	20	30	N	300	200	N	50	70	N	--
81RM032A	30	50	N	500	200	N	70	300	N	--
81RM041A	20	30	N	300	200	N	50	300	N	--
81RM051A	20	30	N	300	200	N	50	300	N	--
81RM052A	30	10	N	300	100	N	50	300	N	--
81RM077A	30	30	N	300	100	N	70	500	N	--
81RM078A	20	30	N	500	200	N	50	100	N	--
81RM097A	20	30	N	300	100	N	50	200	N	--
81RM124A	20	30	N	300	100	N	70	300	N	--
81SB004A	20	15	N	300	100	N	30	200	N	--
81SB012A	50	20	N	500	100	N	50	300	N	--
81SB018A	10	20	N	300	100	N	30	200	N	--
81SB019A	20	10	N	200	50	N	30	200	N	--
81SB023A	10	20	N	200	100	N	30	100	N	--
81SB029A	30	20	N	300	70	N	70	500	N	--
81SB030A	10	20	N	300	100	N	50	500	N	--
81SB032A	20	20	N	300	100	N	50	300	N	--
81SB033A	20	30	N	300	150	N	50	200	N	--

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm %	B-ppm %	Ba-ppm %
81S8034A	36 50 12	119 13 48	7	1.0	2.0	1.0	2,000	20	200
81S8036A	36 49 8	119 5 13	5	1.0	2.0	.3	1,500	20	500
81S8042A	36 47 19	119 5 13	7	1.0	3.0	.5	1,500	50	500
81S8058A	36 48 18	119 4 3	5	1.0	1.0	.5	1,500	300	1,000
81ZN006A	36 51 41	119 6 10	5	1.0	1.0	.3	1,000	100	500
81ZN011A	36 51 45	119 2 45	7	1.5	2.0	.5	1,500	100	1,000
81ZN013A	36 51 37	119 3 38	10	1.5	3.0	1.0	2,000	20	1,000
81ZN014A	36 51 40	119 4 41	10	1.5	3.0	.5	2,000	20	1,000
81ZN015A	36 51 46	119 3 11	5	1.0	1.0	.5	1,000	100	1,000
81ZN016A	36 51 53	119 1 29	7	1.5	2.0	.7	1,500	20	300
81ZN020A	36 51 51	118 58 55	5	1.0	2.0	.7	1,500	10	300
81ZN021A	36 51 51	118 58 23	10	1.5	3.0	.7	1,500	10	500
81ZN022A	36 51 54	118 57 0	5	1.0	2.0	.5	1,000	15	500
82CB029A	36 47 31	118 44 21	5	1.5	5.0	.5	700	20	700
82CB030A	36 47 32	118 44 17	7	2.0	5.0	.1	1,500	15	700
82CB031A	36 47 33	118 44 11	5	1.5	3.0	.7	700	15	1,500
82JM041A	36 52 3	118 58 29	7	1.5	5.0	.1	1,500	15	700
82MC001A	36 52 32	119 5 50	5	1.0	1.5	.7	1,000	100	1,000
82MC002A	36 53 57	119 4 20	5	1.0	1.5	.7	1,000	100	700
82MC003A	36 54 3	119 4 18	5	1.0	5.0	1.0	1,000	10	700
82MC004A	36 52 16	119 1 37	7	2.0	2.0	1.0	1,500	<10	200
82MC005A	36 51 49	119 0 49	7	1.5	5.0	1.0	3,000	10	200
82MC006A	36 51 30	119 0 59	5	1.0	3.0	.5	1,000	10	1,500
82MC007A	36 51 22	119 0 11	10	2.0	3.0	1.0	1,500	15	300
82MC008A	36 51 18	118 59 55	5	1.5	3.0	.7	1,000	15	700
82MC009A	36 51 2	118 58 0	7	1.5	1.5	.7	1,500	10	500
82MC010A	36 51 12	118 57 12	3	.7	1.5	.5	700	70	1,500
82MC011A	36 52 3	118 56 39	5	1.0	2.0	.5	1,000	10	700
82MC012A	36 47 42	119 4 58	5	1.5	3.0	.5	1,500	50	700
82MC013A	36 48 41	119 2 39	2	.5	1.0	.5	700	15	700
82MC014A	36 50 1	119 12 21	7	1.5	3.0	>1.0	2,000	<10	300
82MC015A	36 56 11	118 54 47	7	2.0	5.0	.1	1,500	100	500
82MC016A	36 56 12	118 54 40	7	1.0	1.5	.7	1,000	20	500
82MC017A	36 56 33	118 55 32	5	1.5	3.0	.5	700	20	500
82MC018A	36 57 28	118 54 10	5	2.0	3.0	.5	700	15	1,000
82MC019A	36 57 21	118 54 9	5	1.5	1.5	.5	1,000	15	1,000
82MC020A	36 56 53	118 51 29	3	1.0	5.0	.5	700	15	700
82MC021A	36 58 32	118 55 13	5	1.0	3.0	.5	700	20	700
82MC022A	36 58 29	118 55 11	5	1.5	1.5	.5	700	20	1,000
82MC023A	36 57 21	118 57 25	7	3.0	5.0	1.0	1,000	20	1,000
82MC024A	36 57 25	118 57 31	5	1.0	1.5	.5	1,000	15	700
82MC025A	36 57 22	118 56 6	5	5.0	5.0	.7	1,000	30	1,500
82MC026A	36 57 11	118 56 7	5	1.5	2.0	.7	1,000	50	500
82MC027A	36 51 36	119 10 30	3	.7	1.0	.3	500	50	700
82MC028A	36 51 33	119 10 38	5	1.5	1.0	.7	1,000	150	1,000

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
81S8034A	1.0	N	20	70	50	70	N	<20	10
81S8036A	1.0	N	15	50	50	30	N	<20	20
81S8042A	1.0	N	20	50	15	20	N	<20	5
81S8058A	1.5	N	15	150	70	70	5	<20	70
81ZN006A	1.5	N	15	50	50	20	N	<20	30
81ZN011A	1.5	N	20	150	70	50	N	<20	50
81ZN013A	1.0	N	20	150	70	30	N	<20	50
81ZN014A	1.0	N	20	200	70	50	N	<20	50
81ZN015A	1.5	N	20	100	100	50	N	<20	70
81ZN016A	1.0	N	20	100	50	50	<5	<20	15
81ZN020A	1.0	20	10	30	10	50	N	<20	<5
81ZN021A	1.0	N	20	100	15	100	N	<20	15
81ZN022A	1.5	N	10	30	10	70	N	<20	<5
82C8029A	1.5	N	15	15	7	50	N	N	<5
82C8030A	1.5	N	20	30	20	70	N	N	7
82C8031A	1.5	N	30	300	50	50	N	N	70
82JM041A	1.5	N	30	50	15	50	N	N	50
82MC001A	1.0	N	20	70	70	50	N	N	50
82MC002A	1.5	N	20	150	50	30	N	N	50
82MC003A	1.5	N	10	50	7	50	N	N	7
82MC004A	<1.0	N	30	30	<5	<20	N	N	5
82MC005A	1.5	N	20	20	5	30	N	N	N
82MC006A	2.0	N	15	30	10	30	N	N	10
82MC007A	1.0	N	30	70	20	50	N	N	20
82MC008A	1.5	N	15	30	10	150	N	N	10
82MC009A	1.0	N	20	20	15	30	N	N	10
82MC010A	1.5	N	20	70	20	30	N	N	50
82MC011A	2.0	N	10	20	7	70	N	N	<5
82MC012A	1.0	N	15	20	15	20	N	N	7
82MC013A	2.0	N	5	15	<5	100	N	N	<5
82MC014A	<1.0	N	20	15	5	20	N	N	<5
82MC015A	1.5	N	30	200	15	50	N	N	50
82MC016A	1.0	N	20	100	20	50	N	N	20
82MC017A	1.5	N	20	70	15	100	N	N	20
82MC018A	1.5	N	20	500	20	70	N	N	100
82MC019A	1.5	N	30	200	30	50	N	N	150
82MC020A	2.0	N	10	100	10	70	N	N	15
82MC021A	1.5	N	15	150	15	30	N	N	30
82MC022A	2.0	N	15	200	20	50	N	N	100
82MC023A	1.5	N	30	500	20	70	N	N	150
82MC024A	1.5	N	20	150	15	70	N	N	100
82MC025A	1.5	N	30	700	30	50	N	N	200
82MC026A	1.5	N	20	150	20	30	N	N	50
82MC027A	1.0	N	15	50	50	30	N	N	20
82MC028A	1.0	N	30	150	70	30	N	N	70

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Pb--ppm s	Sc--ppm s	Sn--ppm s	Sr--ppm s	V--ppm s	W--ppm s	Y--ppm s	Zr--ppm s	Th--ppm s	Zn--ppm aa
81S8034A	20	30	N	300	100	N	50	300	N	--
81S8036A	20	30	N	300	150	N	50	200	N	--
81S8042A	20	30	N	300	150	N	50	500	N	--
81S8058A	30	20	N	200	200	N	50	200	N	--
81ZN006A	15	20	N	200	150	N	20	70	N	--
81ZN011A	30	30	N	300	200	N	50	200	N	--
81ZN013A	20	50	N	500	200	N	50	200	N	--
81ZN014A	20	30	N	500	300	N	50	500	N	--
81ZN015A	30	20	N	200	200	N	30	150	N	--
81ZN016A	20	30	N	300	200	N	50	300	N	--
81ZN020A	20	20	N	200	100	N	70	300	N	--
81ZN021A	20	30	N	500	200	N	70	500	N	--
81ZN022A	100	20	N	300	100	N	30	500	N	--
82C8029A	20	20	N	500	100	N	30	300	N	30
82C8030A	15	20	N	500	150	N	50	500	N	20
82C8031A	20	20	N	500	100	N	30	200	N	45
82JM041A	15	30	N	200	150	N	30	300	N	40
82MC001A	15	15	N	200	100	N	30	200	N	75
82MC002A	20	20	N	150	150	N	30	200	N	80
82MC003A	15	20	N	200	100	N	70	300	N	15
82MC004A	10	30	N	150	150	N	30	150	N	20
82MC005A	15	20	15	200	100	50	50	700	N	30
82MC006A	15	15	N	200	70	N	20	500	N	45
82MC007A	15	30	N	200	200	N	50	500	N	30
82MC008A	20	10	N	200	100	N	30	200	N	30
82MC009A	20	20	N	200	100	N	50	300	N	45
82MC010A	10	15	N	150	100	N	30	200	N	65
82MC011A	20	10	N	200	150	N	50	500	N	35
82MC012A	10	20	N	200	100	N	30	100	N	15
82MC013A	20	5	N	200	50	N	30	200	N	30
82MC014A	10	30	N	200	100	N	50	>1,000	N	25
82MC015A	15	20	N	200	150	N	50	500	N	25
82MC016A	20	20	N	200	100	N	50	500	N	30
82MC017A	15	20	N	200	100	N	70	500	N	35
82MC018A	20	15	N	200	70	N	20	300	100	30
82MC019A	20	15	N	200	100	N	20	500	N	40
82MC020A	20	10	N	300	70	N	20	300	N	25
82MC021A	20	10	N	200	100	N	20	300	N	35
82MC022A	20	7	N	300	70	N	20	200	N	20
82MC023A	15	20	N	300	150	N	50	500	N	30
82MC024A	20	20	N	200	100	N	30	500	N	40
82MC025A	30	20	N	300	100	N	30	300	N	35
82MC026A	20	20	N	200	100	N	50	300	N	30
82MC027A	20	10	N	100	100	N	20	100	N	110
82MC028A	20	20	N	100	150	N	20	150	N	65

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-ppt. s	Mn-ppt. s	B-ppt. s	Ba-ppt. s
82MC029A	36 50 56	119 7 28	7	2.0	2.0	1.0	2,000	20	300
82MC030A	36 50 58	119 7 32	5	1.5	1.0	.7	1,000	100	700
82MC031A	36 47 40	118 43 12	10	1.5	5.0	1.0	1,000	20	500
82MC032A	36 47 47	118 43 9	7	.7	2.0	.5	700	10	300
82MC033A	36 48 13	118 45 2	3	.7	1.5	.5	700	70	700
82MC034A	36 48 21	118 46 51	5	1.5	2.0	.7	1,000	30	500
82MC035A	36 48 19	118 48 39	5	1.0	3.0	.5	700	15	700
82MC036A	36 48 1	118 48 8	5	1.0	2.0	.5	1,000	50	700
82MC037A	36 47 13	118 47 27	3	.7	1.5	.5	500	200	1,000
82MC038A	36 50 14	118 52 47	5	1.5	2.0	.5	1,000	10	500
82MC039A	36 50 33	118 52 11	5	.5	1.0	.3	700	10	500
82MC040A	36 50 31	118 52 7	7	1.5	5.0	1.0	1,500	50	700
82MC041A	36 51 7	118 53 55	7	.7	1.5	.5	1,000	15	500
82MC042A	36 50 58	118 55 13	5	.7	1.5	.5	1,000	<10	500
82MC043A	36 50 57	118 55 48	5	1.5	5.0	.7	1,000	10	500
82MC044A	36 51 12	119 14 59	5	1.5	2.0	.7	1,000	20	500
82MC045A	36 52 57	118 59 3	5	1.5	1.5	.5	700	<10	300
82MC046A	36 52 59	118 58 58	5	1.5	3.0	1.0	1,000	15	500
82MC047A	36 53 38	118 57 21	5	1.5	3.0	.7	1,000	10	500
82MC048A	36 53 36	118 57 13	7	1.0	3.0	.7	1,000	10	300
82MC049A	36 52 41	118 55 59	3	1.0	2.0	.5	1,000	<10	700
82MC050A	36 52 59	118 55 24	7	1.5	2.0	.5	700	20	300
82MC051A	36 52 58	118 55 20	5	1.5	5.0	1.0	1,000	20	500
82MC052A	36 52 38	118 53 21	3	.5	1.0	.5	700	15	300
82MC053A	36 52 38	118 53 13	3	.7	1.5	.3	700	10	500
82MC054A	36 51 31	118 52 22	3	.7	1.5	.3	700	15	500
82MC055A	36 51 28	118 52 26	3	.5	1.5	.5	500	15	500
82MC056A	36 49 36	118 58 59	5	1.5	2.0	.5	2,000	20	700
82MC057A	36 49 0	118 50 22	3	1.0	2.0	.7	1,000	<10	2,000
82MC058A	36 48 48	118 49 59	5	1.0	1.5	.5	1,000	50	300
82MC059A	36 48 49	118 48 57	3	1.5	5.0	.5	1,500	100	500
82NK033A	36 47 38	119 2 38	5	1.5	3.0	.7	700	30	500
82NK034A	36 47 42	119 2 33	3	.7	1.5	.5	1,000	15	700
82NK051A	36 47 43	119 1 52	2	.5	2.0	.3	500	10	1,000
82NK052A	36 47 48	119 1 51	5	1.0	3.0	.7	1,000	15	700
82RM047A	36 51 21	119 12 59	3	1.0	2.0	.5	1,000	20	1,000
82SB061C	36 46 52	118 47 52	5	1.0	2.0	.5	1,000	15	700

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
82MC029A	<1.0	N	30	50	20	<20	N	N	10
82MC030A	1.0	N	30	100	50	50	N	N	70
82MC031A	1.5	N	20	150	20	100	N	N	15
82MC032A	1.5	N	15	20	20	50	N	N	7
82MC033A	1.5	N	10	50	20	100	N	N	20
82MC034A	1.0	N	20	30	5	20	N	N	5
82MC035A	2.0	N	15	20	10	50	N	N	<5
82MC036A	2.0	N	10	20	15	50	N	N	10
82MC037A	2.0	N	7	30	20	30	N	N	30
82MC038A	1.0	N	20	70	5	20	N	N	20
82MC039A	2.0	N	7	20	<5	70	N	N	<5
82MC040A	1.5	N	10	100	15	100	N	<20	30
82MC041A	2.0	N	7	30	<5	150	N	<20	N
82MC042A	2.0	N	7	20	N	50	N	20	7
82MC043A	1.0	N	20	30	<5	50	N	N	5
82MC044A	<1.0	N	20	500	15	20	N	N	70
82MC045A	1.0	N	20	20	10	20	N	N	7
82MC046A	2.0	N	15	20	7	200	N	N	<5
82MC047A	1.5	N	20	20	15	30	N	N	5
82MC048A	2.0	N	15	20	7	50	N	<20	5
82MC049A	3.0	N	7	50	<5	70	N	N	30
82MC050A	1.0	N	20	30	10	30	N	N	5
82MC051A	2.0	N	20	20	15	150	N	N	5
82MC052A	2.0	N	5	10	N	100	N	<20	<5
82MC053A	2.0	N	7	15	N	50	N	N	5
82MC054A	3.0	N	7	10	N	70	N	N	5
82MC055A	3.0	N	5	30	<5	70	N	N	7
82MC056A	2.0	N	20	50	20	70	N	N	15
82MC057A	1.5	N	20	30	15	50	N	N	5
82MC058A	1.5	N	15	20	15	30	N	N	10
82MC059A	2.0	N	10	30	20	50	N	N	20
82NK033A	1.5	N	20	20	20	50	N	N	7
82NK034A	5.0	N	7	15	<5	30	N	N	5
82NK051A	2.0	N	7	10	N	30	N	N	<5
82NK052A	1.5	N	10	15	<5	300	N	N	5
82RM047A	1.0	N	15	70	30	50	N	N	30
82SB061C	1.5	N	15	15	10	70	N	N	5

Table 3.--Data for stream-sediment samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s	Th-ppm s	Zn-ppm aa
82MC029A	15	30	N	200	200	N	20	100	N	30
82MC030A	20	20	N	150	100	N	50	300	N	65
82MC031A	15	15	N	300	200	N	50	500	100	20
82MC032A	10	10	N	200	150	N	20	300	N	40
82MC033A	15	7	N	200	50	N	30	200	N	50
82MC034A	15	20	N	200	100	N	20	300	N	25
82MC035A	20	15	N	200	100	N	30	300	N	30
82MC036A	30	10	N	200	100	N	30	300	N	35
82MC037A	15	10	N	150	150	N	20	500	N	60
82MC038A	15	30	N	200	100	N	50	500	N	25
82MC039A	20	7	N	200	100	N	50	300	N	30
82MC040A	15	20	N	200	150	N	50	300	N	25
82MC041A	20	10	N	200	100	<50	100	500	N	40
82MC042A	20	10	N	200	100	N	50	500	N	45
82MC043A	15	30	N	200	100	N	70	700	N	15
82MC044A	10	20	N	200	100	N	30	500	N	25
82MC045A	20	20	N	150	100	N	50	200	N	25
82MC046A	20	20	N	200	100	N	70	500	N	35
82MC047A	20	15	N	300	150	N	50	300	N	40
82MC048A	15	10	N	200	100	N	30	300	N	40
82MC049A	20	7	N	200	70	N	50	500	N	40
82MC050A	10	15	N	200	100	N	20	300	N	40
82MC051A	20	15	N	300	100	N	50	300	N	30
82MC052A	20	5	N	200	70	N	70	200	N	40
82MC053A	20	5	N	200	50	N	30	200	N	35
82MC054A	20	10	N	200	50	<50	50	200	N	45
82MC055A	20	7	N	200	50	N	50	300	N	35
82MC056A	50	15	N	200	100	N	20	200	N	60
82MC057A	15	15	N	200	100	N	20	300	N	45
82MC058A	15	15	N	200	100	N	30	300	N	50
82MC059A	15	7	N	150	70	N	30	150	N	80
82NK033A	15	20	N	300	150	N	30	300	N	40
82NK034A	20	7	N	200	50	N	30	200	N	45
82NK051A	20	7	N	200	50	N	15	200	N	30
82NK052A	15	10	N	300	70	N	50	200	<100	35
82RM047A	15	10	N	200	100	N	20	150	N	50
82S8061C	20	15	N	200	100	N	20	700	N	30

Table 4.--Data for concentrate samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s
82MC001B	36 52 32	119 5 50	.5	.30	15.0	>2.0	500	N	N	700	700
82MC002B	36 53 57	119 4 20	1.0	.20	1.5	>2.0	150	N	N	150	200
82MC003B	36 54 3	119 4 18	1.5	.70	10.0	>2.0	700	N	N	30	500
82MC004B	36 52 16	119 1 37	1.0	.20	10.0	>2.0	300	N	N	20	200
82MC005B	36 51 49	119 0 49	.7	.70	15.0	2.0	500	N	N	<20	300
82MC006B	36 51 30	119 0 59	1.0	.15	7.0	>2.0	500	N	2,000	100	500
82MC007B	36 51 22	119 0 11	1.0	.70	10.0	>2.0	300	N	N	<20	500
82MC008B	36 51 18	118 59 55	1.5	1.50	10.0	>2.0	500	N	500	70	500
82MC009B	36 51 2	118 58 0	2.0	.50	5.0	>2.0	300	N	N	<20	500
82MC011B	36 52 3	118 56 39	1.0	.50	15.0	>2.0	300	N	N	<20	200
82MC012B	36 47 42	119 4 58	1.0	.10	3.0	>2.0	150	N	N	50	500
82MC013B	36 48 41	119 2 39	.7	.10	3.0	>2.0	200	N	N	<20	700
82MC014B	36 50 1	119 12 21	.3	.07	10.0	>2.0	150	N	N	20	300
82MC015B	36 56 11	118 54 47	1.5	1.00	15.0	>2.0	700	N	N	50	100
82MC016B	36 56 12	118 54 40	.7	.20	20.0	>2.0	500	N	N	<20	300
82MC017B	36 56 33	118 55 32	.7	.50	15.0	>2.0	300	N	N	20	200
82MC018B	36 57 28	118 54 10	.7	.10	15.0	>2.0	1,000	N	N	<20	200
82MC019B	36 57 21	118 54 9	1.0	1.00	15.0	>2.0	1,000	N	N	<20	200
82MC020B	36 56 53	118 51 29	.7	.10	15.0	>2.0	700	N	N	<20	200
82MC021B	36 58 32	118 55 13	.7	.15	10.0	>2.0	700	N	N	<20	200
82MC022B	36 58 29	118 53 55	.7	1.00	15.0	>2.0	700	N	N	N	200
82MC023B	36 57 21	118 57 25	1.5	3.00	20.0	>2.0	1,000	N	N	70	200
82MC024B	36 57 25	118 57 31	.7	.15	15.0	>2.0	700	N	N	N	200
82MC025B	36 57 22	118 56 6	1.0	3.00	15.0	>2.0	1,000	N	N	N	200
82MC026B	36 57 11	118 56 7	1.5	1.00	20.0	>2.0	1,000	N	N	30	150
82MC027B	36 51 36	119 10 30	2.0	1.00	5.0	>2.0	200	N	N	200	700
82MC028B	36 51 33	119 10 38	1.0	.70	7.0	>2.0	1,500	N	N	1,500	300
82MC029B	36 50 56	119 7 28	2.0	1.00	10.0	>2.0	500	N	N	200	200
82MC030B	36 50 58	119 7 32	2.0	.70	10.0	>2.0	700	N	N	300	10,000
82MC032B	36 47 47	118 43 9	1.0	.15	20.0	>2.0	1,000	N	N	<20	<50
82MC033B	36 48 13	118 45 2	.7	.10	20.0	>2.0	700	N	N	N	300
82MC034B	36 48 21	118 46 51	.7	1.00	10.0	>2.0	700	N	N	<20	200
82MC035B	36 48 19	118 48 39	1.5	.50	15.0	>2.0	700	N	2,000	<20	200
82MC036B	36 48 1	118 48 8	1.0	3.00	10.0	2.0	500	N	N	70	200
82MC037B	36 47 13	118 47 27	.5	.70	15.0	>2.0	700	N	N	300	300
82MC038B	36 50 14	118 52 47	.7	.30	5.0	>2.0	200	N	N	<20	300
82MC039B	36 50 33	118 52 11	1.0	.30	7.0	>2.0	500	N	700	<20	300
82MC040B	36 50 31	118 52 7	1.0	.30	10.0	>2.0	1,000	N	5,000	20	300
82MC041B	36 51 7	118 53 55	2.0	.10	10.0	>2.0	500	N	N	<20	500
82MC042B	36 50 58	118 55 13	.7	.30	10.0	>2.0	1,000	N	N	<20	300
82MC043B	36 50 57	118 55 48	1.0	.20	10.0	>2.0	500	N	N	20	500
82MC044B	36 51 12	119 14 59	.7	.70	7.0	>2.0	300	N	N	50	300
82MC045B	36 52 57	118 59 3	.7	.15	3.0	>2.0	150	N	N	<20	500
82MC046B	36 52 59	118 58 58	.7	.20	15.0	>2.0	500	N	N	N	300
82MC047B	36 53 38	118 57 21	.5	.10	15.0	>2.0	500	N	N	N	300

Table 4.--Data for concentrate samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
82MC001B	N	N	10	150	N	100	N	150	N	N
82MC002B	N	N	<10	200	N	50	N	300	N	<20
82MC003B	N	<20	10	30	N	500	<10	150	10	<20
82MC004B	<2	N	<10	20	N	200	N	50	N	N
82MC005B	N	>2,000	10	<20	N	70	700	70	N	<20
82MC006B	N	20	10	30	<10	500	15	50	N	<20
82MC007B	N	N	<10	30	<10	100	N	N	<10	<20
82MC008B	N	N	15	20	15	1,500	15	N	<10	1,000
82MC009B	N	500	15	20	10	100	50	<50	10	150
82MC011B	N	2,000	20	20	<10	700	15	100	<10	<20
82MC012B	N	N	10	<20	N	50	N	<50	<10	N
82MC013B	N	N	<10	<20	10	2,000	N	N	N	20
82MC014B	N	N	<10	<20	<10	<50	N	N	10	<20
82MC015B	<2	20	10	50	N	300	10	50	N	N
82MC016B	N	50	10	50	10	500	20	100	<10	20
82MC017B	N	N	10	70	N	200	<10	<50	N	<20
82MC018B	N	300	50	20	20	700	<10	200	N	70
82MC019B	N	150	15	200	10	1,500	10	50	30	20
82MC020B	N	N	15	30	<10	1,000	20	150	N	20
82MC021B	N	N	15	20	<10	1,000	20	70	N	30
82MC022B	N	N	20	150	20	1,000	<10	150	30	30
82MC023B	N	20	50	500	<10	700	30	200	150	20
82MC024B	N	N	20	30	15	500	<10	100	N	30
82MC025B	N	N	50	500	N	700	20	150	150	20
82MC026B	N	30	15	100	N	700	20	100	30	20
82MC027B	<2	N	<10	150	15	150	N	200	<10	N
82MC028B	N	70	10	200	N	300	N	300	15	N
82MC029B	N	N	10	100	N	150	N	<50	<10	<20
82MC030B	<2	N	<10	200	<10	150	N	100	15	<20
82MC032B	N	N	15	20	N	2,000	70	300	N	<20
82MC033B	N	N	15	20	<10	700	50	200	N	<20
82MC034B	N	N	20	20	15	1,000	15	300	N	50
82MC035B	N	N	70	30	N	700	<10	100	15	100
82MC036B	N	N	<10	100	N	70	N	<50	<10	N
82MC037B	N	N	20	70	15	500	10	150	10	20
82MC038B	N	N	15	<20	15	70	<10	N	N	20
82MC039B	N	1,000	20	20	<10	1,000	100	100	N	20
82MC040B	N	70	100	20	150	1,500	150	200	<10	100
82MC041B	N	1,000	50	20	70	>2,000	15	50	10	70
82MC042B	N	100	30	20	20	2,000	10	70	N	70
82MC043B	N	150	20	20	15	150	N	70	<10	50
82MC044B	N	N	10	50	N	700	N	<50	20	<20
82MC045B	N	<20	10	N	10	150	N	N	<10	N
82MC046B	<2	1,000	<10	30	<10	1,000	N	150	N	30
82MC047B	N	500	15	<20	<10	200	N	50	N	20

Table 4.--Data for concentrate samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s	Th-ppm s
82MC001B	N	20	100	N	300	500	500	>2,000	N
82MC002B	N	30	<20	N	500	700	150	>2,000	1,000
82MC003B	N	15	100	N	200	150	1,000	>2,000	300
82MC004B	N	20	50	200	150	<100	500	>2,000	200
82MC005B	N	30	20	<200	70	>20,000	300	>2,000	500
82MC006B	N	30	100	N	150	500	700	>2,000	500
82MC007B	N	20	<20	500	100	150	500	>2,000	700
82MC008B	1,000	50	2,000	N	150	700	700	>2,000	200
82MC009B	N	70	50	N	150	1,000	700	>2,000	500
82MC011B	N	30	50	N	200	500	700	>2,000	1,500
82MC012B	N	70	30	N	100	100	700	>2,000	500
82MC013B	N	30	500	N	150	N	1,500	>2,000	500
82MC014B	N	70	<20	N	100	N	700	>2,000	300
82MC015B	N	15	30	N	200	500	500	>2,000	700
82MC016B	N	15	70	N	300	200	500	>2,000	2,000
82MC017B	N	30	20	N	200	100	500	>2,000	700
82MC018B	N	20	70	N	300	700	700	>2,000	>5,000
82MC019B	N	20	70	N	300	100	700	>2,000	2,000
82MC020B	N	15	70	N	300	N	700	>2,000	2,000
82MC021B	N	15	70	N	200	300	1,000	>2,000	3,000
82MC022B	N	30	70	N	200	<100	1,000	>2,000	5,000
82MC023B	N	20	70	N	200	<100	500	>2,000	1,000
82MC024B	N	15	70	N	300	150	700	>2,000	5,000
82MC025B	N	30	100	N	300	<100	700	>2,000	1,000
82MC026B	N	20	70	N	300	100	500	>2,000	700
82MC027B	N	15	N	200	200	1,500	70	2,000	N
82MC028B	N	30	50	N	300	300	200	>2,000	N
82MC029B	N	50	N	<200	200	100	300	>2,000	N
82MC030B	N	15	30	200	200	100	200	>2,000	N
82MC032B	N	10	150	N	300	<100	1,000	>2,000	1,000
82MC033B	N	10	100	N	300	100	1,000	>2,000	1,500
82MC034B	N	15	70	N	300	150	1,500	>2,000	5,000
82MC035B	N	20	100	N	100	100	1,000	>2,000	1,500
82MC036B	N	15	<20	N	150	N	150	>2,000	N
82MC037B	N	20	50	N	300	<100	700	>2,000	2,000
82MC038B	N	50	20	N	150	200	700	>2,000	2,000
82MC039B	N	30	20	N	100	1,000	700	>2,000	2,000
82MC040B	N	20	100	N	200	700	1,500	>2,000	3,000
82MC041B	N	50	N	N	200	100	1,500	>2,000	>5,000
82MC042B	N	30	30	N	300	150	1,000	>2,000	>5,000
82MC043B	N	30	70	N	200	150	500	>2,000	3,000
82MC044B	N	20	<20	300	150	N	300	>2,000	300
82MC045B	N	50	N	N	100	<100	700	>2,000	300
82MC046B	N	20	200	N	100	150	700	>2,000	700
82MC047B	N	20	30	N	200	N	700	>2,000	2,000

Table 4.--Data for concentrate samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s
82MC0488	36 53 36	118 57 13	1.0	.10	15.0	>2.0	500	N	N	N	150
82MC0498	36 52 41	118 55 59	1.5	.30	15.0	>2.0	700	N	N	N	200
82MC0508	36 52 59	118 55 24	1.5	1.50	10.0	>2.0	300	N	N	<20	100
82MC0518	36 52 58	118 55 20	1.0	.70	10.0	>2.0	300	N	N	<20	300
82MC0528	36 52 38	118 53 21	2.0	.20	1.0	2.0	1,500	N	N	20	500
82MC0538	36 52 38	118 53 13	1.0	.70	3.0	2.0	300	N	N	<20	500
82MC0548	36 51 31	118 52 22	1.5	.50	3.0	2.0	500	N	N	30	500
82MC0568	36 49 36	118 58 59	1.0	.20	15.0	>2.0	300	100	N	70	500
82MC0578	36 49 0	118 50 22	1.5	.50	20.0	>2.0	300	N	N	<20	300
82MC0588	36 48 48	118 49 59	2.0	1.00	3.0	1.5	300	N	1,000	20	700
82MC0598	36 48 49	118 48 57	2.0	3.00	5.0	1.5	300	N	N	150	5,000

Table 4.--Data for concentrate samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
82MC048B	N	2,000	70	20	N	500	200	70	N	30
82MC049B	N	500	15	50	10	2,000	N	200	<10	50
82MC050B	N	70	70	20	100	300	100	<50	<10	<20
82MC051B	N	1,500	30	20	100	200	50	50	<10	<20
82MC052B	2	N	30	30	10	>2,000	N	<50	N	50
82MC053B	N	50	15	70	10	>2,000	N	70	10	<20
82MC054B	N	>2,000	15	50	<10	>2,000	70	<50	10	50
82MC056B	N	30	10	30	2,000	>2,000	10	<50	<10	1,500
82MC057B	N	500	70	20	N	700	N	N	10	20
82MC058B	N	N	100	30	10	50	30	<50	20	<20
82MC059B	N	100	20	150	N	150	N	N	15	30

Table 4.--Data for concentrate samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sb-ppm \$	Sc-ppm \$	Sn-ppm \$	Sr-ppm \$	V-ppm \$	W-ppm \$	Y-ppm \$	Zr-ppm \$	Th-ppm \$
82MC0488	N	20	70	N	200	500	700	>2,000	1,000
82MC0498	N	20	100	N	300	150	1,000	>2,000	2,000
82MC0508	N	50	N	N	150	500	700	>2,000	1,500
82MC0518	N	30	20	<200	150	700	500	>2,000	1,500
82MC0528	N	70	20	N	50	500	>5,000	>2,000	>5,000
82MC0538	N	30	N	N	70	700	2,000	>2,000	5,000
82MC0548	N	20	N	N	50	1,500	2,000	>2,000	3,000
82MC0568	2,000	30	>2,000	N	100	500	1,000	>2,000	1,000
82MC0578	N	30	N	300	150	300	700	>2,000	300
82MC0588	N	10	N	<200	70	500	200	>2,000	200
82MC0598	N	<10	200	N	100	200	150	>2,000	200

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
81NK003A	36 53 10	119 9 8	2.00	.20	.70	.100	200	N	N	<10	500	1.0
81NK003B	36 53 10	119 9 8	7.00	1.00	1.50	.300	1,000	N	N	<10	700	<1.0
81NK008A	36 52 42	119 8 42	7.00	2.00	5.00	.300	1,500	N	N	10	500	<1.0
81NK010A	36 52 19	119 7 56	7.00	.70	1.50	1.000	1,000	N	N	30	5,000	<1.0
81NK016A	36 54 20	119 7 32	7.00	1.00	1.50	.300	1,000	N	N	10	200	1.0
81NK017A	36 54 12	119 7 10	1.00	.15	.50	.050	300	3.0	N	20	200	5.0
81NK018A	36 54 2	119 7 11	5.00	.70	.50	.300	500	N	N	10	5,000	1.0
81NK024A	36 49 19	119 7 49	7.00	1.00	1.00	.700	500	N	N	100	200	<1.0
81NK025A	36 48 31	119 7 26	<.05	<.02	<.05	N	70	N	N	<10	20	N
81NK026A	36 49 52	119 8 48	5.00	1.00	1.50	.300	700	N	N	<10	300	1.0
81NK026B	36 49 52	119 8 48	10.00	1.50	2.00	.500	1,000	N	N	10	300	<1.0
81NK029A	36 48 22	119 8 3	5.00	1.00	1.50	.300	1,000	N	N	10	700	1.0
81NK030B	36 50 42	119 14 28	10.00	2.00	10.00	.700	1,500	N	N	15	700	N
81NK031A	36 51 39	119 15 33	10.00	7.00	.07	.020	1,000	N	N	20	<20	N
81NK031B	36 51 39	119 15 33	10.00	3.00	5.00	.700	1,500	N	N	20	100	N
81NK032A	36 49 10	119 12 40	10.00	2.00	2.00	.500	1,000	N	N	20	700	N
81NK034A	36 46 36	119 2 22	1.50	.30	.50	.100	300	N	N	<10	1,000	1.5
81NK035A	36 46 30	119 1 15	1.50	.20	.50	.100	300	N	N	<10	1,000	1.5
81NK054B	36 49 8	119 0 54	1.50	.50	1.00	.200	500	N	N	<10	500	1.5
81NK055A	36 49 30	119 0 48	3.00	3.00	3.00	1.000	700	N	N	10	>5,000	1.0
81NK057A	36 49 17	118 57 37	2.00	.50	1.50	.200	300	N	N	<10	1,000	2.0
81NK058A	36 49 47	118 57 22	1.00	.20	1.00	.100	300	N	N	<10	1,000	2.0
81NK061A	36 49 24	118 55 47	3.00	1.00	3.00	.500	1,500	N	N	10	1,000	1.0
81NK062A	36 48 50	118 56 2	3.00	3.00	2.00	.300	1,000	N	N	<10	1,500	2.0
81NK065A	36 49 0	118 54 37	.50	.07	.20	.050	50	N	N	<10	300	2.0
81NK068A	36 48 46	118 59 44	2.00	.70	1.50	.300	1,000	N	N	10	1,500	1.5
81NK069A	36 49 49	118 54 1	3.00	1.00	2.00	.500	1,000	N	N	10	500	1.5
81NK070A	36 49 25	118 53 22	1.50	.50	1.50	.100	300	N	N	10	700	2.0
81NK072A	36 49 52	118 52 25	3.00	1.00	2.00	.300	500	N	N	<10	500	1.5
81NK075A	36 47 39	118 50 53	3.00	.70	1.50	.300	700	N	N	<10	2,000	1.5
81NK076A	36 47 7	118 50 36	5.00	1.00	2.00	.500	1,000	N	N	10	1,000	1.5
81NK078A	36 46 58	118 48 25	1.50	.50	1.50	.200	700	N	N	<10	1,000	2.0
81NK080A	36 47 1	119 48 2	.05	.50	15.00	.002	70	<.5	N	N	<20	N
81NK081A	36 47 2	118 47 55	1.50	1.50	2.00	.300	700	N	N	10	500	2.0
81NK082A	36 47 10	118 47 55	3.00	2.00	5.00	.500	500	N	N	10	300	1.5
81NK0830	36 47 8	118 47 49	5.00	2.00	3.00	.500	700	N	N	10	500	1.5
81NK085A	36 47 5	118 49 21	5.00	1.00	2.00	.500	1,000	N	N	10	1,000	1.5
81NK086A	36 47 13	118 49 19	20.00	.20	5.00	.150	>5,000	N	N	20	300	2.0
81NK088A	36 47 30	118 49 3	7.00	1.50	1.00	1.000	2,000	N	N	20	1,000	1.5
81NK090A	36 47 39	118 48 40	.10	.70	1.50	.010	200	N	N	10	500	N
81NK090B	36 47 39	118 48 40	.10	1.00	2.00	.010	200	N	N	10	100	N
81NK091A	36 48 27	118 51 5	5.00	1.00	.20	.500	700	N	N	<10	700	1.5
81NK092A	36 48 48	118 51 12	.50	.10	.05	.200	70	N	N	10	100	<1.0
81NK097B	36 49 43	118 51 55	5.00	.70	.20	.300	200	N	N	10	500	2.0
81NK098C	36 49 36	118 51 50	5.00	.70	.20	.500	700	N	N	10	500	2.0

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
81NK003A	N	N	<5	N	N	70	N	<20	<5	10	N	5	N
81NK003B	N	<10	20	<10	20	20	N	<20	<5	10	N	20	N
81NK008A	N	100	20	100	20	100	N	<20	5	15	N	30	N
81NK010A	N	150	10	150	30	100	N	<20	<5	30	N	30	N
81NK016A	N	N	15	N	10	20	N	<20	<5	10	N	10	N
81NK017A	N	N	N	N	N	20	20	<20	<5	300	N	5	N
81NK018A	N	15	15	70	50	100	N	<20	50	20	N	10	N
81NK024A	N	20	20	300	100	20	N	<20	100	20	N	50	N
81NK025A	N	N	N	N	N	20	N	<20	<5	N	N	N	N
81NK026A	N	15	15	20	20	20	N	<20	10	10	N	20	N
81NK026B	N	N	30	20	20	20	N	<20	5	10	N	30	N
81NK029A	N	15	15	20	10	50	N	<20	5	15	N	20	N
81NK030B	N	50	50	200	70	20	N	<20	70	10	N	50	N
81NK031A	N	3,000	70	3,000	50	20	N	<20	1,500	N	N	20	N
81NK031B	N	700	50	700	150	20	N	<20	150	20	N	50	N
81NK032A	N	100	20	100	50	50	N	<20	15	20	N	30	N
81NK034A	N	N	N	N	N	20	N	<20	<5	30	N	5	N
81NK035A	N	N	N	N	N	30	N	<20	<5	30	N	5	N
81NK054B	N	N	<5	N	N	70	N	<20	<5	20	N	5	N
81NK055A	N	700	30	700	100	70	N	<20	300	70	N	30	N
81NK057A	N	N	5	N	N	70	N	<20	<5	10	N	5	N
81NK058A	N	N	N	N	N	70	N	<20	<5	50	N	5	N
81NK061A	N	20	10	20	N	70	N	<20	<5	30	N	20	N
81NK062A	N	700	50	700	50	70	N	<20	300	30	N	20	N
81NK065A	N	N	N	N	<5	50	10	<20	<5	20	N	<5	N
81NK068A	N	N	<5	N	N	50	N	<20	<5	50	N	10	N
81NK069A	N	15	15	20	5	50	<5	<20	<5	20	N	15	N
81NK070A	N	N	N	N	<5	70	N	<20	<5	50	N	5	N
81NK072A	N	20	10	20	5	50	N	<20	<5	20	N	10	N
81NK075A	N	10	5	10	N	70	N	<20	<5	50	N	10	N
81NK076A	N	10	10	10	<5	50	N	<20	<5	50	N	20	N
81NK078A	N	<10	N	<10	15	50	5	<20	<5	50	N	5	N
81NK080A	N	N	N	N	<5	N	N	N	N	<10	N	N	N
81NK081A	N	50	<5	50	10	50	N	<20	20	20	N	10	N
81NK082A	N	100	10	100	100	50	N	<20	50	30	N	30	N
81NK083D	N	150	10	150	50	50	N	<20	50	30	N	30	N
81NK085A	N	10	5	10	50	70	N	<20	<5	30	N	30	N
81NK086A	N	150	15	150	10	50	<5	<20	20	10	N	10	20
81NK088A	N	200	15	200	50	100	N	<20	50	50	N	30	N
81NK090A	N	N	N	N	<5	20	N	<20	<5	N	N	N	N
81NK090B	N	N	N	N	20	20	N	<20	<5	<10	N	N	N
81NK091A	N	200	20	200	70	70	<5	<20	50	30	N	30	N
81NK092A	N	20	<5	20	<5	20	N	N	<5	5	N	5	N
81NK097B	N	100	15	100	<5	30	N	N	50	15	N	10	N
81NK098C	N	100	15	100	50	70	N	N	50	30	N	10	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AU-P-ppm aa	AU-T-ppm aa	Rock names
81NK003A	300	10	N	<10	N	70	N	--	--	Biotite-quartz diorite
81NK003B	300	200	N	30	N	30	N	--	--	Biotite-hornblende-quartz diorite
81NK008A	500	200	N	30	N	70	N	--	--	Hornblende-biotite metadiorite
81NK010A	700	200	N	50	N	1,000	N	--	--	Quartz-biotite-white mica schist
81NK016A	500	70	N	<10	N	20	N	--	--	Hornblende-biotite-quartz metadiorite
81NK017A	100	10	N	10	N	50	N	--	.002	Garnet-biotite quartz monzonite
81NK018A	200	70	N	30	N	200	N	--	--	Quartzite
81NK024A	100	200	N	50	N	300	N	--	--	Quartz-biotite schist
81NK025A	N	N	N	N	N	N	N	--	--	Quartz vein
81NK026A	300	100	N	20	N	100	N	--	--	Biotite-hornblende-quartz diorite
81NK026B	500	200	N	50	N	50	N	--	--	Hornblende-biotite diorite
81NK029A	300	100	N	20	N	200	N	--	--	Biotite-hornblende-quartz diorite
81NK030B	500	300	N	50	N	100	N	--	--	Metadiorite
81NK031A	N	30	N	N	N	N	N	--	--	Olivine-actinolite schist (metadunite)
81NK031B	200	300	N	70	N	150	N	--	--	Amphibolite (metagabbro)
81NK032A	500	200	N	50	N	150	N	--	--	Hornblende-biotite-quartz diorite
81NK034A	200	20	N	N	N	100	N	--	--	Porphyritic biotite-quartz monzonite
81NK035A	200	20	N	<10	N	100	N	--	--	Porphyritic biotite-quartz monzonite
81NK054B	200	20	N	20	N	100	N	--	--	Porphyritic biotite-quartz monzonite
81NK055A	5,000	100	N	30	N	500	N	--	--	Olivine basalt
81NK057A	700	20	N	20	N	200	N	--	--	Biotite-hornblende granodiorite
81NK058A	150	<10	N	100	N	200	N	--	--	Porphyritic biotite-quartz monzonite
81NK061A	700	100	N	50	N	200	N	--	--	Hornblende-biotite granodiorite
81NK062A	1,000	100	N	20	N	200	N	--	--	Olivine-clinopyroxene alkali basalt
81NK065A	100	<10	N	20	N	50	N	--	--	Biotite-hornblende granodiorite
81NK068A	500	50	N	20	N	150	N	--	--	Porphyritic biotite-quartz monzonite
81NK069A	500	100	N	20	N	20	N	--	--	Biotite-hornblende granodiorite
81NK070A	500	20	N	30	N	100	N	--	--	Biotite-quartz monzonite
81NK072A	500	100	N	20	N	50	N	--	--	Biotite-hornblende granodiorite
81NK075A	500	50	N	50	N	150	N	--	--	Porphyritic biotite-quartz monzonite
81NK076A	500	70	N	50	N	150	N	--	--	Hornblende-biotite granodiorite
81NK078A	500	30	N	20	N	150	N	--	--	Porphyritic biotite-quartz monzonite
81NK080A	300	20	N	N	N	10	N	N	--	Marble
81NK081A	100	100	N	20	N	200	N	--	--	Calc-silicate hornfels
81NK082A	500	200	N	30	N	200	N	--	--	Metadacite porphyry
81NK083D	1,000	200	N	30	N	300	N	--	--	Metatuff
81NK085A	300	100	N	50	N	300	N	--	--	Biotite-quartz monzonite
81NK086A	200	300	1,000	50	N	50	N	--	--	Garnet-epidote-hornblende-scheelite skarn
81NK088A	200	200	N	70	N	500	N	--	--	Quartz-muscovite-biotite schist
81NK090A	N	20	N	N	N	N	N	--	--	Quartzite
81NK090B	N	20	N	N	N	N	N	--	--	Quartz-clinopyroxene-wollastonite schist
81NK091A	<100	150	N	50	<200	300	N	--	--	Quartz-biotite-muscovite schist
81NK092A	N	20	N	<10	N	200	N	--	--	Quartzite
81NK097B	100	70	N	20	N	200	N	--	--	Quartz-biotite-andalusite-cordierite schist
81NK098C	100	70	N	50	N	300	N	--	--	Quartz-biotite schist

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppt. s	Ag-ppt. s	As-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
81NK102C	36 49 25	118 50 51	5.00	2.00	7.00	.500	1,000	N	N	20	300	<1.0
81NK104A	36 49 18	118 50 40	3.00	1.00	2.00	.300	700	N	N	50	500	2.0
81NK106A	36 49 5	118 50 26	1.00	.30	1.00	.100	300	N	N	10	500	2.0
81NK107B	36 48 57	118 50 18	3.00	1.50	.70	.300	200	N	N	50	500	1.0
81NK108B	36 48 50	118 50 9	5.00	1.00	20.00	.200	300	N	N	20	300	1.0
81NK108C	36 48 50	118 50 9	7.00	1.50	5.00	.200	1,500	.5	N	20	20	2.0
81NK109B	36 49 16	118 49 59	7.00	1.00	.10	.500	200	N	N	100	200	2.0
81NK109C	36 49 16	118 49 59	1.00	.50	.05	.300	70	N	N	15	500	1.0
81NK111A	36 49 22	118 49 50	.70	5.00	7.00	.020	1,000	N	N	<10	20	N
81NK111E	36 49 22	118 49 50	3.00	1.00	.05	.500	300	N	N	30	300	1.5
81NK114A	36 48 58	118 49 13	.50	5.00	10.00	.020	150	N	N	N	150	N
81NK114B	36 48 58	118 49 13	.20	10.00	10.00	.005	100	N	N	N	<20	N
81NK115A	36 48 59	118 49 1	2.00	3.00	5.00	.070	300	.5	200	20	300	1.0
81NK116A	36 48 57	118 48 58	3.00	1.50	2.00	.300	300	.5	N	50	1,000	1.0
81NK117A	36 48 44	118 48 49	3.00	1.00	1.50	.300	100	.5	N	20	1,000	1.0
81NK118B	36 48 41	118 48 38	3.00	1.50	1.00	.300	150	N	N	10	1,000	1.0
81NK118C	36 48 41	118 48 38	7.00	2.00	5.00	.700	1,000	N	N	20	500	<1.0
81NK119A	36 48 40	118 48 30	2.00	1.00	2.00	.300	300	1.0	N	100	700	2.0
81NK119A	36 48 40	118 48 30	3.00	1.00	2.00	.200	150	<.5	N	150	1,000	1.0
81NK121A	36 48 50	118 48 16	5.00	1.50	5.00	.500	1,000	N	N	10	1,000	2.0
81NK123A	36 48 28	118 47 47	3.00	1.00	2.00	.500	200	<.5	N	100	500	2.0
81NK124B	36 48 29	118 47 33	3.00	.70	.70	.300	500	N	N	50	1,500	2.0
81NK125A	36 48 35	118 47 20	5.00	1.00	.50	.300	500	.5	N	20	1,500	2.0
81NK128A	36 48 22	118 48 29	2.00	1.00	2.00	.300	500	N	N	50	1,000	2.0
81NK130A	36 48 28	118 46 51	5.00	2.00	5.00	.500	1,000	N	N	20	1,000	1.5
81NK134A	36 48 4	118 50 41	3.00	5.00	3.00	.300	1,000	N	N	<10	1,500	2.0
81NK136A	36 57 37	118 57 0	2.00	.70	1.50	.200	300	N	N	<10	500	1.5
81NK138A	36 57 42	118 54 57	5.00	5.00	3.00	.500	700	N	N	10	2,000	1.5
81NK142A	36 59 19	118 54 21	2.00	.50	1.50	.150	300	N	N	10	1,000	1.5
81NK143A	36 55 47	118 53 4	3.00	1.00	2.00	.300	500	N	N	10	700	1.5
81NK144A	36 55 13	118 52 49	20.00	3.00	3.00	.010	5,000	300.0	1,000	10	100	<1.0
81NK144C	36 55 13	118 52 49	2.00	.50	1.50	.500	1,000	N	N	15	300	<1.0
81NK144E	36 55 13	118 52 49	.20	5.00	7.00	.010	150	<.5	N	10	<20	N
81NK144I	36 55 13	118 52 49	.20	.50	.50	.070	50	.5	200	50	500	1.0
81NK145A	36 55 9	118 52 52	1.00	.20	1.50	.070	300	2.0	N	<10	1,500	1.0
81NK147A	36 54 58	118 52 9	5.00	7.00	3.00	.500	1,000	2.0	N	<10	1,500	1.5
81NK149A	36 55 13	118 52 49	.10	2.00	10.00	.020	50	N	N	N	<20	N
81NK157B	36 47 16	118 47 29	1.00	1.00	3.00	.200	200	.5	N	50	500	<1.0
81NK158A	36 47 14	118 47 12	.50	.30	.20	.100	200	<.5	N	50	300	<1.0
81RM002A	36 52 57	119 9 19	3.00	1.00	1.50	.300	500	N	N	<10	700	1.0
81RM0030	36 53 4	119 9 20	5.00	.70	1.00	.500	500	N	N	20	500	2.0
81RM003F	36 53 4	119 9 20	2.00	.70	2.00	.200	500	N	N	10	200	1.0
81RM009A	36 51 31	119 7 47	.15	.05	.10	.010	100	N	N	30	50	N
81RM010A	36 51 48	119 7 54	5.00	1.00	<.05	.500	500	N	N	200	1,000	<1.0
81RM012B	36 50 53	119 8 20	.50	.02	<.05	.010	<10	N	N	20	70	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
81NK102C	N	N	20	30	30	50	N	<20	N	30	N	50	N
81NK104A	N	N	10	100	30	70	N	<20	15	30	N	20	N
81NK106A	N	N	N	N	<5	70	N	<20	<5	30	N	5	N
81NK107B	N	N	15	100	5	50	N	20	30	20	N	15	<10
81NK108B	N	N	20	200	20	70	N	<20	70	20	N	20	N
81NK108C	N	N	50	100	500	70	N	<20	30	10	N	15	N
81NK109B	N	N	30	200	300	100	N	<20	150	30	N	30	N
81NK109C	N	N	10	50	<5	20	N	20	15	20	N	7	N
81NK111A	N	N	7	10	5	N	N	N	<5	10	N	<5	N
81NK111E	N	N	10	70	15	30	N	20	20	50	N	10	<10
81NK114A	N	N	N	10	<5	N	N	N	7	<10	N	<5	N
81NK114B	N	N	N	<10	N	N	N	N	N	<10	N	N	N
81NK115A	N	<20	7	20	10	N	30	N	20	15	N	5	N
81NK116A	N	N	10	50	20	50	N	20	20	20	N	15	N
81NK117A	N	N	7	50	20	50	N	<20	10	20	N	10	N
81NK118B	N	N	10	70	7	70	N	<20	20	70	N	10	N
81NK118C	N	N	20	50	50	30	N	<20	20	50	N	30	N
81NK119A	N	N	10	100	50	50	10	<20	70	70	N	20	N
81NK119A	N	N	10	70	30	30	7	<20	20	20	N	10	N
81NK121A	N	N	15	20	5	70	N	<20	<5	20	N	30	N
81NK123A	N	N	15	150	70	70	15	<20	70	20	N	30	N
81NK124B	N	N	<5	N	5	70	5	<20	<5	50	N	10	N
81NK125A	N	N	<5	20	10	100	5	<20	N	20	N	20	N
81NK128A	N	N	N	100	50	50	5	<20	15	30	N	20	N
81NK130A	N	N	15	50	30	50	5	<20	10	30	N	30	N
81NK134A	N	N	50	1,000	70	50	<5	<20	200	30	N	30	N
81NK136A	N	N	10	50	<5	50	N	<20	10	20	N	5	N
81NK138A	N	N	50	1,500	100	70	N	<20	300	20	N	30	N
81NK142A	N	N	<5	10	<5	50	N	<20	5	30	N	5	N
81NK143A	N	N	15	20	<5	50	N	<20	<5	20	N	10	N
81NK144A	50	>500	N	N	500	50	N	<20	N	>20,000	700	N	50
81NK144C	N	N	7	70	10	70	N	20	N	15	N	7	<10
81NK144E	N	N	N	<10	N	N	N	N	N	30	N	N	N
81NK144I	N	20	N	100	20	N	7	N	100	N	150	7	N
81NK145A	N	N	N	N	<5	70	N	<20	N	500	N	5	N
81NK147A	N	N	50	1,500	100	50	N	<20	200	300	N	30	N
81NK149A	N	N	N	<10	N	N	N	N	N	<10	N	N	N
81NK157B	N	<20	7	50	15	20	20	<20	50	20	N	10	N
81NK158A	N	N	N	<10	<5	N	N	N	<5	20	N	<5	N
81RM002A	N	N	10	N	5	N	N	<20	<5	20	N	7	N
81RM003D	N	N	10	100	30	70	N	<20	10	20	N	20	N
81RM003F	N	N	10	100	5	20	N	<20	20	<10	N	10	N
81RM009A	N	N	N	N	<5	<20	N	<20	<5	N	N	N	N
81RM010A	N	N	20	150	15	100	N	<20	30	30	N	20	N
81RM012B	N	N	<5	N	150	20	N	<20	10	<10	N	N	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-P-ppm aa	Au-I-ppm aa	Rock names
81NK102C	1,000	200	N	50	N	700	N	--	--	Hornblende-biotite metadiorite
81NK104A	300	70	N	30	N	150	N	--	--	Quartz-biotite-hornblende-cordunum schist
81NK106A	200	20	N	20	N	50	N	--	--	Porphyritic biotite-quartz monzonite
81NK107B	150	70	N	30	N	150	N	--	--	Quartz-biotite-hornblende-cordunum schist
81NK108B	2,000	50	N	30	<200	100	N	--	--	Scapolite-clinopyroxene schist and skarn
81NK108C	700	50	N	30	<200	100	N	--	.026	Plagioclase-clinopyroxene schist
81NK109B	200	150	N	50	N	100	N	--	--	White mica-chlorite-andalusite schist
81NK109C	N	20	N	20	N	200	N	--	--	Quartz-white mica-biotite schist
81NK111A	300	20	N	N	N	15	N	--	--	Marble
81NK111E	N	50	N	30	<200	100	N	--	--	Biotite-white mica-andalusite-quartz schist
81NK114A	300	10	N	N	N	15	N	--	--	Marble
81NK114B	100	10	N	N	N	<10	N	--	--	Marble
81NK115A	<100	300	N	20	300	50	N	N	--	Graphite-epidote-quartz schist
81NK116A	100	70	N	50	N	150	N	N	--	Quartz-biotite mylonite
81NK117A	100	70	N	30	N	100	N	N	--	Quartz-biotite mylonite
81NK118B	<100	100	N	30	<200	100	N	--	--	Quartz-biotite-hornblende schist
81NK118C	700	200	N	30	N	100	N	--	--	Biotite-hornblende metadiorite
81NK119A	500	200	N	30	500	150	N	--	.004	Quartz-biotite schist
81NK119A	200	150	N	30	<200	100	N	N	--	Quartz-biotite schist
81NK121A	1,000	150	N	50	N	200	N	--	--	Calc-silicate mylonite
81NK123A	300	300	N	50	200	200	N	--	--	Metadacite
81NK124B	200	30	N	50	N	200	N	--	--	Metarhyolite tuff
81NK125A	200	50	N	70	N	500	N	--	.002	Quartz-white mica schist
81NK128A	200	200	N	50	<200	200	N	--	--	Quartz-biotite mylonite
81NK130A	500	200	N	70	N	300	N	--	--	Hornblende-biotite granodiorite
81NK134A	1,000	200	N	20	N	150	N	--	--	Metadacite porphyry
81NK136A	500	50	N	10	N	50	N	--	--	Olivine-clinopyroxene-biotite alkali basalt
81NK138A	1,500	150	N	20	N	300	N	--	--	Olivine-clinopyroxene basalt
81NK142A	300	20	N	10	N	100	N	--	--	Biotite-quartz monzonite
81NK143A	300	100	N	20	N	50	N	--	--	Hornblende-biotite granodiorite
81NK144A	100	<10	N	N	>10,000	N	N	--	.180	Calcite-olivine-phlogopite-sulfide skarn
81NK144C	200	50	N	70	N	>1,000	N	--	--	Quartz-plagioclase-hornblende schist
81NK144E	200	10	N	N	N	15	<100	N	--	Olivine marble
81NK144I	100	3,000	N	30	500	50	N	N	--	Quartz-white mica-graphite schist
81NK145A	500	10	N	70	<200	100	N	--	.018	Porphyritic biotite-quartz monzonite
81NK147A	1,000	200	N	20	500	150	N	--	.003	Olivine-clinopyroxene-biotite alkali basalt
81NK149A	500	15	N	N	N	<10	N	--	--	Marble
81NK157B	200	200	N	20	200	150	N	N	--	Calc-silicate phyllonite
81NK158A	300	20	N	<10	N	70	N	N	--	Metarhyolite porphyry
81RM002A	500	30	N	10	N	100	N	--	--	Biotite-quartz diorite
81RM003D	200	100	N	70	N	300	N	--	--	Quartz-biotite-white mica-sillimanite schist
81RM003F	200	50	N	10	N	100	N	--	--	Quartz-clinozoisite-wollastonite schist
81RM009A	N	<10	N	N	<200	N	N	--	--	Quartz vein
81RM010A	N	70	N	30	<200	100	N	--	--	Quartz-biotite-white mica-andalusite schist
81RM012B	N	<10	N	N	N	N	N	--	--	Quartzite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
81RM013A	36 50 37	119 8 52	5.00	1.00	2.00	.300	1,000	N	N	10	500	1.0
81RM014A	36 53 0	119 14 25	1.00	.15	.50	.050	100	N	N	10	700	1.5
81RM014B	36 53 0	119 14 25	5.00	1.00	2.00	.500	700	N	N	<10	300	N
81RM015B	36 52 8	119 14 10	3.00	1.00	1.50	.500	1,000	N	N	<10	500	1.0
81RM015C	36 52 8	119 14 10	5.00	2.00	2.00	.500	700	N	N	<10	300	N
81RM016A	36 51 59	119 13 46	2.00	.70	2.00	.100	700	N	N	10	150	N
81RM018B	36 52 8	119 12 42	2.00	.50	1.50	.100	150	N	N	<10	300	1.0
81RM018C	36 52 8	119 12 42	5.00	1.00	2.00	.700	500	N	N	<10	500	1.0
81RM021B	36 51 18	119 6 4	3.00	.50	.10	.300	500	N	N	200	2,000	1.5
81RM021C	36 51 18	119 6 4	.70	.50	<.05	.300	100	N	N	100	2,000	1.5
81RM022A	36 51 3	119 6 13	.20	.20	.10	.015	500	N	N	50	500	1.0
81RM023A	36 50 42	119 6 36	2.00	.30	.50	.200	300	N	N	10	700	1.5
81RM023B	36 50 42	119 6 36	2.00	.70	1.00	.300	1,000	N	N	20	700	1.5
81RM024B	36 50 2	119 7 12	3.00	.50	.70	.200	500	.5	N	<10	3,000	1.5
81RM032B	36 54 25	119 5 33	2.00	.30	.70	.200	300	N	N	<10	700	1.5
81RM034A	36 50 59	119 13 17	5.00	2.00	2.00	.700	700	N	N	<10	200	<1.0
81RM034B	36 50 59	119 13 17	1.00	.02	.20	.015	100	N	N	10	700	1.5
81RM035A	36 50 52	119 13 45	5.00	.50	1.50	.100	300	N	N	10	1,500	2.0
81RM040D	36 50 55	119 9 27	5.00	1.00	.15	.500	300	N	N	200	500	2.0
81RM040F	36 50 55	119 9 27	7.00	1.00	2.00	.500	1,000	2.0	N	10	700	1.5
81RM042A	36 51 2	119 13 42	2.00	.50	.50	.200	200	N	N	10	1,500	1.0
81RM043A	36 51 31	119 14 25	N	<.02	<.05	.010	N	N	N	10	50	<1.0
81RM043B	36 51 31	119 14 25	7.00	1.50	2.00	.500	700	N	N	10	500	<1.0
81RM043C	36 51 31	119 14 25	7.00	2.00	2.00	.500	700	N	N	10	500	<1.0
81RM044A	36 51 46	119 14 50	7.00	2.00	3.00	.500	700	N	N	10	500	<1.0
81RM047B	36 50 58	119 11 49	1.50	.10	1.00	.030	200	N	N	20	1,500	2.0
81RM047C	36 50 58	119 11 49	N	.05	<.05	.020	N	N	N	10	70	<1.0
81RM048A	36 50 58	119 11 15	1.50	.10	.70	.020	700	N	N	10	1,500	2.0
81RM048C	36 50 58	119 11 15	.20	.05	<.05	.015	100	N	N	10	20	<1.0
81RM068A	36 48 9	118 55 29	5.00	1.00	2.00	.300	500	N	N	10	300	1.0
81RM070D	36 46 43	118 57 44	2.00	.50	<.05	.300	200	N	N	50	1,500	2.0
81RM071A	36 46 9	118 56 58	5.00	.70	.50	.300	500	N	N	30	700	1.5
81RM073A	36 47 52	118 53 30	5.00	1.00	2.00	.300	700	N	N	10	300	1.0
81RM075A	36 48 24	118 52 25	2.00	.20	1.50	.100	200	N	N	<10	1,500	1.0
81RM079A	36 48 30	118 51 30	5.00	1.00	2.00	.500	700	N	N	10	700	1.0
81RM082A	36 48 48	118 51 35	5.00	1.00	3.00	.500	700	N	N	<10	700	1.0
81RM083A	36 48 56	118 51 41	2.00	.07	1.00	.100	70	N	N	<10	1,000	2.0
81RM085B	36 49 2	118 51 35	10.00	.50	15.00	.070	2,000	N	N	10	70	N
81RM088A	36 48 1	118 51 8	1.50	.10	1.00	.200	200	.5	N	10	1,500	1.5
81RM089A	36 48 21	118 51 0	7.00	1.50	2.00	.200	2,000	N	N	10	70	1.5
81RM091A	36 47 49	118 50 43	2.00	.20	1.00	.200	500	N	N	10	1,000	1.0
81RM091B	36 47 49	118 50 43	1.00	.10	<.05	.100	50	N	N	<10	300	<1.0
81RM092C	36 47 59	118 49 35	1.50	.20	3.00	.070	5,000	N	N	<10	100	1.5
81RM095A	36 47 41	118 51 3	<.05	<.02	.10	.002	70	N	N	<10	20	N
81RM109B	36 56 42	118 56 35	.10	.02	<.05	.050	50	N	N	10	70	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S	Sc-ppm S	Sn-ppm S
81RM013A	N		20	30	<5	30	N	<20	10	20	N	30	N
81RM014A	N		N	N	<5	20	N	<20	5	20	N	N	N
81RM014B	N		30	70	5	20	N	<20	10	10	N	30	N
81RM015B	N		10	N	<5	20	N	<20	N	10	N	10	N
81RM015C	N		30	70	5	<20	N	<20	20	10	N	30	N
81RM016A	N		10	100	30	20	N	<20	20	<10	N	20	N
81RM018B	N		5	N	5	20	N	<20	<5	10	N	<5	N
81RM018C	N		15	N	5	30	N	<20	5	20	N	10	N
81RM021B	N		5	100	70	30	10	<20	5	20	N	15	N
81RM021C	N		N	150	15	30	<5	<20	<5	<10	N	10	N
81RM022A	N		N	N	<5	20	N	<20	<5	N	N	N	N
81RM023A	N		N	N	5	50	N	<20	<5	30	N	5	N
81RM023B	N		10	50	10	50	N	<20	20	<10	N	10	N
81RM024B	N		N	50	100	20	<5	<20	5	<10	N	7	N
81RM032B	N		N	N	<5	50	N	<20	<5	30	N	5	N
81RM034A	N		20	150	10	20	N	<20	30	10	N	20	N
81RM034B	N		N	N	5	30	N	<20	<5	20	N	N	N
81RM035A	N		<5	<10	N	50	N	<20	N	50	N	N	N
81RM040D	N		15	150	50	70	N	<20	30	50	N	20	N
81RM040F	N		10	10	<5	30	N	<20	N	30	N	15	N
81RM042A	N		<5	<10	<5	20	N	<20	N	30	N	5	N
81RM043A	N		<5	N	<5	20	N	N	N	N	N	N	N
81RM043B	N		20	50	50	20	N	<20	10	30	N	20	N
81RM043C	N		20	150	10	20	N	<20	20	20	N	20	N
81RM044A	N		30	10	50	20	N	<20	<5	10	N	30	N
81RM047B	N		N	<10	10	30	N	<20	<5	50	N	N	20
81RM047C	N		N	N	7	20	<5	<20	<5	N	N	N	N
81RM048A	N		N	N	<5	30	N	<20	<5	50	N	N	N
81RM048C	N		N	N	<5	20	N	<20	<5	N	N	N	N
81RM068A	N		20	10	5	50	N	<20	5	50	N	20	N
81RM070D	N		<5	150	50	70	10	20	<5	70	N	20	N
81RM071A	N		15	200	20	70	N	<20	50	50	N	20	N
81RM073A	N		20	50	10	50	N	<20	15	20	N	20	N
81RM075A	N		N	N	<5	50	N	<20	<5	20	N	10	N
81RM079A	N		15	20	50	50	10	<20	5	30	N	20	N
81RM082A	N		15	20	<5	50	N	<20	5	20	N	20	N
81RM083A	N		N	N	20	50	5	20	<5	50	N	15	N
81RM085B	N		15	30	5	30	50	<20	15	<10	N	10	70
81RM088A	50		N	N	20	50	N	<20	<5	30	N	5	20
81RM089A	N		20	70	100	50	N	<20	50	<10	N	10	N
81RM091A	N		5	N	<5	50	10	<20	<5	50	N	5	N
81RM091B	N		N	<10	<5	30	N	<20	<5	<10	N	N	N
81RM092C	N		20	10	15	20	15	<20	30	N	N	<5	50
81RM095A	N		N	N	<5	N	N	N	5	N	N	N	N
81RM109B	N		N	N	<5	20	N	<20	5	N	N	N	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-P-ppm aa	Au-T-ppm aa	Rock names
81RM013A	300	100	N	70	N	200	N	--	--	Biotite-hornblende granodiorite
81RM014A	300	<10	N	10	N	50	N	--	--	Biotite-white mica-quartz monzonite
81RM014B	500	150	N	20	<200	50	N	--	--	Biotite-hornblende-quartz diorite
81RM015B	500	100	N	10	N	300	N	--	--	Biotite-hornblende-quartz diorite
81RM015C	500	200	N	20	N	100	N	--	--	Biotite-hornblende metagabbro
81RM016A	500	200	N	10	N	10	N	--	--	Quartz-hornblende-clinopyroxene schist
81RM018B	500	20	N	N	N	200	N	--	--	Biotite-quartz-diorite
81RM018C	700	100	N	10	N	200	N	--	--	Biotite-hornblende-quartz diorite
81RM021B	<100	200	N	20	N	100	N	--	--	Quartz-white mica schist
81RM021C	<100	200	N	20	N	200	N	--	--	Quartz-white mica schist
81RM022A	N	20	N	N	N	100	N	--	--	Quartzite
81RM023A	200	20	N	20	N	200	N	--	--	Biotite-quartz monzonite
81RM023B	200	50	N	20	<200	300	N	--	--	Quartz-biotite schist
81RM024B	100	100	N	10	N	100	N	.014	--	Quartz-biotite-hornblende-schist
81RM032B	200	20	N	10	N	100	N	--	--	Porphyritic biotite-quartz monzonite
81RM034A	700	200	N	10	N	20	N	--	--	Hornblende metagabbro
81RM034B	200	<10	N	N	N	50	N	--	--	Biotite-white mica-quartz monzonite
81RM035A	700	20	N	10	N	150	N	--	--	Biotite-white mica-quartz monzonite
81RM040D	100	100	N	20	<200	100	N	--	--	Marble
81RM040F	500	50	N	20	N	200	N	.005	--	Biotite-hornblende-quartz diorite
81RM042A	300	<10	N	N	N	50	N	--	--	Biotite-white mica-quartz monzonite
81RM043A	N	<10	N	N	N	N	N	--	--	Quartz vein
81RM043B	500	150	N	20	N	100	N	--	--	Biotite-quartz diorite
81RM043C	500	200	N	20	N	100	N	--	--	Biotite-hornblende-quartz diorite
81RM044A	700	200	N	20	N	50	N	--	--	Hornblende-biotite diorite
81RM047B	300	<10	N	N	N	100	N	--	--	Garnet-biotite-white mica-quartz monzonite
81RM047C	N	<10	N	N	N	N	N	--	--	Quartz vein
81RM048A	200	<10	N	20	N	100	N	--	--	Garnet-biotite-white mica-quartz monzonite
81RM048C	N	20	N	N	N	N	N	--	--	Quartz vein
81RM068A	300	100	N	30	N	50	N	--	--	Hornblende-biotite granodiorite
81RM070D	<100	200	N	100	N	300	N	--	--	Quartzite
81RM071A	200	100	N	20	N	70	N	--	--	Quartz-biotite-feldspar-sillimanite schist
81RM073A	200	100	N	30	N	50	N	--	--	Hornblende-biotite granodiorite
81RM075A	200	20	N	30	N	70	N	--	--	Porphyritic biotite-quartz monzonite
81RM079A	500	100	N	20	N	50	N	--	--	Biotite-hornblende granodiorite
81RM082A	700	100	N	30	N	50	N	--	--	Biotite-hornblende granodiorite
81RM083A	300	<10	N	20	N	200	N	--	--	Metarhyodacite
81RM085B	<100	50	100	15	N	20	N	--	--	Arkosic quartzite
81RM088A	300	10	N	10	N	100	N	.064	--	Porphyritic biotite-quartz monzonite
81RM089A	100	50	N	20	N	200	N	--	--	Quartz-plagioclase-hornblende-biotite schist
81RM091A	300	30	50	30	N	50	N	--	--	Porphyritic hornblende-quartz monzonite
81RM091B	N	10	N	N	N	150	N	--	--	Quartzite
81RM092C	<100	200	N	15	N	50	N	--	--	Garnet-epidote-clinopyroxene skarn
81RM095A	N	<10	N	N	N	N	N	--	--	Pegmatite
81RM109B	N	<10	N	N	N	50	N	--	--	Quartzite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
81RM110A	36 55 47	118 55 51	2.00	.70	.10	.500	100	1.0	N	50	3,000	1.5
81RM128A	36 55 37	118 56 40	7.00	1.00	.70	.500	1,000	N	N	20	1,000	2.0
81RM130A	36 55 36	118 56 53	.15	.10	.05	.070	100	N	N	<10	500	N
81SB001A	36 52 18	119 7 44	2.00	.50	.50	.300	300	N	N	20	2,000	2.0
81SB002A	36 51 59	119 7 38	.20	.15	<.05	.200	50	N	N	20	500	<1.0
81SB002B	36 51 59	119 7 38	.50	.10	<.05	.200	20	<.5	N	20	500	<1.0
81SB003A	36 51 21	119 5 23	5.00	1.00	3.00	.300	1,000	N	N	10	300	<1.0
81SB006A	36 51 41	119 6 11	3.00	1.00	15.00	.300	2,000	N	N	10	300	1.0
81SB006B	36 51 41	119 6 11	3.00	.70	5.00	.300	2,000	N	N	10	200	1.0
81SB007A	36 51 29	119 4 36	5.00	2.00	5.00	1.000	1,000	N	N	20	100	<1.0
81SB010A	36 51 29	119 3 23	5.00	1.50	2.00	1.000	1,000	N	N	15	1,500	<1.0
81SB011A	36 51 34	119 2 51	5.00	1.00	.30	.500	2,000	N	N	100	700	1.0
81SB012A	36 51 38	119 2 7	5.00	2.00	5.00	.500	1,500	N	N	20	500	2.0
81SB013A	36 51 38	119 1 58	3.00	.70	1.50	.300	1,000	N	N	10	700	1.5
81SB013C	36 51 38	119 1 58	.50	.15	1.00	.050	150	N	N	10	500	2.0
81SB014A	36 51 44	119 1 47	2.00	1.00	2.00	.700	1,000	N	N	10	>5,000	1.0
81SB015A	36 51 17	119 5 48	.15	.70	1.00	.150	1,000	5.0	N	10	1,500	<1.0
81SB016A	36 50 41	119 5 39	.70	1.50	20.00	.100	50	<.5	N	10	1,000	<1.0
81SB017A	36 50 39	119 5 39	.20	.02	.05	.010	<10	N	N	10	50	N
81SB019A	36 50 37	119 5 11	5.00	1.00	5.00	.300	1,500	N	N	10	700	1.0
81SB021A	36 49 46	119 5 8	1.00	.20	.30	.070	1,000	N	N	50	700	1.0
81SB022A	36 49 22	119 5 10	5.00	1.00	3.00	.300	1,500	N	N	10	500	1.0
81SB027A	36 50 11	119 3 43	.10	.02	.05	<.002	<10	N	N	10	50	N
81SB037A	36 48 29	119 5 23	5.00	1.00	2.00	.200	1,500	1.0	N	10	3,000	1.0
81SB038A	36 48 28	119 5 29	7.00	3.00	10.00	1.000	2,000	N	N	20	200	N
81SB039A	36 48 42	119 5 43	7.00	3.00	5.00	.500	2,000	N	N	20	100	N
81SB040A	36 48 3	119 5 10	2.00	1.50	>20.00	.100	1,000	N	N	<10	500	<1.0
81SB041A	36 47 47	119 5 44	3.00	1.50	3.00	.300	1,000	N	N	20	1,000	1.0
81SB044A	36 46 4	119 4 52	3.00	1.00	2.00	.300	500	N	N	20	300	<1.0
81SB044B	36 46 4	119 4 52	.70	.10	.50	.030	300	N	N	20	150	2.0
81SB045A	36 46 29	119 5 14	3.00	1.00	2.00	.500	500	N	N	20	300	<1.0
81SB046A	36 46 10	119 2 50	3.00	1.00	.50	.500	500	N	N	20	700	2.0
81SB046B	36 46 10	119 2 50	.10	.05	<.05	.015	50	N	N	20	150	5.0
81SB047A	36 46 15	119 3 11	2.00	.70	<.05	.300	200	<.5	N	200	1,000	2.0
81SB048A	36 46 30	119 3 41	3.00	2.00	.50	.500	500	<.5	N	50	1,500	2.0
81SB048B	36 46 30	119 3 41	.50	.10	<.05	.030	100	N	N	500	150	N
81SB049E	36 47 0	119 4 8	.05	<.02	<.05	.010	<10	N	N	20	N	N
81SB051A	36 46 28	119 2 28	.20	.70	2.00	.200	1,000	N	N	<10	2,000	1.0
81SB055A	36 48 9	119 4 40	.15	.70	.15	.200	300	N	N	50	1,500	1.5
81SB060A	36 46 55	118 47 40	5.00	1.00	3.00	.300	500	.5	N	20	700	<1.0
81ZN006B	36 51 41	119 6 10	2.00	.50	1.00	.070	500	N	N	20	1,500	1.0
81ZN008B	36 51 46	119 5 11	5.00	1.50	3.00	.500	1,000	N	N	10	100	<1.0
81ZN011B	36 51 45	119 2 45	5.00	2.00	5.00	.300	1,000	N	N	10	200	N
81ZN016B	36 51 53	119 1 29	5.00	.70	.20	.300	500	N	N	20	700	1.5
81ZN019B	36 51 42	119 0 34	2.00	.10	.50	.150	200	1.0	N	<10	200	1.5

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
81RM110A	N	N	N	150	20	50	30	<20	7	30	N	15	N
81RM128A	N	N	10	150	15	100	N	<20	20	50	N	20	N
81RM130A	N	N	N	10	<5	30	N	<20	5	N	N	5	N
81SB001A	N	N	5	50	10	50	N	<20	5	30	N	10	N
81SB002A	N	N	<5	20	<5	50	N	<20	5	20	N	5	N
81SB002B	N	N	<5	20	5	50	N	<20	<5	20	N	5	N
81SB005A	N	N	15	10	30	N	N	<20	<5	20	N	20	N
81SB006A	N	N	10	150	<5	50	N	<20	50	20	N	20	N
81SB006B	N	N	10	100	<5	50	N	<20	50	20	N	20	N
81SB007A	N	N	50	150	100	50	N	20	70	20	N	50	N
81SB010A	N	N	20	200	70	70	N	50	70	10	N	30	N
81SB011A	N	N	30	150	70	50	N	20	50	20	N	30	N
81SB012A	N	N	20	200	30	70	N	<20	50	20	N	30	N
81SB013A	N	N	10	10	<5	50	N	<20	<5	20	N	10	N
81SB013C	100	N	<5	N	15	30	10	<20	<5	50	N	5	N
81SB014A	N	N	<5	150	70	70	<5	<20	5	20	N	30	N
81SB015A	N	N	<5	100	50	50	50	<20	20	10	N	10	N
81SB016A	N	N	<5	100	20	20	N	<20	20	10	N	<5	N
81SB017A	N	N	<5	10	7	<20	N	<20	5	N	N	N	N
81SB019A	N	N	15	10	20	20	N	<20	15	15	N	20	N
81SB021A	N	N	<5	20	20	<20	N	<20	10	N	N	5	N
81SB022A	N	N	10	10	30	20	N	<20	5	15	N	20	N
81SB027A	N	N	<5	N	15	<20	N	<20	5	N	N	N	N
81SB037A	N	N	20	150	200	50	50	<20	150	10	N	10	N
81SB038A	N	N	20	20	70	20	N	<20	10	10	N	50	N
81SB039A	N	N	30	20	150	20	N	<20	10	10	N	50	N
81SB040A	N	N	5	100	10	30	N	<20	50	20	N	5	N
81SB041A	N	N	10	10	15	<20	N	<20	5	30	N	20	N
81SB044A	N	N	15	10	10	<20	N	<20	5	10	N	20	N
81SB044B	N	N	N	N	<5	<20	N	<20	<5	50	N	5	N
81SB045A	N	N	15	10	20	<20	5	<20	20	20	N	20	N
81SB046A	N	N	10	150	20	50	10	<20	30	20	N	20	N
81SB046B	N	N	<5	N	<5	20	N	<20	<5	N	N	N	N
81SB047A	N	N	<5	100	100	30	5	<20	30	20	N	20	N
81SB048A	N	N	20	150	70	50	N	<20	50	30	N	30	N
81SB048B	N	N	5	N	<5	20	N	<20	<5	10	N	N	N
81SB049E	N	N	5	N	<5	<20	N	<20	<5	N	N	N	N
81SB051A	N	N	5	<10	<5	70	N	<20	N	50	N	10	N
81SB055A	N	N	5	20	20	20	N	<20	20	10	N	10	N
81SB060A	N	N	20	70	30	50	N	20	30	20	N	15	N
81ZN006B	N	N	10	20	30	20	N	<20	15	<10	N	5	N
81ZN008B	N	N	15	100	5	200	<5	<20	20	<10	N	20	N
81ZN011B	N	N	20	200	20	30	N	<20	70	10	N	30	N
81ZN016B	N	N	20	150	50	100	N	<20	50	20	N	20	N
81ZN019B	N	N	<5	N	20	70	N	<20	<5	10	N	10	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-P-ppm aa	Au-T-ppm aa	Rock names
81RM110A	150	700	N	15	N	100	N	--	.005	Quartz-mica-graphite schist
81RM128A	200	100	N	70	N	200	N	--	--	Quartz-biotite-white mica-K-spar schist
81RM130A	<100	20	N	<10	N	70	N	--	--	Quartzite
81SB001A	200	100	<50	70	N	700	N	--	--	Quartz-white mica-biotite-sillimanite schist
81SB002A	N	30	N	50	N	700	N	--	--	Quartz vein
81SB002B	N	30	N	20	N	700	N	--	--	Quartz-white mica-biotite-sillimanite schist
81SB003A	500	150	N	20	N	50	N	--	--	Hornblende-biotite-quartz metadiorite
81SB006A	1,500	100	N	50	N	500	N	--	--	Quartz-calcite-epidote-clinopyroxene schist
81SB006B	500	100	N	20	N	150	N	--	--	Quartz vein
81SB007A	1,000	200	N	50	<200	300	N	--	--	Amphibolite inclusion in metagabbro
81SB010A	500	150	N	50	300	300	N	--	--	Quartz-biotite-white mica-andalusite schist
81SB011A	100	150	N	70	200	200	N	--	--	Quartz-biotite-white mica-andalusite schist
81SB012A	1,000	150	N	70	<200	300	N	--	--	Quartz-biotite-white mica-cordierite schist
81SB013A	300	100	N	50	<200	150	N	--	--	Biotite-hornblende granodiorite
81SB013C	200	15	N	50	N	150	N	--	--	Quartz vein
81SB014A	700	200	N	70	<200	300	N	--	--	Quartz-biotite-white mica-andalusite schist
81SB015A	300	500	N	50	<200	100	N	--	.003	Quartz-biotite-white mica-andalusite schist
81SB016A	1,500	100	N	20	N	30	N	--	--	Calcite-quartz-clinopyroxene-tremolite schist
81SB017A	N	<10	N	N	N	N	N	--	--	Quartz vein
81SB019A	700	150	N	30	N	50	N	--	--	Biotite-hornblende-quartz metadiorite
81SB021A	100	100	N	10	<200	30	N	--	--	Quartz-biotite-white mica-andalusite schist
81SB022A	500	100	N	20	N	20	N	--	--	Biotite-hornblende-quartz metadiorite
81SB027A	N	10	N	N	N	N	N	--	--	Quartz vein
81SB037A	300	700	N	70	<200	100	N	--	.006	Quartz-biotite-white mica-andalusite schist
81SB038A	700	500	N	70	N	50	N	--	--	Biotite-hornblende gabbro
81SB039A	500	500	N	50	N	20	N	--	--	Biotite-hornblende gabbro
81SB040A	1,500	100	N	20	<200	50	N	--	--	Clinopyroxene-garnet-plagioclase schist
81SB041A	1,000	100	N	50	N	100	N	--	--	Biotite-hornblende granodiorite
81SB044A	200	100	N	20	N	20	N	--	--	Biotite-hornblende granodiorite
81SB044B	N	10	N	20	N	30	N	--	--	Biotite granodiorite
81SB045A	300	150	N	20	N	100	N	--	--	Biotite-hornblende granodiorite
81SB046A	100	150	N	20	N	200	N	--	--	Quartz-biotite-white mica schist
81SB046B	N	10	N	N	N	N	N	--	--	Quartz vein
81SB047A	N	100	N	20	<200	100	N	--	--	Quartz-biotite-white mica schist
81SB048A	100	150	N	50	<200	200	N	--	--	Quartz-biotite-white mica schist
81SB048B	N	<10	N	N	N	N	N	--	--	Quartz vein
81SB049E	N	<10	N	N	N	N	N	--	--	Quartz vein
81SB051A	700	50	N	10	N	150	N	--	--	Porphyritic biotite-quartz monzonite
81SB055A	N	50	N	10	<200	100	N	--	--	Quartz-biotite-white mica schist
81SB060A	200	70	N	50	N	100	N	N	--	Quartz-actinolite phyllite
81ZN006B	<100	50	N	10	N	30	N	--	--	Altered quartz-biotite schist
81ZN008B	200	50	N	50	<200	30	N	--	--	Calc-silicate hornfels
81ZN011B	500	300	N	20	N	20	N	--	--	Amphibolite inclusion in diorite
81ZN016B	200	100	N	30	N	150	N	--	--	Plagioclase-biotite-andalusite-quartz schist
81ZN019B	100	10	N	50	N	200	N	--	.002	Metadiorite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
81ZM021B	36 51 51	118 58 23	7.00	2.00	2.00	.700	1,500	N	N	10	200	<1.0
81ZM025A	36 52 3	119 5 18	5.00	.20	5.00	.200	5,000	N	N	10	50	1.0
81ZM027A	36 52 58	119 4 30	5.00	.70	2.00	.300	1,000	N	N	10	200	1.0
81ZM029A	36 52 57	119 6 10	5.00	3.00	2.00	.500	700	N	N	<10	1,500	1.5
81ZM033B	36 53 19	119 3 22	5.00	.70	1.50	.300	700	N	N	10	700	2.0
81ZM033C	36 53 19	119 3 22	3.00	.70	1.00	.300	700	N	N	20	1,000	1.5
81ZM034B	36 45 51	119 5 48	1.00	.10	.70	.020	1,500	N	N	1,000	100	1.5
81ZM035A	36 46 10	119 6 2	2.00	1.00	1.00	.200	500	2.0	N	20	2,000	2.0
81ZM036A	36 47 2	119 6 49	N	<.02	.10	.010	<10	<.5	N	10	100	1.0
81ZM038A	36 48 12	119 7 0	1.00	.50	<.05	.100	300	N	N	100	1,000	1.0
81ZM043A	36 47 48	119 6 51	5.00	2.00	7.00	.300	1,500	N	N	20	70	<1.0
81ZM043B	36 47 48	119 6 51	5.00	1.00	20.00	.300	2,000	N	N	20	50	N
81ZM051A	36 45 8	119 3 31	5.00	2.00	7.00	.500	700	N	N	10	1,500	1.5
81ZM060A	36 45 18	119 3 18	7.00	5.00	5.00	1.000	1,500	N	N	20	3,000	1.0
81ZM064A	36 47 4	118 49 29	3.00	.50	1.50	.300	300	N	N	<10	1,000	2.0
81ZM070A	36 50 8	118 57 38	1.00	.20	.50	.100	300	N	N	<10	1,000	1.5
81ZM071A	36 50 23	118 56 56	5.00	1.00	2.00	.300	1,000	N	N	10	700	1.5
81ZM072A	36 47 43	118 43 40	5.00	1.00	1.50	.300	500	N	N	<10	500	1.5
81ZM073A	36 47 37	118 44 41	5.00	1.00	2.00	.500	1,000	N	N	10	1,000	2.0
81ZM075A	36 47 57	118 50 13	3.00	.70	1.50	.200	500	1.5	N	<10	1,000	2.0
81ZM078B	36 55 19	118 58 14	5.00	1.00	7.00	.500	1,500	N	N	10	50	3.0
81ZM086A	36 58 13	118 58 45	7.00	5.00	5.00	.500	1,500	N	N	10	1,500	1.0
81ZM091B	36 55 20	118 53 24	5.00	5.00	5.00	.300	1,500	N	N	10	1,500	1.0
81ZM094A	36 58 14	118 50 22	7.00	5.00	5.00	.500	1,000	N	N	10	1,500	1.0
81ZM095A	36 57 21	118 53 20	7.00	5.00	5.00	.300	1,000	N	N	10	1,000	<1.0
82CB0004A	36 53 41	119 6 28	.50	1.00	.20	.020	200	N	N	10	150	1.5
82CB020B	36 53 53	119 1 4	5.00	1.00	2.00	.500	500	N	N	N	300	1.5
82CB024A	36 54 31	119 2 39	3.00	.70	1.50	.500	500	N	N	<10	1,000	1.5
82CB025A	36 54 26	119 3 15	2.00	.50	1.00	.200	500	N	N	<10	700	2.0
82CB026A	36 54 13	119 3 48	1.50	.20	1.00	.100	300	N	N	N	700	2.0
82CB027A	36 47 48	118 45 58	5.00	1.50	2.00	.500	700	N	N	30	500	1.0
82CB028A	36 47 36	118 45 13	5.00	1.50	2.00	.500	1,000	N	N	20	500	1.0
82CB032A	36 47 41	118 43 56	5.00	1.50	2.00	.500	700	N	N	<10	1,000	1.0
82CB033A	36 47 10	118 46 3	5.00	2.00	2.00	.500	1,000	N	N	20	500	1.0
82CB034A	36 47 1	118 46 1	5.00	2.00	3.00	.500	700	N	N	15	500	1.0
82CB035A	36 46 52	118 46 9	.70	.07	.20	.030	200	N	N	10	70	2.0
82CB036A	36 46 19	118 45 53	5.00	1.50	3.00	.500	700	N	N	15	300	1.0
82CB049A	36 53 7	118 51 35	1.50	.30	.70	.100	300	N	N	N	700	1.5
82CB050A	36 53 21	118 51 29	1.50	.30	.70	.200	300	N	N	N	500	2.0
82CB051A	36 52 51	118 51 33	2.00	.50	1.00	.200	500	N	N	<10	500	2.0
82CB053A	36 53 57	118 50 18	5.00	1.00	2.00	.300	500	N	N	15	500	1.0
82CB054A	36 53 47	118 50 17	5.00	1.50	3.00	.500	1,000	N	N	10	500	1.0
82CB055A	36 53 37	118 50 13	5.00	1.50	3.00	.500	700	N	N	10	700	1.5
82CB056A	36 53 25	118 50 9	5.00	1.50	3.00	.500	700	N	N	<10	500	1.0
82CB057A	36 53 2	118 50 1	3.00	1.00	2.00	.500	700	N	N	<10	500	1.0

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
81ZN021B	N	N	30	20	20	20	N	<20	<5	10	N	30	N
81ZN025A	N	N	10	50	20	20	N	<20	20	<10	N	10	20
81ZN027A	N	N	15	N	50	20	N	<20	<5	<10	N	15	N
81ZN029A	N	N	70	500	150	70	N	<20	200	30	N	20	N
81ZN033B	N	N	10	N	70	30	10	<20	15	30	N	10	N
81ZN033C	N	N	5	100	15	50	N	<20	10	20	N	20	N
81ZN034B	N	N	5	N	N	50	N	<20	5	50	N	10	N
81ZN035A	N	N	10	50	150	30	N	<20	20	10	N	10	N
81ZN036A	N	N	5	N	N	<20	N	<20	<5	50	N	N	N
81ZN038A	N	N	5	20	50	20	N	<20	10	15	N	7	N
81ZN043A	N	N	20	20	50	20	N	<20	5	15	N	30	N
81ZN043B	N	N	10	20	50	20	N	<20	5	<10	N	20	N
81ZN051A	N	N	50	300	50	30	N	<20	100	20	N	20	N
81ZN060A	N	N	50	1,000	100	100	N	<20	150	50	N	50	N
81ZN064A	N	N	N	N	20	70	10	<20	5	20	N	10	N
81ZN070A	N	N	N	N	<5	50	N	N	10	20	N	5	N
81ZN071A	N	N	15	10	10	50	<5	<20	10	30	N	15	N
81ZN072A	N	N	15	<10	30	50	N	<20	10	20	N	10	N
81ZN073A	N	N	15	20	<5	70	N	<20	<5	30	N	30	N
81ZN075A	10	N	5	10	300	50	N	<20	N	50	N	20	N
81ZN078B	N	N	20	200	<5	70	N	<20	50	30	N	30	N
81ZN086A	N	N	50	1,500	100	70	N	<20	300	30	N	30	N
81ZN091B	N	N	30	700	100	70	N	<20	200	30	N	30	N
81ZN094A	N	N	50	1,000	100	70	N	<20	300	30	N	30	N
81ZN095A	N	N	50	1,000	70	70	N	<20	200	30	N	30	N
82C8004A	N	N	N	<10	<5	<20	N	<20	N	70	N	<5	N
82C8020B	N	N	15	<10	10	30	N	N	<5	10	N	10	N
82C8024A	N	N	5	N	N	30	N	<20	N	10	N	10	N
82C8025A	N	N	5	N	N	30	N	<20	N	20	N	<5	N
82C8026A	N	N	N	N	<5	30	N	N	N	20	N	<5	N
82C8027A	N	N	20	15	15	30	N	N	<5	15	N	10	N
82C8028A	N	N	20	15	10	30	N	N	5	15	N	10	N
82C8032A	N	N	20	10	15	30	N	N	10	20	N	10	N
82C8033A	N	N	30	15	15	30	N	N	10	15	N	15	N
82C8034A	N	N	30	20	15	70	N	N	10	15	N	15	N
82C8035A	N	N	N	N	7	20	N	N	<5	20	N	N	N
82C8036A	N	N	30	20	15	30	N	N	7	10	N	15	N
82C8049A	N	N	<5	N	N	30	N	N	N	<10	N	5	N
82C8050A	N	N	5	<10	N	50	N	N	<5	20	N	5	N
82C8051A	N	N	<5	N	<5	50	N	N	<5	20	N	5	N
82C8053A	N	N	20	10	5	20	N	N	<5	20	N	10	N
82C8054A	N	N	20	15	10	30	N	N	5	15	N	15	N
82C8055A	N	N	20	15	7	30	N	N	5	20	N	15	N
82C8056A	N	N	20	10	<5	30	N	N	<5	20	N	10	N
82C8057A	N	N	15	10	N	30	N	N	<5	15	N	10	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-P-ppm aa	Au-T-ppm aa	Rock names
812N021B	500	150	N	70	N	200	N	--	--	Metadiorite
812N025A	200	100	N	50	N	70	N	--	--	Quartz-clinopyroxene-garnet schist
812N027A	500	100	N	30	N	50	N	--	--	Biotite-hornblende-quartz metadiorite
812N029A	700	100	N	20	N	150	N	--	--	Leucite tephrite
812N033B	700	50	N	20	N	200	N	--	--	Biotite quartz monzonite
812N033C	300	70	N	20	N	150	N	--	--	Quartz-biotite-white mica cordierite schist
812N034B	N	10	N	70	N	30	N	--	--	Pegmatite
812N035A	150	70	N	15	N	150	N	.002	--	Quartz-biotite-tremolite schist
812N036A	N	<10	N	N	N	N	N	--	--	Pegmatite
812N038A	N	50	N	10	N	50	N	--	--	Quartz-biotite-white mica schist
812N043A	500	200	N	20	N	100	N	--	--	Hornblende-biotite-quartz metadiorite
812N043B	200	150	N	70	N	100	N	--	--	Epidote-clinopyroxene skarn
812N051A	1,000	150	N	15	N	200	N	--	--	Olivine-clinopyroxene basalt
812N060A	1,500	200	N	70	N	300	N	--	--	Olivine basalt
812N064A	300	20	N	50	N	200	N	--	--	Biotite-hornblende granodiorite
812N070A	150	15	N	10	N	50	N	--	--	Biotite quartz monzonite
812N071A	500	100	N	30	N	100	N	--	--	Hornblende-biotite granodiorite
812N072A	500	100	N	10	N	100	N	--	--	Hornblende-biotite granodiorite
812N073A	500	50	N	50	N	200	N	--	--	Hornblende-biotite granodiorite
812N075A	300	50	N	50	N	200	N	.006	--	Porphyritic biotite-quartz monzonite
812N078B	700	150	N	70	N	300	N	--	--	Olivine-clinopyroxene basalt
812N086A	1,000	150	N	30	N	200	N	--	--	Olivine basalt
812N091B	1,500	200	N	20	N	200	N	--	--	Plagioclase-epidote-chlorite quartz schist
812N094A	1,000	200	N	20	N	150	N	--	--	Olivine-clinopyroxene basalt
812N095A	1,000	200	N	20	N	100	N	--	--	Olivine-clinopyroxene alkali basalt
82C80004A	N	10	N	20	N	50	N	--	--	Quartz-biotite schist
82C8020B	200	100	N	30	N	300	N	--	--	Biotite-hornblende-quartz diorite
82C8024A	300	30	N	30	N	200	N	--	--	Biotite-quartz diorite
82C8025A	150	20	N	15	N	200	N	--	--	Biotite-quartz monzonite
82C8026A	150	10	N	15	N	70	N	--	--	Biotite-quartz monzonite
82C8027A	200	100	N	20	N	300	N	--	--	Hornblende-biotite granodiorite
82C8028A	300	150	N	20	N	100	N	--	--	Hornblende-biotite granodiorite
82C8032A	500	150	N	20	N	150	N	--	--	Hornblende-biotite granodiorite
82C8033A	200	150	N	30	N	50	N	--	--	Hornblende-biotite granodiorite
82C8034A	500	200	N	20	N	150	N	--	--	Hornblende-biotite granodiorite
82C8035A	N	<10	N	10	N	70	N	--	--	Biotite-quartz monzonite
82C8036A	500	150	N	20	N	30	N	--	--	Hornblende-biotite granodiorite
82C8049A	100	20	N	10	N	70	N	--	--	Porphyritic biotite-quartz monzonite
82C8050A	100	20	N	20	N	100	N	--	--	Porphyritic biotite-quartz monzonite
82C8051A	100	30	N	20	N	150	N	--	--	Porphyritic biotite-quartz monzonite
82C8053A	150	70	N	20	N	200	N	--	--	Biotite-hornblende granodiorite
82C8054A	300	150	N	20	N	30	N	--	--	Biotite-hornblende granodiorite
82C8055A	200	150	N	20	N	70	N	--	--	Biotite-hornblende granodiorite
82C8056A	150	100	N	20	N	100	N	--	--	Biotite-hornblende granodiorite
82C8057A	150	100	N	30	N	100	N	--	--	Biotite-hornblende granodiorite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-pptm S	Ag-pptm S	As-pptm S	B-pptm S	Ba-pptm S	Be-pptm S
82JM031	36 53 16	118 58 48	1.00	.02	.50	.010	200	N	N	<10	<20	3.0
82JM034A	36 52 40	118 59 44	1.50	.02	.20	N	5,000	N	N	N	50	2.0
82JM050A	36 50 33	118 56 38	>20.00	.50	1.00	.007	>5,000	1.0	N	<10	<20	1.5
82JM050B	36 50 33	118 56 38	20.00	.50	15.00	.010	>5,000	N	N	20	<20	3.0
82JM053B	36 51 2	119 0 1	10.00	3.00	7.00	1.000	2,000	.5	N	15	200	<1.0
82JM054A	36 51 17	119 0 33	20.00	.30	5.00	.007	2,000	<.5	N	<10	150	<1.0
82NK002A	36 52 11	119 7 35	1.50	.70	1.50	.150	500	N	N	10	1,000	<1.0
82NK006A	36 54 3	119 7 44	5.00	1.50	2.00	.500	500	N	N	10	300	<1.0
82NK007A	36 54 24	119 8 6	5.00	1.50	2.00	.500	500	N	N	10	300	<1.0
82NK009A	36 53 43	119 7 39	5.00	3.00	3.00	.500	500	N	N	10	50	N
82NK014A	36 51 26	119 5 34	5.00	1.00	3.00	.200	700	N	N	10	500	<1.0
82NK016A	36 51 39	119 5 40	.10	1.50	7.00	.030	100	N	N	N	300	N
82NK017A	36 51 51	119 5 41	3.00	1.00	2.00	.300	700	N	N	10	700	1.0
82NK018A	36 52 0	119 5 34	3.00	1.00	2.00	.200	500	N	N	10	700	<1.0
82NK019A	36 52 20	119 9 13	3.00	1.00	.07	.200	150	<.5	N	20	700	1.0
82NK022B	36 52 27	119 9 28	3.00	.70	<.05	.500	150	N	N	70	500	1.0
82NK024A	36 52 19	119 7 0	5.00	1.00	2.00	.500	300	N	N	10	500	<1.0
82NK025A	36 52 36	119 6 19	2.00	.50	5.00	.200	500	N	N	20	300	<1.0
82NK026A	36 53 9	119 6 57	3.00	1.00	2.00	.300	300	N	N	10	300	<1.0
82NK027A	36 52 33	119 7 52	3.00	1.00	1.00	.200	200	N	N	100	700	1.0
82NK028A	36 52 58	119 7 7	1.50	.20	.70	.070	150	N	N	10	300	1.0
82NK029A	36 54 32	119 6 57	1.00	.20	.70	.100	150	N	N	10	700	1.0
82NK030A	36 54 42	119 6 10	1.00	.20	.70	.100	150	N	N	10	700	1.0
82NK031A	36 54 54	119 5 21	1.00	.05	.70	.070	200	N	N	10	500	1.5
82NK032A	36 47 45	119 2 44	7.00	1.50	.30	.700	1,000	N	N	10	1,000	2.0
82NK035A	36 49 31	119 1 31	1.00	.70	.05	.200	150	N	N	50	>5,000	<1.0
82NK036A	36 49 44	119 1 58	N	.70	20.00	.003	<10	N	N	N	<20	N
82NK037A	36 49 57	119 2 4	2.00	.70	3.00	.500	1,500	N	N	10	500	1.0
82NK039A	36 52 48	118 54 44	1.50	.50	1.00	.300	500	N	N	<10	1,000	2.0
82NK040A	36 52 11	118 55 26	3.00	.50	1.00	.300	500	N	N	<10	1,000	1.5
82NK041A	36 54 19	118 55 52	5.00	2.00	3.00	.500	1,000	N	N	<10	500	1.0
82NK042A	36 54 12	118 55 51	1.50	.30	1.00	.100	300	N	N	<10	2,000	1.0
82NK044A	36 53 30	119 0 29	.70	.07	.20	.030	200	N	N	<10	300	1.5
82NK045A	36 53 16	119 0 5	.30	.03	.07	.003	500	N	N	<10	<20	1.5
82NK046A	36 52 39	118 59 51	5.00	2.00	5.00	.500	1,000	N	N	<10	300	1.0
82NK047A	36 53 12	118 58 58	.70	.05	.15	.010	200	N	N	10	20	3.0
82NK048A	36 54 34	118 58 58	1.00	.15	.70	.070	200	N	N	N	500	1.5
82NK050A	36 52 59	119 1 5	1.50	.15	.30	.100	300	N	N	<10	700	1.5
82NK053A	36 48 9	119 2 9	2.00	.50	1.50	.300	500	N	N	10	1,000	1.5
82NK055A	36 50 12	119 2 19	5.00	2.00	5.00	.500	1,500	N	N	<10	700	<1.0
82NK056A	36 50 20	119 3 17	5.00	2.00	7.00	.500	1,500	N	N	<10	700	<1.0
82NK058A	36 48 9	119 6 20	7.00	3.00	5.00	.700	1,000	N	N	15	500	<1.0
82NK059A	36 48 2	119 5 29	.70	.70	>20.00	.050	500	N	N	N	700	N
82NK061A	36 46 23	118 47 41	.50	.05	.10	.050	<10	N	N	10	100	N
82NK062A	36 46 58	118 46 43	5.00	1.50	2.00	.500	700	N	N	15	500	1.0

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
82JM031	N	N	N	N	N	N	N	<20	N	70	N	<5	N
82JM034A	N	N	N	N	15	N	N	N	N	20	N	7	N
82JM050A	100	N	20	10	20	50	N	N	N	N	N	N	1,000
82JM050B	N	N	50	<10	N	20	15	N	<5	N	N	N	50
82JM053B	N	N	70	15	50	<20	N	N	5	10	N	50	N
82JM054A	N	N	10	10	50	50	7	N	30	<10	1,500	N	N
82NK002A	N	N	5	10	7	N	5	N	5	15	N	7	N
82NK006A	N	N	20	<10	5	30	N	<20	N	20	N	20	N
82NK007A	N	N	20	N	5	N	N	<20	N	15	N	20	N
82NK009A	N	N	30	150	15	N	N	N	50	<10	N	50	N
82NK014A	N	N	10	<10	10	N	N	N	<5	10	N	15	N
82NK016A	N	N	N	10	<5	N	N	N	N	10	N	<5	N
82NK017A	N	N	15	50	7	50	N	<20	20	20	N	10	N
82NK018A	N	N	10	10	7	N	N	N	5	10	N	10	N
82NK019A	N	N	7	70	10	100	N	<20	10	30	N	15	N
82NK022B	N	N	10	70	7	70	N	20	7	20	N	15	N
82NK024A	N	N	15	<10	<5	<20	N	<20	<5	10	N	20	N
82NK025A	N	N	10	70	5	20	N	<20	15	<10	N	15	N
82NK026A	N	N	15	<10	<5	20	N	N	<5	10	N	15	<10
82NK027A	N	N	20	70	10	50	N	<20	20	70	N	15	<10
82NK028A	N	N	N	<10	<5	50	N	N	N	20	N	<5	N
82NK029A	N	N	N	<10	<5	50	N	<20	N	30	N	<5	N
82NK030A	N	N	N	<10	N	50	N	N	N	20	N	5	N
82NK031A	N	N	N	<10	<5	30	N	<20	N	50	N	<5	N
82NK032A	N	N	30	150	15	70	N	20	50	20	N	30	N
82NK035A	N	N	<5	30	15	N	N	N	7	<10	N	5	N
82NK036A	N	N	N	N	N	N	N	N	N	N	N	N	N
82NK037A	N	N	15	70	7	30	N	N	30	N	N	10	N
82NK039A	N	N	5	<10	N	30	N	N	5	20	N	<5	N
82NK040A	N	N	7	N	N	30	N	N	<5	20	N	5	N
82NK041A	N	N	20	20	10	20	N	N	5	10	N	10	N
82NK042A	N	N	<5	N	N	50	N	N	N	15	N	5	N
82NK044A	N	N	<5	N	N	20	N	N	N	20	N	N	N
82NK045A	N	N	<5	N	N	N	N	N	<5	30	N	N	N
82NK046A	N	N	20	20	<5	30	N	N	7	15	N	15	N
82NK047A	N	N	N	N	N	N	N	50	<5	20	N	<5	N
82NK048A	N	N	N	N	5	30	N	N	N	20	N	N	N
82NK050A	N	N	<5	N	N	30	N	N	N	20	N	N	N
82NK053A	N	N	7	N	N	30	N	N	N	10	N	<5	N
82NK055A	N	N	20	10	7	<20	N	N	<5	10	N	20	N
82NK056A	N	N	15	15	15	20	N	N	<5	<10	N	30	N
82NK058A	N	N	50	20	<5	20	N	N	10	10	N	30	N
82NK059A	N	N	<5	15	7	N	N	N	10	N	N	<5	N
82NK061A	N	N	N	<10	N	<20	N	N	<5	N	N	N	N
82NK062A	N	N	15	20	15	20	N	N	7	15	N	10	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AU-P-ppm aa	AU-T-ppm aa	Rock names
82JM031	N	N	N	50	N	70	N	--	--	Biotite-white mica-garnet quartz monzonite
82JM034A	N	N	N	100	N	70	N	--	--	Garnet aplite dike
82JM050A	N	N	N	10	700	N	N	.05	--	Gossan
82JM050B	<100	15	N	N	5,000	N	N	N	--	Gossan
82JM053B	500	500	N	20	N	300	N	N	--	Hornblende gabbro
82JM054A	N	50	N	N	N	<10	N	N	--	Gossan and marble
82NK002A	200	70	N	10	N	50	N	--	--	Biotite-quartz diorite
82NK006A	300	150	N	20	<200	70	N	--	--	Biotite-hornblende-quartz diorite
82NK007A	500	150	N	20	<200	100	N	--	--	Biotite-hornblende-quartz diorite
82NK009A	200	200	N	20	<200	20	N	--	--	Amphibolite (metagabbro)
82NK014A	500	100	N	20	N	50	N	--	--	Hornblende-biotite-quartz diorite dike
82NK016A	500	50	N	10	N	30	N	--	--	Marble
82NK017A	500	50	N	50	N	150	N	--	--	Quartz-calcite-epidote-clinopyroxene schist
82NK018A	500	70	N	20	N	50	N	--	--	Biotite-hornblende-quartz metadiorite
82NK019A	150	70	N	50	N	70	N	N	--	Quartz-biotite-white mica-andalusite schist
82NK022B	<100	70	N	50	<200	200	N	--	--	Quartz-biotite-andalusite-white mica schist
82NK024A	300	100	N	50	<200	150	N	--	--	Biotite-hornblende-quartz diorite
82NK025A	300	50	N	30	N	100	N	--	--	Quartz-calcite-epidote-clinopyroxene schist
82NK026A	300	100	N	20	<200	100	N	--	--	Biotite-hornblende-quartz diorite
82NK027A	200	70	N	30	N	100	N	--	--	Amphibolite (metamarl)
82NK028A	200	10	N	10	N	70	N	--	--	Biotite-quartz monzonite
82NK029A	200	20	N	10	N	150	N	--	--	Biotite-quartz monzonite
82NK030A	200	15	N	<10	N	100	N	--	--	Biotite-quartz monzonite
82NK031A	200	15	N	10	N	100	N	--	--	Biotite-quartz monzonite
82NK032A	100	200	N	70	N	500	N	--	--	Quartz-biotite-white mica-cordierite schist
82NK035A	<100	200	N	10	N	70	N	--	--	Quartzite
82NK036A	150	10	N	N	N	N	N	--	--	Marble
82NK037A	200	100	N	20	N	150	N	--	--	Quartz schist
82NK039A	200	30	N	20	N	100	N	--	--	Porphyritic biotite-quartz monzonite
82NK040A	200	30	N	20	N	150	N	--	--	Porphyritic biotite-quartz monzonite
82NK041A	300	150	N	20	N	70	N	--	--	Hornblende-biotite-quartz diorite
82NK042A	200	<10	N	15	N	100	N	--	--	Porphyritic biotite-quartz monzonite
82NK044A	<100	<10	N	15	N	50	N	--	--	Biotite-quartz monzonite
82NK045A	N	<10	N	20	N	10	N	--	--	Pegmatite
82NK046A	300	100	N	20	N	100	N	--	--	Biotite-hornblende granodiorite
82NK047A	N	<10	N	30	N	30	N	--	--	Porphyritic biotite-quartz monzonite
82NK048A	150	<10	N	15	N	150	N	--	--	Biotite-quartz monzonite
82NK050A	100	10	N	10	N	100	N	--	--	Biotite-quartz monzonite
82NK053A	300	30	N	20	N	70	N	--	--	Porphyritic biotite quartz monzonite
82NK055A	300	200	N	20	N	50	N	--	--	Biotite-hornblende-quartz metadiorite
82NK056A	300	200	N	20	N	20	N	--	--	Biotite-hornblende-quartz metadiorite
82NK058A	200	200	N	50	N	50	N	--	--	Biotite-hornblende quartz diorite
82NK059A	>5,000	50	N	10	N	20	N	--	--	Wollastonite-calcite schist
82NK061A	N	15	N	N	N	100	N	--	--	Quartzite
82NK062A	200	100	N	20	N	300	N	--	--	Hornblende-biotite-quartz diorite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppt s	Ag-ppt s	As-ppt s	B-ppt s	Ba-ppt s	Be-ppt s
82NK063A	36 46 54	118 46 50	<.05	.30	20.00	<.002	50	N	N	N	100	N
82NK065A	36 46 40	118 46 30	2.00	.30	1.00	.300	500	N	N	30	1,500	1.0
82NK066A	36 48 3	118 47 28	5.00	1.50	3.00	.500	700	N	N	10	1,000	1.0
82NK069A	36 48 13	118 47 17	3.00	.10	.50	.300	500	N	N	10	2,000	2.0
82NK070A	36 48 17	118 48 42	1.00	.20	<.05	.100	100	N	N	15	500	N
82RM008A	36 52 48	118 54 40	2.00	.50	1.50	.200	500	N	N	N	1,000	3.0
82RM011A	36 52 45	118 16 28	1.00	.03	.30	.030	200	N	N	<10	20	3.0
82RM015B	36 53 3	119 0 59	.50	.05	.20	.002	2,000	N	N	10	N	2.0
82RM019A	36 52 8	119 0 51	1.50	.70	10.00	.200	1,500	N	N	20	150	1.0
82RM022A	36 53 13	119 3 3	2.00	1.50	1.00	.500	500	.5	N	50	1,500	1.0
82RM022D	36 53 13	119 3 3	7.00	7.00	10.00	1.000	2,000	N	N	10	20	N
82RM024A	36 51 30	119 9 50	7.00	3.00	.70	.700	1,000	<.5	N	70	700	1.5
82RM025A	36 51 40	119 9 11	2.00	.20	1.50	.100	300	N	N	<10	700	1.0
82RM025B	36 51 40	119 9 11	7.00	2.00	.10	.500	3,000	<.5	N	20	1,500	1.5
82RM026A	36 52 18	119 9 36	.30	7.00	20.00	.020	100	N	N	N	700	N
82RM026B	36 52 18	119 9 36	5.00	2.00	>20.00	.500	700	N	N	<10	3,000	<1.0
82RM028A	36 51 29	119 10 40	2.00	1.00	.20	.500	500	N	N	150	1,500	1.0
82RM029A	36 50 51	119 10 3	7.00	2.00	1.50	1.000	2,000	<.5	N	10	2,000	1.5
82RM030A	36 51 57	119 13 33	.50	.10	.50	.030	150	N	N	N	1,500	1.5
82RM036A	36 50 48	119 9 10	2.00	1.50	.15	.500	1,000	N	N	50	>5,000	<1.0
82RM036B	36 50 48	119 9 10	.70	.05	.07	.010	5,000	N	N	100	100	1.0
82RM036C	36 50 48	119 9 10	1.00	.50	5.00	.020	>5,000	2.0	N	70	N	N
82RM036D	36 50 48	119 9 10	2.00	1.50	5.00	.020	>5,000	N	N	10	<20	N
82RM036E	36 50 48	119 9 10	1.00	.50	.20	.030	>5,000	N	N	N	150	N
82RM037A	36 50 57	119 13 10	2.00	1.00	1.00	.150	5,000	N	N	15	1,000	1.0
82RM039B	36 50 49	119 12 31	1.00	.02	.30	<.002	300	N	N	N	2,000	N
82RM040A	36 51 3	119 13 41	3.00	1.50	.20	.500	300	<.5	N	70	1,500	1.5
82RM041B	36 51 28	119 14 5	10.00	5.00	15.00	.500	2,000	N	N	<10	300	<1.0
82RM042B	36 51 38	119 14 38	1.00	.10	.15	.015	1,500	N	N	<10	20	2.0
82RM045A	36 51 28	119 13 31	3.00	1.50	.30	.500	500	N	N	15	700	1.5
82S8002A	36 50 37	119 5 11	5.00	1.00	3.00	.200	500	N	N	<10	500	N
82S8004A	36 54 4	119 8 35	5.00	1.00	.50	.300	200	N	N	15	1,000	1.0
82S8005A	36 53 59	119 8 47	.50	.70	10.00	.050	200	N	N	N	500	N
82S8005B	36 53 59	119 8 47	2.00	.70	7.00	.200	700	N	N	10	500	<1.0
82S8007A	36 54 18	119 8 53	3.00	.70	1.00	.300	500	N	N	10	500	<1.0
82S8007B	36 54 18	119 8 53	5.00	1.50	1.50	.500	500	N	N	10	500	<1.0
82S8008A	36 54 20	119 8 57	5.00	1.50	7.00	.500	500	N	N	10	20	<1.0
82S8009A	36 54 48	119 9 1	1.00	.30	.70	.100	200	N	N	<10	700	1.0
82S8017A	36 50 46	119 7 1	2.00	.70	.50	.200	300	N	N	30	1,000	<1.0
82S8021A	36 52 49	119 12 13	3.00	1.00	1.50	.300	200	N	N	<10	700	<1.0
82S8021B	36 52 49	119 12 13	5.00	1.00	1.50	.500	500	N	N	10	500	<1.0
82S8023A	36 52 30	119 12 3	2.00	.50	1.00	.300	300	N	N	<10	500	<1.0
82S8025A	36 52 37	119 14 2	5.00	2.00	1.50	.500	700	N	N	<10	300	N
82S8033A	36 53 37	118 54 12	2.00	.50	1.00	.300	500	N	N	N	700	2.0
82S8034A	36 52 54	118 54 10	2.00	.30	1.00	.200	500	N	N	N	500	2.0

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
82NK063A	N	N	N	N	N	N	N	N	<5	N	N	N	N
82NK065A	N	N	7	<10	<5	30	N	N	<5	15	N	5	N
82NK066A	N	N	20	10	5	30	N	N	<5	20	N	10	N
82NK069A	N	N	N	N	10	50	N	<20	N	30	N	10	N
82NK070A	N	N	5	10	10	<20	N	N	5	N	N	<5	N
82RM008A	N	N	<5	N	N	30	N	N	N	20	N	<5	N
82RM011A	N	N	<5	N	N	N	N	N	N	30	N	N	N
82RM015B	N	N	<5	N	N	N	N	N	N	50	N	N	N
82RM019A	N	N	10	30	<5	30	N	N	20	N	N	7	N
82RM022A	N	N	7	100	100	20	5	N	30	30	N	15	N
82RM022D	N	N	50	1,000	30	50	N	<20	500	10	N	30	N
82RM024A	N	N	20	500	70	100	N	<20	70	20	N	30	N
82RM025A	N	N	N	<10	<5	100	N	N	N	15	N	<5	N
82RM025B	N	N	10	70	20	50	N	N	15	15	N	15	N
82RM026A	N	N	N	15	N	<20	N	N	5	N	N	N	N
82RM026B	N	N	15	70	<5	30	N	N	30	10	N	10	N
82RM028A	N	N	5	50	10	20	N	N	15	10	N	10	N
82RM029A	N	N	7	100	50	70	10	20	10	15	N	20	N
82RM030A	N	N	N	N	N	30	N	N	N	70	N	N	N
82RM036A	N	N	7	20	70	30	5	N	10	10	N	10	N
82RM036B	N	N	7	<10	<5	N	N	N	5	70	N	<5	N
82RM036C	20	N	1,500	N	30	N	N	N	500	N	N	<5	N
82RM036D	N	N	500	N	30	N	N	N	150	N	N	N	N
82RM036E	N	N	20	N	10	N	N	N	10	N	N	N	N
82RM037A	N	N	10	15	100	30	N	N	20	<10	N	7	N
82RM039B	N	N	<5	N	N	<20	N	N	<5	30	N	N	N
82RM040A	N	N	7	100	20	30	N	N	15	15	N	15	N
82RM041B	N	N	50	700	150	20	7	N	200	<10	N	30	N
82RM042B	N	N	<5	N	N	<20	N	N	<5	15	N	<5	N
82RM045A	N	N	15	70	70	30	N	N	30	10	N	15	N
82S80002A	N	N	10	<10	7	N	N	N	N	<10	N	15	N
82S80004A	N	N	10	100	10	100	N	<20	5	50	N	15	N
82S80005A	N	N	N	10	<5	N	N	N	10	15	N	<5	N
82S80005B	N	N	7	20	5	50	N	<20	15	20	N	10	N
82S80007A	N	N	10	<10	<5	30	N	<20	7	30	N	10	N
82S80007B	N	N	15	15	10	30	N	<20	7	30	N	10	N
82S80008A	N	N	15	20	<5	100	N	20	20	20	N	20	N
82S80009A	N	N	N	N	<5	20	N	N	N	30	N	<5	N
82S8017A	N	N	7	20	7	30	N	<20	15	10	N	7	N
82S8021A	N	N	5	N	<5	30	N	N	N	15	N	5	N
82S8021B	N	N	7	N	5	<20	N	N	N	10	N	7	N
82S8023A	N	N	<5	<10	<5	20	N	N	7	15	N	<5	N
82S8025A	N	N	15	N	<5	20	N	N	N	<10	N	15	N
82S8033A	N	N	5	5	<5	20	N	N	N	20	N	5	N
82S8034A	N	N	5	N	10	30	N	N	N	20	N	5	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued.

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-P-ppm aa	Au-T-ppm aa	Rock names
82NK063A	100	10	N	<10	N	N	N	--	--	Marble
82NK065A	300	30	N	15	N	100	N	--	--	Biotite-hornblende-quartz monzonite
82NK066A	200	100	N	15	N	150	N	--	--	Hornblende-biotite-quartz metadiorite
82NK069A	<100	N	N	70	N	300	N	--	--	Metadacite
82NK070A	N	20	N	<10	N	100	N	--	--	Metagartzite
82RM008A	200	20	N	15	N	50	N	--	--	Porphyritic biotite-quartz monzonite
82RM011A	N	<10	N	15	N	70	N	--	--	Biotite-quartz monzonite
82RM015B	N	<10	N	50	N	30	N	--	--	Garnet alaskite
82RM019A	150	50	N	15	N	100	N	--	--	Quartzite
82RM022A	200	100	N	15	N	100	N	--	--	Quartz-biotite-white mica-cordierite schist
82RM022D	100	150	N	30	N	200	N	--	--	Amphibolite inclusion in metagabbro
82RM024A	N	200	N	70	N	300	N	--	--	Quartz-biotite-sillimanite-andalusite schist
82RM025A	150	15	N	15	N	150	N	--	--	Biotite-white mica-quartz monzonite
82RM025B	<100	100	N	30	N	300	N	--	--	Quartz-biotite-andalusite schist
82RM026A	200	100	N	<10	N	<10	N	--	--	Marble
82RM026B	300	70	N	50	N	300	N	--	--	Quartz-calcite-wollastonite-epidote schist
82RM028A	N	100	N	20	N	100	N	--	--	Quartz-biotite schist
82RM029A	500	200	N	50	N	300	N	--	--	Quartz-biotite-sillimanite schist
82RM030A	150	N	N	<10	N	70	N	--	--	Biotite-white mica-quartz monzonite
82RM036A	N	200	N	30	N	100	N	--	--	Quartz-biotite schist
82RM036B	N	N	N	20	N	<10	N	--	--	Pegmatite
82RM036C	<100	500	N	30	300	15	N	--	--	Clinopyroxene-epidote-garnet skarn
82RM036D	N	300	N	20	200	15	N	--	--	Quartz-clinopyroxene-garnet schist
82RM036E	N	200	N	<10	N	20	N	--	--	Quartzite
82RM037A	<100	50	N	20	N	70	N	--	--	Quartz-biotite schist
82RM039B	150	N	N	10	N	50	N	--	--	Garnet alaskite
82RM040A	<100	150	N	30	N	200	N	--	--	Quartz-biotite-white mica-cordierite schist
82RM041B	500	150	N	50	N	70	N	--	--	Actinolite-clinopyroxene schist
82RM042B	N	10	N	10	N	20	N	--	--	Biotite-white mica-quartz monzonite
82RM045A	<100	100	N	30	N	200	N	--	--	Quartz-biotite-white mica schist
82S8002A	300	100	N	20	N	100	N	--	--	Quartz metadiorite
82S8004A	200	70	N	20	N	300	N	--	--	Biotite-garnet-quartz monzonite
82S8005A	1,000	70	N	N	N	30	N	--	--	Marble
82S8005B	500	50	N	50	N	100	N	--	--	Wollastonite-clinopyroxene-plagioclase schist
82S8007A	200	50	N	70	N	200	N	--	--	Biotite-quartz diorite
82S8007B	300	100	N	15	N	150	N	--	--	Biotite-hornblende-quartz diorite
82S8008A	1,000	50	N	30	N	200	N	--	--	Epidote-garnet-clinopyroxene-scheelite skarn
82S8009A	200	20	N	<10	N	100	N	--	--	Hornblende diorite
82S8017A	100	50	N	15	N	100	N	--	--	Biotite-white mica-quartz monzonite
82S8021A	300	50	N	10	N	100	N	--	--	Biotite-quartz diorite
82S8021B	500	50	N	15	N	150	N	--	--	Quartz diorite
82S8023A	500	15	N	N	N	100	N	--	--	Biotite-quartz diorite
82S8025A	500	100	N	20	N	50	N	--	--	Biotite-hornblende-quartz diorite
82S8033A	150	30	N	15	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82S8034A	150	30	N	20	N	100	N	--	--	Porphyritic biotite-quartz monzonite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
82SB035A	36 52 22	118 53 56	3.00	1.00	1.00	.500	1,000	N	N	N	700	1.5
82SB036A	36 52 16	118 53 49	1.50	.30	1.00	.200	300	N	N	N	1,000	1.5
82SB037A	36 52 3	118 53 39	2.00	.50	1.00	.300	500	N	N	N	300	2.0
82SB038A	36 52 0	118 53 30	2.00	.50	1.50	.300	700	N	N	N	700	2.0
82SB039A	36 54 24	118 53 58	2.00	.30	1.00	.200	500	N	N	N	1,500	1.5
82SB040A	36 54 14	118 54 5	2.00	.30	1.00	.300	500	N	N	<10	1,000	2.0
82SB041A	36 54 4	118 54 0	2.00	.50	1.00	.200	500	N	N	N	1,000	2.0
82SB042A	36 53 52	118 54 0	2.00	.50	1.00	.300	700	N	N	N	700	3.0
82SB043A	36 53 37	118 54 12	2.00	.30	1.00	.200	500	N	N	N	700	2.0
82SB044A	36 51 22	118 52 47	1.50	.30	1.00	.200	700	N	N	N	1,500	3.0
82SB045A	36 52 43	118 50 41	1.50	.30	1.00	.200	300	N	N	N	1,000	2.0
82SB047A	36 53 43	119 2 0	3.00	.70	2.00	.500	500	N	N	10	500	1.5
82SB047C	36 53 43	119 2 0	1.00	.10	.50	.100	300	N	N	N	70	1.5
82SB048A	36 53 38	119 2 32	1.50	.50	1.00	.200	300	N	N	<10	1,500	1.5
82SB048B	36 53 38	119 2 32	1.50	.30	1.50	.150	300	N	N	N	500	1.5
82SB049A	36 53 34	119 2 48	7.00	2.00	5.00	.700	1,500	N	N	<10	500	1.0
82SB049B	36 53 34	119 2 48	.70	.05	.30	.020	700	N	N	10	N	5.0
82SB050A	36 53 20	119 3 10	7.00	5.00	5.00	.500	1,000	N	N	10	200	<1.0
82SB051A	36 53 18	119 3 30	5.00	1.50	.50	.500	500	N	N	150	2,000	1.0
82SB052A	36 52 40	119 9 36	1.50	.30	1.00	.100	100	N	N	N	500	N
82SB053A	36 52 47	119 9 26	5.00	2.00	1.00	.300	700	N	N	15	1,000	2.0
82SB054A	36 48 32	119 8 58	5.00	1.00	5.00	.500	700	N	N	15	1,000	<1.0
82SB055A	36 49 17	119 8 41	5.00	2.00	5.00	.500	1,000	N	N	<10	700	<1.0
82SB056A	36 49 49	119 7 5	5.00	2.00	15.00	.700	1,000	N	N	15	300	1.0
82SB057A	36 49 44	119 5 47	1.00	3.00	20.00	.030	300	N	N	N	N	N
82SB057B	36 49 44	119 5 47	5.00	1.50	.15	.500	150	N	N	200	1,000	1.0
82SB058A	36 50 19	119 4 51	5.00	1.00	5.00	.300	1,000	N	N	N	700	<1.0
82SB059A	36 50 16	119 4 38	1.00	.20	.70	.100	300	N	N	15	1,000	2.0
82SB060A	36 50 0	119 4 30	5.00	1.50	7.00	.500	1,500	N	N	<10	700	<1.0
82SB061B	36 50 9	119 4 3	.20	.03	<.05	.005	30	N	N	N	<20	N
82SB062A	36 51 36	118 57 3	1.50	.30	.30	.100	300	N	N	<10	500	2.0
82SB063A	36 51 32	118 57 2	1.00	.20	.30	.100	150	N	N	<10	500	2.0
82SB064A	36 50 33	118 55 59	2.00	.50	.70	.200	300	N	N	10	500	2.0
82SB065A	36 50 25	118 56 12	1.00	.15	.20	.100	200	N	N	<10	300	3.0
82SB066A	36 50 15	118 56 28	5.00	1.50	3.00	.500	1,000	N	N	15	500	1.0
82SB068A	36 50 1	118 58 42	1.00	.20	1.00	.070	300	N	N	<10	1,000	1.5
82SB072A	36 51 4	118 59 47	.70	1.00	>20.00	.070	200	N	N	N	<20	N
82SB084C	36 49 32	118 58 55	5.00	1.50	20.00	.300	1,000	N	N	15	N	1.0
82SB085A	36 49 18	118 58 54	3.00	1.50	3.00	.500	500	N	N	<10	700	1.5
82SB086A	36 49 17	118 58 21	2.00	.20	.70	.200	300	N	N	<10	700	1.5
82SB088A	36 49 14	118 57 42	.70	.03	.20	.030	200	N	N	N	500	2.0
82SB095A	36 50 40	119 2 15	1.50	1.00	>20.00	.070	700	N	N	N	1,500	N
82SB095B	36 50 40	119 2 15	5.00	1.00	10.00	.500	1,000	N	N	20	50	1.5
82SB095C	36 50 40	119 2 15	5.00	1.50	1.00	.700	500	N	N	<10	1,000	1.5
82SB096A	36 50 43	119 2 38	5.00	1.50	5.00	.300	100	N	N	10	700	<1.0

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain, Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
82SB035A	N	N	7	N	N	30	N	<20	N	20	N	7	<10
82SB036A	N	N	5	N	N	20	N	N	N	15	N	5	N
82SB037A	N	N	5	N	N	70	N	N	N	10	N	5	N
82SB038A	N	N	7	N	N	30	N	N	N	15	N	7	N
82SB039A	N	N	5	N	N	30	N	N	N	20	N	5	N
82SB040A	N	N	5	N	N	50	N	N	N	15	N	7	N
82SB041A	N	N	5	N	N	50	N	N	N	15	N	5	N
82SB042A	N	N	5	<10	N	30	N	N	N	15	N	5	N
82SB043A	N	N	5	N	N	30	N	N	N	20	N	5	N
82SB044A	N	N	<5	N	<5	30	N	N	N	20	N	<5	N
82SB045A	N	N	<5	N	<5	50	N	N	N	15	N	5	N
82SB047A	N	N	10	15	<5	50	N	<5	<5	15	N	7	N
82SB047C	N	N	<5	N	N	<20	N	N	N	30	N	<5	N
82SB048A	N	N	5	<10	20	30	N	N	N	30	N	5	N
82SB048B	N	N	5	N	<5	30	N	N	N	15	N	<5	N
82SB049A	N	N	30	15	20	100	N	N	5	20	N	20	N
82SB049B	N	N	<5	N	<5	<20	N	N	<5	50	N	<5	N
82SB050A	N	N	50	30	15	20	N	N	10	<10	N	30	N
82SB051A	N	N	7	100	70	30	20	N	30	20	N	15	N
82SB052A	N	N	<5	N	N	70	N	N	N	10	N	<5	N
82SB053A	N	N	15	20	100	30	N	N	30	20	N	20	N
82SB054A	N	N	10	<10	5	30	N	N	N	10	N	10	N
82SB055A	N	N	20	30	20	<20	N	N	10	10	N	15	N
82SB056A	N	N	20	15	30	30	N	N	5	10	N	15	N
82SB057A	N	N	<5	15	<5	<20	N	N	N	N	N	N	N
82SB057B	N	N	10	150	20	70	N	N	30	15	N	15	N
82SB058A	N	N	10	<10	15	<20	N	N	<5	10	N	10	N
82SB059A	N	N	<5	N	5	50	N	N	N	15	N	N	N
82SB060A	N	N	20	10	15	<20	N	N	5	10	N	15	N
82SB061B	N	N	<5	<10	N	N	N	N	<5	<10	N	N	N
82SB062A	N	N	<5	N	N	100	N	N	N	15	N	<5	N
82SB063A	N	N	N	N	N	20	N	N	N	15	N	<5	N
82SB064A	N	N	N	N	N	30	N	N	N	20	N	5	N
82SB065A	N	N	N	N	N	70	N	N	N	15	N	<5	N
82SB066A	N	N	30	20	7	50	<5	N	7	15	N	20	N
82SB068A	N	N	N	N	N	20	N	N	<5	30	N	<5	N
82SB072A	N	N	N	50	<5	N	N	N	N	N	N	5	N
82SB084C	N	N	15	100	N	50	N	N	30	<10	200	10	30
82SB085A	N	N	15	15	N	50	N	N	5	15	N	10	N
82SB086A	N	N	<5	N	N	30	N	N	<5	20	N	7	N
82SB088A	N	N	<5	N	N	30	N	N	<5	20	N	5	N
82SB095A	N	N	5	20	N	<20	N	N	20	N	N	<5	N
82SB095B	N	N	20	50	15	50	N	N	20	<10	N	10	N
82SB095C	N	N	30	100	15	100	N	N	20	15	N	20	N
82SB096A	N	N	20	10	15	<20	N	N	<5	10	N	20	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-P-ppm aa	Au-I-ppm aa	Rock names
82SB035A	100	50	N	20	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82SB036A	150	30	N	15	N	70	N	--	--	Porphyritic biotite-quartz monzonite
82SB037A	200	30	N	20	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82SB038A	150	30	N	30	N	300	N	--	--	Porphyritic biotite-quartz monzonite
82SB039A	150	30	N	20	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82SB040A	200	30	N	20	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82SB041A	150	30	N	20	N	150	N	--	--	Porphyritic biotite-quartz monzonite
82SB042A	150	50	N	20	N	150	N	--	--	Porphyritic biotite-quartz monzonite
82SB043A	150	30	N	20	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82SB044A	150	30	N	15	N	100	N	--	--	Porphyritic biotite-quartz monzonite
82SB045A	200	30	N	20	N	100	N	--	--	Porphyritic biotite-quartz monzonite
82SB047A	200	50	N	20	N	70	N	--	--	Porphyritic biotite-quartz monzonite
82SB047C	<100	<10	N	10	N	15	N	--	--	Biotite-quartz monzonite
82SB048A	150	30	N	15	N	100	N	--	--	Biotite-hornblende-quartz monzonite
82SB048B	150	20	N	<10	N	50	N	--	--	Biotite-quartz monzonite
82SB049A	300	150	N	50	N	500	N	--	--	Biotite-hornblende-quartz diorite
82SB049B	N	<10	N	50	N	70	N	--	--	Garnet alaskite
82SB050A	500	200	N	20	N	150	N	--	--	Biotite-hornblende-quartz diorite
82SB051A	100	150	N	20	N	200	N	--	--	Quartz-biotite-white mica-cordierite schist
82SB052A	150	10	N	<10	N	150	N	--	--	Biotite-quartz diorite
82SB053A	150	150	N	20	N	100	N	--	--	Quartz-biotite schist
82SB054A	300	70	N	15	N	150	N	--	--	Biotite-hornblende-quartz diorite
82SB055A	200	150	N	20	N	100	N	--	--	Biotite-hornblende-quartz diorite
82SB056A	500	150	N	70	N	70	N	--	--	Hornblende-biotite diorite
82SB057A	700	20	N	10	N	N	N	--	--	Marble
82SB057B	100	100	N	50	N	150	N	--	--	Quartz-biotite-white mica-andalusite schist
82SB058A	300	150	N	20	N	30	N	--	--	Biotite-hornblende-quartz metadiorite
82SB059A	150	15	N	15	N	70	N	--	--	Aplite
82SB060A	500	150	N	30	N	70	N	--	--	Biotite-hornblende-quartz metadiorite
82SB061B	N	10	N	<10	N	N	N	--	--	Quartz vein
82SB062A	<100	15	N	20	N	150	N	--	--	Schistose porphyritic quartz monzonite
82SB063A	<100	10	N	15	N	70	N	--	--	Schistose porphyritic quartz monzonite
82SB064A	100	30	N	30	N	100	N	--	--	Biotite-quartz monzonite
82SB065A	<100	10	N	30	N	20	N	--	--	Biotite-quartz monzonite
82SB066A	300	150	N	30	N	200	N	--	--	Hornblende-biotite granodiorite
82SB068A	150	<10	N	70	N	70	N	--	--	Biotite-white mica-quartz monzonite
82SB072A	200	30	N	<10	N	10	N	--	--	Marble
82SB084C	200	70	N	30	200	100	N	N	--	Garnet-epidote-clinopyroxene skarn
82SB085A	300	100	N	30	N	200	N	--	--	Porphyritic biotite-hornblende granodiorite
82SB086A	<100	10	N	20	N	200	N	--	--	Biotite-quartz monzonite dike
82SB088A	N	N	N	70	N	100	N	--	--	Biotite-quartz monzonite
82SB095A	1,000	150	N	15	N	30	N	--	--	Actinolite-epidote-sillimanite schist
82SB095B	300	100	N	50	N	300	N	--	--	Quartz-clinozoisite-epidote-calcite schist
82SB095C	100	150	N	70	N	500	N	--	--	Plagioclase-biotite-quartz-andalusite schist
82SB096A	200	200	N	30	N	100	N	--	--	Biotite-hornblende-quartz metadiorite

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	B-ppm S	Ba-ppm S	Be-ppm S
82SN097A	36 51 14	119 0 32	.50	5.00	20.00	.020	200	N	N	N	N	N
82SN098A	36 51 2	119 1 20	5.00	1.00	2.00	.500	700	N	N	15	700	1.5
82ZN005A	36 53 9	119 2 31	5.00	1.00	.20	.700	300	N	N	20	700	3.0
82ZN006A	36 53 3	119 3 2	2.00	1.00	.30	.500	200	N	N	150	700	1.0
82ZN007A	36 53 12	119 1 38	.50	.02	.20	.020	70	N	N	N	1,500	1.0
82ZN007B	36 53 12	119 1 38	.70	.02	.50	.020	500	N	N	N	N	3.0
82ZN008A	36 54 5	119 2 13	3.00	.70	1.00	.300	300	N	N	N	500	1.0
82ZN009A	36 53 34	119 5 33	7.00	1.50	3.00	.500	1,000	N	N	10	300	1.5
82ZN009B	36 53 34	119 5 33	.50	.07	.70	.030	70	N	N	N	300	1.5
82ZN009C	36 53 34	119 5 33	.30	.02	.15	.005	150	N	N	10	<20	2.0
82ZN010A	36 52 40	119 3 50	5.00	3.00	3.00	.500	700	N	N	<10	2,000	1.5
82ZN011A	36 52 21	119 3 50	3.00	1.50	5.00	.300	1,000	N	N	N	300	<1.0
82ZN013B	36 53 4	119 5 47	1.00	.15	.70	.050	700	N	N	70	200	2.0
82ZN018A	36 52 33	119 2 54	2.00	1.00	.20	.500	200	N	N	200	1,000	1.0
82ZN019A	36 52 8	119 2 29	7.00	3.00	7.00	.500	2,000	N	N	<10	2,000	<1.0
82ZN020A	36 50 55	119 5 11	5.00	1.50	15.00	.300	1,500	N	N	10	70	1.5
82ZN020B	36 50 55	119 5 11	.20	1.50	>20.00	.030	50	N	N	N	N	N
82ZN022B	36 51 54	118 57 0	.10	2.00	>20.00	.020	50	N	N	N	N	N
82ZN022C	36 51 54	118 57 0	1.00	.30	20.00	.070	1,000	N	N	10	20	5.0
82ZN023A	36 51 31	118 55 52	5.00	1.50	3.00	.700	700	N	N	<10	500	1.0
82ZN024A	36 51 35	118 55 12	1.50	.20	.50	.070	150	N	N	N	300	2.0
82ZN025A	36 50 45	119 54 19	3.00	2.00	3.00	.500	700	N	N	<10	500	1.0
82ZN030B	36 55 10	118 48 45	10.00	10.00	5.00	.700	1,000	N	N	10	2,000	<1.0
82ZN032B	36 53 5	118 50 34	5.00	2.00	10.00	.300	1,000	N	N	N	300	1.0
82ZN032C	36 53 5	118 50 34	1.50	1.00	1.00	.300	100	N	N	20	100	<1.0
82ZN032D	36 53 5	118 50 34	7.00	1.50	5.00	.500	1,000	N	N	10	300	<1.0
82ZN033A	36 51 55	118 50 33	2.00	.50	.70	.200	700	N	N	N	700	2.0
82ZN040B	36 54 12	118 48 46	2.00	1.00	5.00	.500	500	1.0	N	30	1,500	1.5

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
82S8097A	N	N	N	<10	N	<20	N	N	N	N	N	N	N
82S8098A	N	N	15	15	10	30	5	N	<5	20	N	10	N
82Z8005A	N	N	20	100	50	70	N	<20	20	20	N	20	N
82Z8006A	N	N	5	50	20	30	N	N	10	N	N	15	N
82Z8007A	N	N	N	N	7	N	N	N	N	15	N	N	N
82Z8007B	N	N	N	N	5	N	N	N	N	30	N	<5	N
82Z8008A	N	N	10	N	5	30	N	N	N	15	N	5	N
82Z8009A	N	N	30	<10	10	20	N	N	N	10	N	30	N
82Z8009B	N	N	N	N	7	30	N	N	N	50	N	<5	N
82Z8009C	N	N	N	N	N	<20	N	N	N	50	N	N	N
82Z8010A	N	N	50	300	70	70	N	N	150	50	N	20	N
82Z8011A	N	N	10	N	20	<20	N	N	<5	<10	N	10	N
82Z8013B	N	N	<5	<10	10	20	N	<20	N	50	N	<5	N
82Z8018A	N	N	<5	20	15	20	N	N	N	N	N	7	N
82Z8019A	N	N	50	50	7	<20	N	N	20	15	N	50	N
82Z8020A	N	N	10	50	N	30	N	N	20	10	N	10	N
82Z8020B	N	N	N	N	N	N	N	N	N	N	N	N	N
82Z8022B	N	N	N	<10	50	N	N	N	N	N	N	N	N
82Z8022C	N	N	N	N	N	<20	N	N	<5	<10	N	<5	N
82Z8023A	N	N	15	10	10	20	N	N	5	10	N	10	N
82Z8024A	N	N	N	N	15	20	N	N	N	20	N	<5	N
82Z8025A	N	N	10	10	15	20	N	N	5	10	N	10	N
82Z8030B	N	N	70	1,000	70	50	N	N	500	20	N	30	N
82Z8032B	N	N	20	70	N	30	N	N	30	10	N	15	N
82Z8032C	N	N	7	20	15	30	50	<20	10	<10	N	7	N
82Z8032D	N	N	30	10	15	20	N	N	<5	<10	N	15	N
82Z8033A	N	N	7	<10	N	30	N	<20	N	20	N	7	N
82Z8040B	N	N	7	200	50	50	7	N	30	10	N	20	N

Table 5.--Data for rock samples, Kings River, Rancheria, Agnew, and Oat Mountain Roadless Areas, California--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AU-P-ppm aa	AU-T-ppm aa	Rock names
82SB097A	300	20	N	10	N	<10	N	--	--	Marble
82SB098A	200	100	N	50	N	200	N	--	--	Porphyritic biotite-quartz monzonite
82ZN005A	100	150	N	50	N	300	N	--	--	Quartz-biotite-white mica-cordierite schist
82ZN006A	100	100	N	30	N	150	N	--	--	Quartz-biotite-white mica schist
82ZN007A	<100	N	N	10	N	50	N	--	--	Biotite-quartz monzonite
82ZN007B	N	N	N	50	N	10	N	--	--	Garnet alaskite
82ZN008A	200	50	N	15	N	70	N	--	--	Porphyritic biotite-quartz monzonite
82ZN009A	300	200	N	70	N	20	N	--	--	Biotite-hornblende-quartz monzonite
82ZN009B	150	N	N	15	N	30	N	--	--	Biotite-quartz monzonite
82ZN009C	N	N	N	N	N	<10	N	--	--	Pegmatite
82ZN010A	2,000	150	N	20	N	150	N	--	--	Olivine-clinopyroxene basalt
82ZN011A	300	100	N	15	N	N	N	--	--	Hornblende-biotite-quartz metadiorite
82ZN013B	100	<10	N	50	N	50	N	--	--	Pegmatite
82ZN018A	<100	70	N	20	N	200	N	--	--	Quartz-biotite-white mica schist
82ZN019A	1,500	300	N	20	N	50	N	--	--	Biotite-hornblende-quartz diorite
82ZN020A	500	50	N	20	200	70	N	--	--	Quartz-calcite-epidote-garnet schist
82ZN020B	1,500	N	N	N	N	<10	N	--	--	Marble
82ZN022B	200	N	N	N	N	N	N	--	--	Marble
82ZN022C	200	N	N	30	N	30	N	--	--	Wollastonite-clinopyroxene-garnet skarn
82ZN023A	300	150	N	15	N	70	N	--	--	Biotite-hornblende-quartz diorite
82ZN024A	100	10	N	<10	N	20	N	--	--	Biotite-hornblende-quartz monzonite
82ZN025A	300	100	N	15	N	50	N	--	--	Biotite-hornblende-quartz monzonite
82ZN030B	1,500	200	N	20	N	200	N	--	--	Olivine-clinopyroxene basalt
82ZN032B	150	100	N	30	200	200	N	--	--	Quartz-plagioclase-clinopyroxene schist
82ZN032C	<100	50	N	30	N	700	N	--	--	Quartz-biotite schist
82ZN032D	300	150	N	30	N	150	N	--	--	Biotite-hornblende-quartz diorite
82ZN033A	200	30	N	20	N	200	N	--	--	Porphyritic biotite-hornblende-quartz diorite
82ZN040B	500	300	N	50	N	200	N	N	--	Metadiorite