UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CHEMICAL ANALYSES AND STATISTICAL SUMMARIES
FOR SAMPLES OF ROCK, MINUS-60-MESH (0.25-MM) STREAM SEDIMENT,
AND NONMAGNETIC HEAVY-MINERAL CONCENTRATE,
CARSON-ICEBERG AND LEAVITT LAKE ROADLESS AREAS,
ALPINE, MONO, AND TUOLUMNE COUNTIES, CALIFORNIA

by

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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 Carson-Iceberg and Leavitt Lake Roadless Areas in the Stanislaus and Toiyabe National Forests, Alpine, Mono, and Tuolumne Counties, California. The Carson-Iceberg Roadless Areas were classified partly as further planning (B-5986) and partly as recommended wilderness (C-4986 and C-5986) and the Leavitt Lake Roadless Area (4666) was classified as recommended wilderness during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

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INTRODUCTION

Geochemical sampling was conducted in the Carson-Iceberg and Leavitt Lake Roadless Areas, Alpine, Mono, and Tuolumne Counties, California, during the summers of 1978 and 1979. This report includes a map showing the locations of all sites sampled in this program (plate 1), a tabulation of the lower limits of determination used in the various analytical methods (table 1), a tabulation of chemical analyses for samples of rock, minus-60-mesh (0.25-mm) stream sediment, and nonmagnetic heavy-mineral concentrate from stream-sediment collected at each sample site (tables 2, 3, and 4, respectively), and summary statistics for the elements listed in tables 2-4 (tables 5-7). Tables 2-4 and 5-7 are based on data provided by computer programs in the U.S. Geological Survey RASS-STATPAC system (VanTrump and Miesch, 1977).

SAMPLE COLLECTION AND PREPARATION

A complete set of samples was collected at most sites shown on plate 1; a complete set consisted of a rock sample, a stream-sediment sample, and a bulk stream-sediment sample used for panning. Where two sites were sampled above a stream junction, only one rock sample would normally be taken to represent the area; consequently, the total number of rock samples collected is significantly less than the number of the other two sample types collected. Analyses for a total of 131 rock samples, 220 stream-sediment samples, and 221 nonmagnetic heavy-mineral-concentrate samples are listed in this report (tables 2-4). The number of samples analyzed for each medium yields an approximate sample density of 1 sample/1.5 mi² (1 sample/3.9 km²) for the rock samples and 1 sample/0.9 mi² (1 sample/2.3 km²) for the other two.

Most of the rock samples are of unaltered material. These samples provide information on chemical abundances in rocks that have not been affected by hydrothermal alteration or mineralization. In addition, some altered and(or) mineralized rocks were collected to characterize anomalous areas and to test for ore-related elements that might not be identified by a visual examination. Although each sample was selected to be representative of the rocks exposed in the vicinity of its plotted site point, the actual areal extent of influence of the chemical information provided by a specific sample is not known; the sampling program was designed only to provide some general information of the geochemical nature of the rock units present.

The sediment samples provide information about the chemical elements present in rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins that contain unusually high concentrations of elements that may be related to mineral deposits.

Concentrate samples were processed from the same active alluvium used to make minus-60-mesh (0.25-mm) stream-sediment samples. The concentrate samples provide information about the chemistry of a limited number of minerals present in rock material eroded from the drainage basin upstream from each sample site. Removing most of the quartz, feldspars, clay minerals, and highly magnetic minerals concentrates a number of other minerals that are commonly associated with mineral deposits. The selective concentration of ore-related minerals permits determination of some elements that are not easily detected in stream-sediment samples. The analytical composition of a concentrate may also indicate specific minerals. For example, the barium content in a stream-sediment sample is predominantly the sum of barium in the mineral barite plus barium substituted in feldspars, clay minerals, and

possibly other minerals, whereas the barium in a concentrate sample is essentially all in barite.

Rock samples

All rock samples were collected from outcrops that were considered to be representative of exposures in the vicinity of the plotted site location. Whenever possible the samples were hand cobbled to remove any obviously weathered material. All samples were crushed and pulverized to minus-100 mesh (0.149 mm) before analysis.

Minus-60-mesh (0.25-mm) stream-sediment samples

The material for the stream-sediment samples was collected primarily from first-order (unbranched) and second-order (below the junction of two first-order) streams as shown on 1:62,500-scale topographic maps. Each sample was composited from active alluvium collected from several locations within an area that may extend as much as 50 ft (15 m) from the site plotted on the map. The resulting sample was air dried and that portion passing a screen with 0.25-mm openings (a 60-mesh screen) was saved and pulverized before analysis.

Nonmagnetic heavy-mineral-concentrate samples

The bulk sample of active stream-sediment material was collected and composited in a manner similar to that used for the minus-60-mesh stream-sediment samples. Each bulk sample was passed through a 10-mesh (2.0-mm) screen to remove the coarsest material. The sediment passing through the screen was wet-panned until most of the quartz, feldspar, organic material, and clay-sized material was removed. The sample was air dried and passed through a 18-mesh (1.0-mm) sieve; the minus-18-mesh material was saved. Any light material remaining in the concentrate was then removed by allowing the heavier fraction of the sample to settle through bromoform (specific gravity 2.86). The highly magnetic material was next removed with a hand magnet from the heavy-mineral fraction. The remaining heavy-mineral material was then separated into a magnetic and a nonmagnetic fraction using a Frantz Isodynamic Separator set at 0.6 amperes, with a 15° forward setting and a 15° side setting. The resulting nonmagnetic sample was split into two equal fractions. One fraction was ground in an agate mortar prior to analysis and the other fraction was saved for future mineralogical study.

CHEMICAL ANALYSIS

All three types of samples were analyzed for 31 elements (Ag, As, Au, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, La, Mg, Mn, Mo, Nb, Ni, Pb, Sb, Sc, Sn, Sr, Th, Ti, V, W, Y, Zn, and Zr) using a six-step semiquantitative emission spectrographic method (Grimes and Marranzino, 1968). Because of the limited amount of sample material, the nonmagnetic heavy-mineral concentrates were only analyzed spectrographically. The rock and stream-sediment samples were also analyzed for As using a colorimetric method (Ward and others, 1963) and for Zn, Sb, Cd, and Bi by atomic absorption spectrometry (Ward and others, 1969; Welsch and Chao, 1975; Viets, 1978). Those rock and stream-sediment samples with Ag detected by the emission spectrographic method were also analyzed by atomic absorption spectrometry for Au (Meier, 1980). Analysis for

all three sample types was done partly in the field and partly in U.S. Geological Survey laboratories near Golden, Colorado.

The spectrographic analytical values are reported as the approximate geometric midpoints (0.15, 0.2, 0.3, 0.5, 0.7, and 1.0 or appropriate powers of ten of these values) of concentration ranges whose respective boundaries are 0.12, 0.18, 0.26, 0.38, 0.56, 0.83, and 1.2 (or appropriate powers of ten of these values). In general, the precision of the spectrographic method is plus or minus one reporting value of the value given by the analyst approximately 83 percent of the time and plus or minus two reporting values of the value given by the analyst 96 percent of the time (Motooka and Grimes, 1976). Because all of the samples for this report were analyzed by the same analyst using the same spectrographic instrument, our experience indicates that better precision can be expected.

Each spectrographic film includes analytical spectra for up to 22 field samples and one reference standard sample. The reference standard sample is included with each set of field samples to monitor the quality of the analyses from film to film; the analyses for those reference samples have been omitted from tables 2-4.

For the six elements analyzed by colorimetric or atomic absorption methods the reporting values vary with the element and with the concentration level for any given element. Precision for these analytical methods is commonly reported as a percent relative standard deviation (% RSD), and is based on replicate analyses of samples selected to provide information at different concentration levels. In general, the precision for each method tends to be lowest for those samples containing a given element at or near its lower limit of determination. For the six elements discussed here, the reported ranges of percent relative standard deviation, as determined by replicate analysis of limited sample sets, are as follows:

<u>Element</u>	<u>Range of % RSD</u>	<u>Source of data</u>
As	0.0-48.9	Unpublished analyses by R. H. Hill, 1981
Zn	3.4-30.2	Ward and others, 1969, p. 21
Sb	3.7-10.7	Welsch and Chao, 1975
Cd	3.3-18.8	Viets, 1978
Bi	1.4- 4.0	Viets, 1978
Au	0.0-22.8	Meier, 1980

As an example to use in interpreting these ranges one might consider antimony, whose range is shown as 3.7-10.7% RSD. This range indicates that a reported antimony value listed in table 2 or 3 should be within $\pm 10.7\%$ (usually much less) of the mean value for that sample. The mean value would be determined by repeating the analysis of that sample five or more times. As was the case for the spectrographic analyses, a reference standard sample was analyzed with each batch of field samples to monitor the quality of the analyses.

DESCRIPTION OF TABLES 1-4

Table 1 lists the lower limits of analytical determination for the three types of samples collected for this report. Because of matrix interference problems, the spectrographic technique was modified for the analysis of non-magnetic heavy-mineral-concentrate samples. As a result, the lower limits of determination for the elements analyzed for this type of sample are all raised two reporting values above the normal lower-limit value.

Tables 2-4 list the chemical analyses for the samples of rock, minus-60-mesh (0.25-mm) stream sediment, and nonmagnetic heavy-mineral concentrate, respectively. For the three sample sets the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers coincide with the numbers on the site location map (plate 1). In tables 2-4, rock samples are suffixed by RK, stream-sediment samples by SS, and concentrate samples by KN. Columns 2 and 3 list the latitudes (north) and longitudes (west) for the sample sites in degrees, minutes, and seconds. Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses. Columns in which the element headings show the letters "aa" below the element symbol are atomic absorption analyses. The last column of analyses in tables 2 and 3 contains colorimetric determinations ("cm") for arsenic. All element concentrations are given in parts per million (ppm), except those for Fe, Mg, Ca, and Ti, which are given in percent (pct).

If a given element was looked for but not detected in a sample, then the letter "N" is entered in the tables in place of an analytical value. 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.

Table 1.--Lower limits of analytical determination for samples of rock, minus-60-mesh (0.25-mm) stream sediment, and nonmagnetic heavy-mineral concentrate, Carson-Iceberg and Leavitt Lake Roadless Areas, California

[(--) indicates not analyzed. "aa" following the element symbol indicates atomic absorption analysis; "cm" indicates colorimetric analysis; no suffix indicates spectrographic analysis. The values listed for Fe, Mg, Ca, and Ti are in percent; all others are in parts per million]

Element	Lower limit of determination	
	Rock and stream sediment	Heavy-mineral concentrate
Fe	0.05	0.1
Mg	0.02	0.05
Ca	0.05	0.1
Ti	0.002	0.005
Mn	10	20
Ag	0.5	1.0
As	200	500
Au	10	20
B	10	20
Ba	20	50
Be	1	2
Bi	10	20
Cd	20	50
Co	5	10
Cr	10	20
Cu	5	10
La	20	50
Mo	5	10
Nb	20	50
Ni	5	10
Pb	10	20
Sb	100	200
Sc	5	10
Sn	10	20
Sr	100	200
V	10	20
W	50	100
Y	10	20
Zn	200	500
Zr	10	20
Th	200	500
Zn-aa	5	--
Cd-aa	0.05	--
Bi-aa	0.5	--
Sb-aa	1.0	--
Au-aa	0.005	--
As-cm	10	--

If an element was not looked for in a sample, then two dashes (--) are entered in tables 2-4 in place of an analytical value. Because of the formatting used in the computer program that produced tables 2-4, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant zeroes to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeroes. The last column in table 2 gives the formation name for each rock sample. These names are taken from the units shown on the geologic map of the Carson-Iceberg and Leavitt Lake Roadless Areas (Keith and others, 1982).

For the semiquantitative spectrographic method used, the elements As, Bi, Cd, Sb, and Zn have lower limits of analytical determination that are usually above normal concentrations for these elements in natural materials. As a result, these elements were run by other, more sensitive methods on the rock and stream-sediment samples, and the spectrographic analyses for these five elements have been deleted from the rock and stream-sediment data sets (tables 2 and 3). The elements Au, Sn, and Th were not detected by emission spectroscopy in any of the rock samples and Au was not detected by atomic absorption spectrometry in any of those rock samples selected to be analyzed for Au; consequently, these elements were deleted from table 2. The spectrographic determinations of Au and Sn were deleted from the stream-sediment data set (table 3) and Cd and Zn have been deleted from the concentrate data set (table 4) for the same reason.

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm ppm	Ag-ppm ppm	B-ppm ppm	Be-ppm ppm	Co-ppm ppm
C1001RK	38 27 15	120 0 10	3.0	.70	1.50	.50	700	N	<10	1,000	10
C1003RK	38 32 13	119 53 25	.5	.10	1.00	.10	150	N	N	500	N
C1005RK	38 31 30	119 51 45	2.0	.50	1.50	.30	700	N	<10	1,000	10
C1007RK	38 30 7	119 47 17	5.0	1.50	5.00	.70	2,000	N	10	1,000	30
C1009RK	38 32 32	119 46 55	1.5	.20	1.50	.20	300	N	<10	1,000	5
C1010RK	38 32 30	119 47 5	1.5	.20	1.50	.20	500	N	<10	1,000	<5
C1011RK	38 33 50	119 47 15	5.0	.70	5.00	.50	1,000	N	10	1,000	20
C1015RK	38 31 8	119 44 30	3.0	1.00	3.00	.50	1,500	N	15	2,000	15
C1016RK	38 32 42	119 42 0	2.0	.50	1.00	.30	500	N	<10	1,000	5
C1018RK	38 34 29	119 41 53	2.0	.50	1.00	.50	1,000	N	<10	300	5
C1019RK	38 34 25	119 41 43	2.0	.50	1.50	.50	700	N	<10	1,500	7
C1021RK	38 33 20	119 36 4	3.0	1.50	5.00	.30	700	N	10	500	20
C1022RK	38 32 44	119 37 41	.5	.20	.50	.10	300	N	N	3,000	N
C1023RK	38 35 2	119 38 59	3.0	1.00	2.00	.50	1,000	N	10	3,000	10
C1024RK	38 31 23	119 38 56	1.0	.30	.70	.20	700	N	N	2,000	5
C1025RK	38 30 34	119 38 40	.3	.07	.50	.10	100	N	N	5,000	<5
C1026RK	38 30 14	119 41 2	1.0	.20	1.50	.15	500	N	<10	1,000	<5
C1028RK	38 29 15	119 42 19	1.0	.20	1.00	.20	200	N	10	700	N
C1029RK	38 27 28	119 43 0	3.0	.20	.70	.50	150	N	15	500	20
C1030RK	38 27 37	119 41 18	.5	.10	.50	.15	500	N	10	2,000	N
C1032RK	38 26 4	119 40 13	.5	.10	.50	.10	150	N	<10	700	N
C1033RK	38 25 2	119 36 6	.7	.20	.70	.15	500	N	N	700	N
C1035RK	38 26 6	119 36 4	.5	.10	.70	.10	500	N	N	1,500	N
C1037RK	38 25 39	119 35 2	.7	.15	.70	.20	500	N	N	1,500	<5
C1038RK	38 28 11	119 35 5	.3	.10	.10	.10	500	1.5	N	1,500	N
C1039RK	38 29 27	119 34 7	.7	.15	.50	.10	1,000	N	N	1,000	<5
C1041RK	38 23 34	119 41 27	1.0	.20	1.50	.30	200	N	N	1,000	N
C1042RK	38 23 34	119 41 50	2.0	.20	2.00	.15	500	N	15	2,000	5
C1044RK	38 21 51	119 40 33	3.0	.30	2.00	.50	500	N	<10	3,000	5
C1046RK	38 20 46	119 43 37	.2	.10	.50	.05	70	N	<10	150	<5
C1047RK	38 20 43	119 43 31	2.0	.10	.50	.50	100	N	20	300	10
C1048RK	38 20 36	119 43 30	3.0	.50	2.00	.20	500	N	10	700	7
C1049RK	38 21 57	119 44 46	5.0	2.00	5.00	.50	1,000	N	15	1,500	30
C1050RK	38 27 23	119 48 0	.7	.10	.70	.20	100	N	N	300	<5
C1051RK	38 27 23	119 47 48	1.0	.30	1.50	.20	500	N	N	700	5
C1052RK	38 28 24	119 47 17	10.0	2.00	5.00	.50	2,000	N	10	1,000	70
C1053RK	38 28 17	119 47 15	.5	.10	1.00	.07	100	N	<10	1,500	<5
C1054RK	38 26 26	119 51 26	3.0	1.00	2.00	.50	2,000	N	10	1,500	10
C1057RK	38 20 56	119 57 7	1.5	.50	2.00	.30	500	N	10	150	10
C1059RK	38 22 2	119 57 56	3.0	2.00	10.00	.70	1,000	N	10	1,000	15
C1061RK	38 23 17	119 56 12	1.5	1.00	5.00	.30	500	N	10	500	5
C1063RK	38 22 13	119 56 27	3.0	2.00	3.00	.30	500	N	10	700	20
C1066RK	38 26 57	119 53 26	2.0	1.00	2.00	.30	300	N	<10	300	10
C1068RK	38 26 14	119 53 27	1.5	.50	5.00	.20	200	N	N	500	7
C1070RK	38 28 26	119 51 13	3.0	.50	1.00	.30	200	N	<10	200	15

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s
CI001RK	20	7	50	N	N	5	30	7	500	100	N	10	70
CI003RK	<10	<5	<20	N	N	N	50	N	200	100	N	N	10
CI005RK	10	7	50	<5	N	5	50	5	500	100	N	<10	50
CI007RK	700	20	30	N	N	70	30	30	1,000	200	N	20	100
CI009RK	10	5	50	N	N	<5	50	<5	700	70	N	N	100
CI010RK	<10	7	30	N	N	<5	50	5	700	70	N	N	50
CI011RK	30	10	50	N	N	30	50	15	1,000	200	N	30	100
CI015RK	50	20	70	<5	N	20	50	10	1,000	150	N	20	100
CI016RK	<10	5	50	N	N	<5	50	<5	700	70	N	<10	70
CI018RK	<10	<5	100	N	N	<5	50	5	500	100	N	10	100
CI019RK	N	<5	100	N	N	5	50	5	700	100	N	10	70
CI021RK	<10	10	20	N	N	5	20	15	500	100	N	15	70
CI022RK	N	<5	20	N	N	<5	100	N	500	30	N	N	20
CI023RK	50	15	70	N	N	20	70	7	1,000	100	N	20	150
CI024RK	N	<5	50	N	N	N	50	5	500	50	N	N	70
CI025RK	N	N	<20	N	N	<5	100	N	700	10	N	N	20
CI026RK	N	5	50	N	N	N	50	<5	700	30	N	<10	50
CI028RK	N	<5	50	N	N	<5	50	5	500	30	N	<10	70
CI029RK	<10	70	70	5	N	20	30	10	300	100	N	15	200
CI030RK	<10	<5	20	N	N	<5	70	<5	500	20	N	N	70
CI032RK	N	<5	20	N	N	<5	70	N	300	20	N	<10	50
CI033RK	N	N	20	N	N	N	50	<5	500	50	N	N	50
CI035RK	N	<5	50	N	N	<5	70	N	500	30	N	<10	70
CI037RK	<10	<5	50	N	N	N	50	<5	500	30	N	10	70
CI038RK	N	50	30	N	N	<5	70	N	500	20	<50	N	50
CI039RK	10	<5	30	N	N	<5	70	<5	200	20	N	10	70
CI041RK	N	<5	30	N	N	<5	50	<5	700	30	N	N	50
CI042RK	<10	<5	20	N	N	5	50	<5	1,000	50	N	<10	30
CI044RK	N	7	50	N	N	<5	70	<5	1,000	50	N	10	30
CI046RK	N	<5	50	N	N	5	50	N	200	<10	N	N	30
CI047RK	<10	30	70	N	N	5	20	7	200	100	N	15	150
CI048RK	N	<5	30	N	N	<5	50	<5	1,000	50	N	10	50
CI049RK	50	50	50	N	N	50	30	20	1,000	200	N	20	100
CI050RK	N	<5	<20	N	N	5	20	<5	300	20	N	N	10
CI051RK	10	<5	30	N	N	<5	50	<5	700	70	N	<10	50
CI052RK	300	50	50	N	N	200	20	30	700	200	N	30	150
CI053RK	<10	<5	30	N	N	<5	70	<5	500	20	N	10	20
CI054RK	20	<5	50	N	N	5	70	5	1,000	70	N	10	100
CI057RK	<10	<5	50	N	N	<5	30	10	200	50	N	15	50
CI059RK	20	7	50	<5	N	5	30	15	1,500	150	N	15	70
CI061RK	10	10	50	7	N	<5	50	7	700	100	N	10	20
CI063RK	10	7	20	5	N	7	50	7	700	70	N	N	20
CI066RK	<10	7	20	N	N	5	30	5	500	50	N	<10	50
CI068RK	<10	<5	20	N	N	5	50	<5	1,000	50	N	N	N
CI070RK	<10	10	30	<5	N	5	20	7	300	70	N	<10	30

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	As-ppm cm	Formation Name
CI001RK	60	N	N	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI003RK	15	N	N	2	N	STANISLAUS MEADOW ADAMELLITE
CI005RK	45	<.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI007RK	50	.25	N	2	N	RELIEF PEAK FORMATION
CI009RK	25	N	N	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI010RK	40	<.05	N	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI011RK	50	<.05	N	2	N	RELIEF PEAK FORMATION
CI015RK	35	<.05	N	5	N	RELIEF PEAK FORMATION
CI016RK	50	N	N	1	N	GRANODIORITE OF TOPAZ LAKE
CI018RK	70	<.05	N	2	N	GRANODIORITE OF TOPAZ LAKE
CI019RK	40	N	N	2	N	GRANODIORITE OF TOPAZ LAKE
CI021RK	50	.10	<.5	1	N	RELIEF PEAK FORMATION
CI022RK	20	.25	.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI023RK	20	.25	N	1	N	RELIEF PEAK FORMATION
CI024RK	55	.25	<.5	<1	<10	GRANODIORITE OF TOPAZ LAKE
CI025RK	15	.25	<.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI026RK	70	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI028RK	45	N	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI029RK	70	.05	<.5	2	20	STANISLAUS GROUP, UNDIVIDED
CI030RK	50	.25	<.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI032RK	40	<.05	<.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI033RK	60	.25	.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI035RK	30	.25	N	1	N	GRANODIORITE OF TOPAZ LAKE
CI037RK	50	.25	<.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI038RK	35	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI039RK	20	.25	.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI041RK	55	.5	.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI042RK	65	.25	.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI044RK	55	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI046RK	10	<.05	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI047RK	20	.05	<.5	2	10	STANISLAUS GROUP, UNDIVIDED
CI048RK	55	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI049RK	45	.25	<.5	1	N	RELIEF PEAK FORMATION
CI050RK	20	<.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI051RK	55	.25	.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI052RK	65	.30	<.5	<1	N	RELIEF PEAK FORMATION
CI053RK	10	.25	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI054RK	210	.50	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI057RK	70	.05	N	<1	N	GRANODIORITE OF MILL CREEK
CI059RK	70	<.05	.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI061RK	35	.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI063RK	70	<.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI066RK	65	<.05	.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI068RK	60	<.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI070RK	85	<.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s	Co-ppm s
CI071RK	38 28 58	119 49 50	1.5	.50	1.00	.30	300	N	<10	200	1.0	10
CI073RK	38 28 33	119 49 42	1.5	.50	1.00	.30	200	N	<10	300	<1.0	10
CI074RK	38 27 54	119 50 30	2.0	.50	2.00	.30	500	N	<10	300	<1.0	7
CI075RK	38 29 53	119 46 43	.7	.20	.70	.10	100	<.5	10	500	<1.0	<5
CI077RK	38 32 1	119 40 6	1.0	.10	.30	.10	150	N	N	200	1.0	5
CI100RK	38 24 32	119 47 23	2.0	.70	2.00	.30	700	N	N	1,500	1.0	10
CI103RK	38 19 32	119 42 0	1.5	.30	1.00	.20	500	N	10	2,000	1.0	5
CI106RK	38 19 25	119 41 0	2.0	.50	2.00	.30	500	N	N	1,000	1.0	10
CI108RK	38 19 38	119 37 46	3.0	1.00	3.00	.50	1,000	N	<10	500	1.0	15
CI109RK	38 18 35	119 37 15	5.0	1.50	7.00	.70	150	N	10	200	<1.0	30
CI112RK	38 17 5	119 36 45	3.0	2.00	3.00	.50	1,000	N	10	300	<1.0	30
CI113RK	38 32 25	119 39 32	.7	.10	.50	.10	100	N	<10	300	1.5	<5
CI117RK	38 34 14	119 36 44	3.0	2.00	3.00	.30	1,500	N	10	1,500	<1.0	30
CI118RK	38 29 39	119 39 6	5.0	3.00	7.00	.70	700	N	15	500	<1.0	50
CI119RK	38 29 15	119 41 9	1.0	.20	1.00	.20	700	N	<10	1,000	1.5	<5
CI120RK	38 28 17	119 40 25	.7	.10	.50	.15	150	N	10	300	1.0	N
CI121RK	38 25 33	119 39 39	.5	.10	.50	.10	700	N	<10	2,000	1.5	N
CI122RK	38 24 13	119 39 12	1.0	.20	1.00	.20	700	N	<10	700	1.5	N
CI124RK	38 23 14	119 38 32	1.6	.20	1.00	.20	500	N	N	2,000	<1.0	5
CI125RK	38 24 39	119 39 57	1.5	.20	.70	.15	200	N	<10	500	1.0	<5
CI126RK	38 26 28	119 37 11	.7	.10	.70	.20	300	N	N	1,500	1.0	N
CI132RK	38 29 36	119 44 34	3.0	1.50	2.00	.50	700	N	20	1,500	<1.0	15
CI133RK	38 29 59	119 44 28	7.0	2.00	5.00	.50	2,000	N	10	1,500	<1.0	50
CI134RK	38 25 38	119 42 12	1.5	.50	1.50	.20	700	N	<10	1,000	1.0	<5
CI136RK	38 22 40	119 41 40	2.0	.30	1.00	.30	300	N	<10	500	1.0	7
CI138RK	38 22 16	119 41 12	1.0	.50	1.50	.30	700	N	<10	2,000	1.0	<5
CI140RK	38 27 5	119 45 53	1.5	.20	.50	.10	200	N	<10	500	<1.0	5
CI141RK	38 26 13	119 45 3	1.5	.70	1.50	.20	1,000	N	<10	2,000	1.0	5
CI142RK	38 25 21	119 48 57	2.0	.70	1.50	.30	700	N	10	1,500	1.0	7
CI143RK	38 25 27	119 49 12	1.0	.20	2.00	.15	500	N	<10	1,000	1.0	5
CI146RK	38 25 49	119 48 34	2.0	.30	.70	.30	200	N	N	200	<1.0	10
CI148RK	38 26 3	119 52 35	2.0	.70	1.50	.20	500	N	<10	1,000	<1.0	5
CI149RK	38 22 10	119 54 44	2.0	1.00	2.00	.30	500	N	10	500	<1.0	10
CI151RK	38 24 42	119 56 20	1.0	.50	2.00	.20	300	N	10	300	1.0	10
CI153RK	38 25 38	119 56 58	2.0	.30	.50	.15	150	N	N	150	<1.0	10
CI155RK	38 26 49	119 56 37	2.0	.50	.70	.30	200	N	N	200	<1.0	20
CI157RK	38 28 11	119 56 42	1.5	.70	3.00	.30	500	N	10	300	1.0	10
CI159RK	38 29 20	119 56 4	2.0	.70	1.50	.50	300	N	10	300	<1.0	10
CI161RK	38 29 23	119 55 12	1.0	.30	1.00	.15	200	N	10	300	<1.0	10
CI163RK	38 29 42	119 53 31	1.5	.70	2.00	.30	500	N	<10	500	1.0	10
CI164RK	38 36 10	119 43 58	3.0	1.50	5.00	.50	700	N	10	700	1.0	15
HV9091RK	38 18 31	119 35 27	1.0	.50	1.00	.30	500	N	10	700	1.0	5
HV9186RK	38 17 42	119 36 4	.5	.20	.30	.10	300	N	70	500	2.0	N
HV9187RK	38 16 57	119 36 23	2.0	.70	1.00	.50	500	N	<10	1,000	<1.0	10
WL0464RK	38 32 58	119 36 38	5.0	1.50	5.00	.70	1,000	N	10	2,000	2.0	20

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s
CI071RK	<10	10	30	<5	N	5	20	5	300	100	N	<10	50
CI073RK	<10	5	30	<5	N	<5	30	5	300	70	N	N	20
CI074RK	<10	5	20	N	N	<5	50	5	500	70	N	N	50
CI075RK	N	10	20	N	N	<5	50	N	300	30	N	N	15
CI077RK	N	<5	<20	N	N	5	20	N	200	15	N	N	50
CI100RK	<10	7	50	<5	N	<5	50	5	1,000	70	N	10	30
CI103RK	<10	5	30	N	N	<5	50	<5	1,000	100	N	<10	50
CI106RK	<10	5	50	<5	N	<5	30	5	700	70	N	15	70
CI108RK	50	20	50	N	N	20	20	7	2,000	100	N	15	150
CI109RK	30	20	30	5	N	10	15	20	500	200	N	20	70
CI112RK	50	10	30	N	N	7	20	20	500	150	N	15	100
CI113RK	N	<5	N	N	N	<5	50	N	300	20	N	N	30
CI117RK	300	30	30	N	N	150	20	15	1,000	150	N	15	100
CI118RK	200	30	30	N	N	100	30	20	1,000	150	N	15	100
CI119RK	<10	<5	50	N	N	<5	50	<5	500	30	N	<10	50
CI120RK	N	<5	30	N	N	<5	50	<5	200	20	N	N	50
CI121RK	<10	<5	30	N	N	<5	100	N	300	20	N	<10	70
CI122RK	N	<5	30	N	N	N	50	<5	700	50	N	10	70
CI124RK	N	<5	50	N	N	<5	50	N	700	50	N	<10	70
CI125RK	N	5	20	N	N	5	50	<5	500	20	N	<10	50
CI126RK	N	<5	20	N	N	<5	50	<5	500	30	N	N	70
CI132RK	50	20	50	N	N	30	30	10	1,000	100	N	15	150
CI133RK	500	50	50	N	N	150	10	30	700	200	N	20	100
CI134RK	N	<5	50	N	N	N	50	5	500	50	N	<10	70
CI136RK	N	<5	50	N	N	5	30	5	500	50	N	<10	50
CI138RK	N	5	50	N	N	<5	50	<5	700	50	N	10	70
CI140RK	N	7	30	N	N	<5	20	<5	300	50	N	N	10
CI141RK	<10	7	50	N	N	N	50	5	700	50	N	10	100
CI142RK	10	5	30	N	N	N	50	5	500	100	N	<10	150
CI143RK	<10	5	30	N	N	<5	70	<5	700	50	N	<10	20
CI146RK	N	30	20	N	N	<5	30	5	300	50	N	N	50
CI148RK	10	7	30	N	N	<5	50	5	500	100	N	10	70
CI149RK	10	10	50	N	N	<5	50	7	300	100	N	<10	70
CI151RK	<10	7	30	N	N	<5	30	5	300	50	N	<10	50
CI153RK	N	5	N	N	N	5	15	<5	100	30	N	N	N
CI155RK	10	7	<20	N	N	7	20	7	200	70	N	10	50
CI157RK	10	5	50	<5	N	<5	50	7	500	70	N	10	70
CI159RK	15	5	30	N	N	7	15	7	200	100	N	20	100
CI161RK	10	<5	20	N	N	5	20	10	200	70	N	10	30
CI163RK	20	10	30	N	N	5	20	5	700	70	N	10	100
CI164RK	20	20	70	N	N	10	30	15	1,000	150	N	20	100
HV9091RK	N	<5	30	N	N	<5	30	5	500	100	N	10	70
HV9186RK	N	<5	50	N	<20	5	20	5	300	30	N	15	100
HV9187RK	50	10	50	N	N	15	20	10	1,000	150	N	15	150
WL0464RK	10	20	70	N	<20	<5	30	10	1,000	200	N	30	500

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	As-ppm cm	Formation Name
CI071RK	70	.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI073RK	75	.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI074RK	65	.10	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI075RK	30	<.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI077RK	60	<.05	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI100RK	50	.25	N	1	N	GRANODIORITE OF TOPAZ LAKE
CI103RK	55	.20	N	1	N	GRANODIORITE OF TOPAZ LAKE
CI106RK	60	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI108RK	85	.30	.5	1	N	RELIEF PEAK FORMATION
CI109RK	85	.20	<.5	<1	N	RELIEF PEAK FORMATION
CI112RK	75	.10	<.5	<1	<10	RELIEF PEAK FORMATION
CI113RK	30	<.05	.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI117RK	40	.25	.5	1	N	RELIEF PEAK FORMATION
CI118RK	40	.05	<.5	1	N	RELIEF PEAK FORMATION
CI119RK	55	.25	<.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI120RK	35	.05	.5	2	N	GRANODIORITE OF TOPAZ LAKE
CI121RK	50	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI122RK	40	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI124RK	65	.25	N	1	N	GRANODIORITE OF TOPAZ LAKE
CI125RK	70	<.05	.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI126RK	40	.25	N	1	N	GRANODIORITE OF TOPAZ LAKE
CI132RK	55	.10	<.5	<1	N	RELIEF PEAK FORMATION
CI133RK	50	.30	.5	1	10	RELIEF PEAK FORMATION
CI134RK	60	.25	<.5	<1	N	GRANODIORITE OF TOPAZ LAKE
CI136RK	60	<.05	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI138RK	55	.30	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI140RK	65	.5	N	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI141RK	65	.25	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
CI142RK	60	.25	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI143RK	55	.25	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI146RK	55	.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI148RK	65	.25	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI149RK	70	.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI151RK	50	<.05	<.5	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI153RK	65	.10	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI155RK	70	<.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI157RK	45	<.05	N	<1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
CI159RK	60	.05	<.5	<1	N	LOOKOUT PEAK TONALITE
CI161RK	50	<.05	.5	<1	N	LOOKOUT PEAK TONALITE
CI163RK	40	.05	<.5	<1	N	RELIEF PEAK FORMATION
CI164RK	40	.10	<.5	<1	N	RELIEF PEAK FORMATION
HV9091RK	55	.25	<.5	2	N	GRANODIORITE OF TOPAZ LAKE
HV9186RK	5	.30	<.5	1	<10	RELIEF PEAK FORMATION
HV9187RK	20	.30	<.5	1	N	RELIEF PEAK FORMATION
WLO464RK	25	<.05	N	2	N	RELIEF PEAK FORMATION

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s	Co-ppm s
WL0466RK	38 29 8	119 56 38	3.0	1.00	2.00	.50	700	N	50	1,000	3.0	10
WL0468RK	38 26 31	119 59 8	5.0	1.50	3.00	.70	1,000	N	20	1,500	1.0	10
WL0469RK	38 27 4	119 59 27	3.0	1.00	3.00	.50	500	N	15	1,000	2.0	10
WL0470RK	38 24 32	119 57 59	5.0	1.50	3.00	.70	1,000	N	10	1,500	1.0	10
WL0472RK	38 24 15	119 57 31	.2	.10	.10	.05	100	N	N	150	1.5	N
WL0473RK	38 26 44	119 51 25	3.0	1.50	3.00	.50	1,000	N	20	1,500	3.0	15
WL0475RK	38 25 53	119 52 33	3.0	.50	3.00	.50	500	N	<10	1,000	2.0	15
WL0476RK	38 26 18	119 53 48	1.5	.70	3.00	.20	300	N	10	1,500	2.0	7
WL0477RK	38 21 10	119 56 25	3.0	1.50	2.00	.50	700	N	20	1,000	2.0	15
WL0490RK	38 25 28	119 48 41	2.0	1.00	2.00	.50	700	N	N	1,000	2.0	10
WL0491RK	38 24 27	119 41 51	2.0	.70	2.00	.70	700	N	15	1,000	1.5	5
WL0518RK	38 21 45	119 54 8	2.0	1.00	2.00	.15	700	N	20	1,000	<1.0	10
WL0521RK	38 22 57	119 49 45	1.0	.50	1.50	.20	700	N	N	1,000	1.5	7
WL0524RK	38 25 8	119 45 2	1.0	.50	1.50	.20	300	N	N	300	2.0	5
WL0527RK	38 20 36	119 47 15	1.0	.70	2.00	.50	500	N	<10	300	1.5	7
WL0528RK	38 20 22	119 46 37	1.0	.50	1.50	.30	500	N	N	300	1.0	5
WL0531RK	38 19 5	119 39 43	3.0	2.00	3.00	.50	1,000	N	10	1,000	<1.0	20
WL0556RK	38 26 51	119 40 11	1.5	.50	1.50	.50	500	N	<10	1,500	1.5	5
WL0558RK	38 28 19	119 40 38	1.0	.30	.70	.15	500	N	N	500	1.5	5
WL0559RK	38 29 52	119 41 5	.7	.30	1.00	.20	500	N	N	700	1.5	<5
WL0560RK	38 30 37	119 39 5	1.0	.10	.50	.10	300	N	N	700	2.0	N
WL0561RK	38 32 18	119 39 24	.2	.02	.20	.02	100	N	N	<20	3.0	N
WL0563RK	38 31 57	119 35 37	5.0	1.50	5.00	>1.00	1,500	N	20	700	<1.0	20
WL0572RK	38 26 42	119 35 37	.5	.20	.70	.15	200	N	N	1,000	1.5	N
WL0574RK	38 29 23	119 36 27	1.0	.50	1.50	.30	700	N	10	2,000	1.5	N
WL0576RK	38 29 38	119 35 49	1.0	.50	1.00	.20	700	N	N	150	1.5	5
WL0578RK	38 31 5	119 43 45	3.0	.70	1.50	.50	700	N	20	700	1.0	10
WL0580RK	38 31 36	119 43 6	1.5	.50	1.50	.70	500	N	10	500	1.0	7
WL0582RK	38 36 59	119 41 41	10.0	2.00	3.00	.70	1,500	<.5	20	2,000	1.0	20
WL0583RK	38 36 22	119 40 43	2.0	2.00	1.00	.50	700	N	<10	700	1.0	15
WL0598RK	38 31 20	119 48 47	2.0	.70	1.50	.20	500	<.5	<10	700	1.0	7
WL0600RK	38 32 48	119 46 55	.3	<.02	<.05	.50	N	N	N	700	<1.0	N
WL0601RK	38 32 48	119 47 3	1.0	.02	.10	.20	300	N	<10	100	1.0	<5
WL0611RK	38 28 56	119 59 12	1.5	.50	1.50	.30	500	N	15	700	1.0	5
WL0614RK	38 32 22	119 52 40	1.5	.20	1.50	.20	500	N	N	1,500	1.0	5
WL0616RK	38 34 50	119 48 5	1.5	.70	.70	.50	700	N	<10	700	1.0	7
WL0618RK	38 34 59	119 47 3	1.5	1.00	1.50	.30	700	N	<10	500	<1.0	10
WL0619RK	38 35 2	119 46 55	.2	.02	.10	.03	30	N	N	70	<1.0	N
WL0625RK	38 37 5	119 44 22	3.0	2.00	2.00	.50	1,000	N	30	700	1.0	20
WL0750RK	38 37 0	119 42 42	2.0	2.00	2.00	.50	700	N	10	700	<1.0	15
WL0751RK	38 35 48	119 41 32	1.5	2.00	2.00	.50	1,000	N	20	1,000	<1.0	15

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s
WL0466RK	15	7	50	N	<20	5	30	10	300	150	N	50	500
WL0468RK	20	10	50	N	N	10	70	10	1,000	150	N	20	20
WL0469RK	10	7	30	N	<20	<5	30	7	500	200	N	15	150
WL0470RK	20	10	50	N	N	10	70	10	1,000	150	N	20	50
WL0472RK	10	N	N	N	N	N	100	N	100	<10	N	<10	70
WL0473RK	50	10	50	5	<20	30	30	10	1,000	150	N	20	300
WL0475RK	10	10	50	N	<20	5	30	7	700	200	N	10	100
WL0476RK	<10	5	30	N	N	7	30	5	700	70	N	10	100
WL0477RK	15	10	30	N	<20	7	30	10	500	150	N	15	100
WL0490RK	10	<5	50	N	<20	<5	30	5	700	100	N	10	200
WL0491RK	<10	<5	50	N	N	N	30	7	1,000	150	N	20	70
WL0518RK	10	10	50	N	N	5	50	10	700	150	N	20	50
WL0521RK	N	5	30	N	N	5	50	5	700	100	N	<10	70
WL0524RK	N	<5	30	N	N	<5	20	5	700	100	N	<10	70
WL0527RK	N	5	30	N	N	<5	20	5	700	150	N	10	70
WL0528RK	N	5	50	N	<20	<5	30	7	700	100	N	10	100
WL0531RK	100	20	70	N	<20	50	30	20	700	200	N	20	100
WL0556RK	<10	<5	20	N	N	<5	70	5	1,000	100	N	10	100
WL0558RK	N	<5	20	N	N	<5	30	5	500	100	N	N	50
WL0559RK	N	N	20	N	N	<5	30	<5	700	50	N	<10	70
WL0560RK	N	<5	50	N	N	<5	50	5	500	50	N	10	70
WL0561RK	N	N	<20	N	N	<5	30	5	100	20	N	N	70
WL0563RK	<10	20	30	N	N	15	50	30	1,000	300	N	50	150
WL0572RK	N	<5	50	N	<20	<5	50	5	500	50	N	10	100
WL0574RK	N	N	50	N	N	<5	70	5	1,000	100	N	15	70
WL0576RK	N	N	50	N	N	<5	20	5	1,000	100	N	10	50
WL0578RK	15	5	20	N	N	5	20	7	500	150	N	<10	100
WL0580RK	10	5	50	N	N	5	20	10	1,000	100	N	10	70
WL0582RK	20	20	50	N	N	10	50	15	1,000	200	N	30	100
WL0583RK	50	15	20	N	N	50	20	15	700	150	N	10	100
WL0598RK	<10	7	20	N	N	5	50	5	700	200	N	<10	100
WL0600RK	<10	N	20	<5	N	<5	30	<5	150	200	N	<10	100
WL0601RK	N	5	30	<5	<20	N	20	<5	N	70	N	10	200
WL0611RK	<10	5	50	N	N	5	30	7	700	100	N	10	100
WL0614RK	N	7	30	N	N	<5	20	5	500	100	N	15	70
WL0616RK	<10	5	20	N	N	5	50	5	500	150	N	10	100
WL0618RK	15	<5	50	N	N	10	30	10	500	200	N	15	100
WL0619RK	N	N	20	N	N	<5	70	<5	N	20	N	N	70
WL0625RK	20	50	50	N	N	20	30	15	1,000	200	N	20	150
WL0750RK	15	10	30	N	N	<5	20	20	500	300	N	20	150
WL0751RK	70	30	30	N	N	30	30	15	700	200	N	15	150

Table 2.--Data for rock samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	As-ppm cm	Formation Name
WL0466RK	50	.10	<.5	2	N	EBBETTS PASS GRANODIORITE
WL0468RK	55	<.05	<.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0469RK	45	.10	<.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0470RK	55	N	<.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0472RK	5	.10	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0473RK	60	.10	.5	2	N	RELIEF P K FORMATION
WL0475RK	65	.10	1.0	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0476RK	30	.10	<.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0477RK	65	.05	N	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0490RK	50	<.05	<.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0491RK	40	N	N	2	N	GRANODIORITE OF TOPAZ LAKE
WL0518RK	65	<.05	<.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0521RK	55	.10	1.0	<1	10	GRANODIORITE OF TOPAZ LAKE
WL0524RK	60	.10	<.5	1	N	GRANODIORITE OF TOPAZ LAKE
WL0527RK	50	<.05	<.5	2	N	GRANODIORITE OF TOPAZ LAKE
WL0528RK	25	N	.5	2	N	GRANODIORITE OF TOPAZ LAKE
WL0531RK	30	.05	<.5	2	N	RELIEF PEAK FORMATION
WL0556RK	55	N	.5	1	N	GRANODIORITE OF TOPAZ LAKE
WL0558RK	75	<.05	N	2	N	GRANODIORITE OF TOPAZ LAKE
WL0559RK	45	<.05	N	2	N	GRANODIORITE OF TOPAZ LAKE
WL0560RK	10	<.05	.5	2	N	GRANODIORITE OF TOPAZ LAKE
WL0561RK	10	.10	<.5	2	10	GRANODIORITE OF TOPAZ LAKE
WL0563RK	30	.20	N	2	20	METAMORPHIC ROCKS, UNDIVIDED
WL0572RK	75	<.05	1.0	2	N	GRANODIORITE OF TOPAZ LAKE
WL0574RK	50	N	N	2	N	GRANODIORITE OF TOPAZ LAKE
WL0576RK	80	<.05	N	2	N	GRANODIORITE OF TOPAZ LAKE
WL0578RK	55	<.5	N	2	N	GRANODIORITE OF TOPAZ LAKE
WL0580RK	50	<.05	1.0	2	N	GRANODIORITE OF TOPAZ LAKE
WL0582RK	30	N	.5	2	N	RELIEF PEAK FORMATION
WL0583RK	70	.10	N	2	<10	RELIEF PEAK FORMATION
WL0598RK	55	.05	<.5	1	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0600RK	15	<.05	.5	5	120	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0601RK	30	<.05	<.5	4	<10	RELIEF PEAK FORMATION
WL0611RK	40	.05	N	2	N	GRANODIORITE OF LAKE ALPINE
WL0614RK	40	.10	N	1	N	STANISLAUS MEADOW ADAMELLITE
WL0616RK	70	.10	1.0	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0618RK	55	<.05	.5	2	N	GRANODIORITE OF NIAGARA CREEK-KINNEY LAKES
WL0619RK	N	N	<.5	2	N	ALASKITE OF SILVER CREEK
WL0625RK	35	.10	N	2	N	RELIEF PEAK FORMATION
WL0750RK	25	N	N	2	N	RELIEF PEAK FORMATION
WL0751RK	75	.05	<.5	1	<10	RELIEF PEAK FORMATION

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
C1001SS	38 27 15	120 0 10	10.0	1.50	3.0	.70	2,000	N	10	500	<1.0
C1002SS	38 30 38	119 53 55	5.0	1.00	2.0	.50	1,000	N	<10	700	1.0
C1003SS	38 32 13	119 53 25	15.0	.10	.7	.20	300	N	<10	500	<1.0
C1004SS	38 31 35	119 51 38	10.0	.20	1.5	.50	500	N	10	500	1.0
C1005SS	38 31 30	119 51 45	7.0	.20	1.0	.20	500	N	<10	500	1.5
C1007SS	38 30 7	119 47 17	5.0	.70	.5	.50	1,500	N	15	1,000	<1.0
C1008SS	38 32 22	119 49 45	5.0	.70	2.0	.50	1,000	N	15	1,000	<1.0
C1009SS	38 32 32	119 46 55	2.0	.70	2.0	.30	1,000	N	15	1,500	1.0
C1010SS	38 32 30	119 47 5	5.0	1.00	3.0	.50	1,000	N	10	1,000	<1.0
C1011SS	38 33 50	119 47 15	3.0	.70	3.0	.50	1,000	N	10	1,000	1.0
C1012SS	38 35 17	119 45 3	3.0	.50	2.0	.50	700	N	15	1,500	1.0
C1013SS	38 36 45	119 45 5	5.0	1.00	2.0	.70	1,000	N	10	1,500	<1.0
C1014SS	38 31 22	119 44 28	3.0	1.50	3.0	.50	1,000	N	10	1,500	<1.0
C1015SS	38 31 8	119 44 30	3.0	1.00	3.0	.50	700	N	15	1,000	1.0
C1016SS	38 32 42	119 42 0	5.0	.70	3.0	.50	1,000	N	<10	700	1.0
C1017SS	38 33 39	119 43 42	5.0	1.00	2.0	.50	1,000	N	15	1,500	1.0
C1018SS	38 34 29	119 41 53	10.0	.50	2.0	.70	1,000	N	10	500	1.0
C1019SS	38 34 25	119 41 43	.0	1.00	3.0	.50	1,000	N	10	1,000	<1.0
C1020SS	38 35 42	119 39 55	5.0	.70	2.0	.50	500	N	<10	500	1.0
C1021SS	38 33 20	119 36 4	3.0	2.00	7.0	.70	700	N	10	500	<1.0
C1022SS	38 32 44	119 37 41	1.0	.50	1.0	.30	500	N	10	150	1.5
C1023SS	38 35 2	119 38 59	1.5	1.00	5.0	.30	500	N	10	500	1.0
C1024SS	38 31 23	119 38 56	1.0	.30	1.0	.20	700	N	15	150	2.0
C1025SS	38 30 34	119 38 40	1.0	1.00	3.0	.30	500	N	10	200	1.5
C1026SS	38 30 14	119 41 2	2.0	2.00	5.0	.50	700	N	10	300	1.0
C1027SS	38 29 21	119 42 21	3.0	1.00	1.0	.30	500	N	10	200	1.0
C1028SS	38 29 15	119 42 19	2.0	2.00	7.0	.70	700	N	15	500	1.0
C1029SS	38 27 28	119 43 0	10.0	1.00	1.0	.50	700	N	10	300	<1.0
C1030SS	38 27 37	119 41 18	2.0	.20	.7	.20	300	N	<10	150	1.0
C1031SS	38 27 42	119 41 23	2.0	1.00	1.0	.50	500	N	15	200	1.0
C1032SS	38 26 4	119 40 13	1.0	.20	.5	.15	200	N	N	100	1.0
C1033SS	38 25 2	119 36 6	3.0	2.00	1.0	.50	500	N	<10	200	1.0
C1034SS	38 25 3	119 36 17	3.0	.70	2.0	.50	500	N	10	300	1.0
C1035SS	38 26 6	119 36 4	1.5	.50	.7	.30	300	N	<10	150	1.0
C1036SS	38 26 2	119 35 58	2.0	2.00	5.0	.70	500	N	10	300	1.0
C1037SS	38 25 39	119 35 2	1.5	1.00	2.0	.50	500	N	10	300	1.0
C1038SS	38 28 11	119 35 5	.3	.20	.5	.20	150	N	N	150	1.0
C1039SS	38 29 27	119 34 7	1.5	.20	.5	.20	200	N	<10	150	1.0
C1040SS	38 29 22	119 34 2	1.0	.30	.7	.20	700	N	15	200	1.5
C1041SS	38 23 34	119 41 27	3.0	.30	.7	.30	700	N	10	200	1.0
C1042SS	38 23 34	119 41 50	3.0	.70	.5	.30	300	N	15	300	1.0
C1043SS	38 23 20	119 41 49	2.0	.70	3.0	.50	500	N	15	300	1.0
C1044SS	38 21 51	119 40 33	3.0	1.00	1.5	.70	500	N	10	300	1.5
C1045SS	38 21 39	119 40 35	3.0	.50	.7	.50	500	N	10	200	1.0
C1046SS	38 20 46	119 43 37	10.0	.50	1.5	.70	700	N	10	200	<1.0

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
C1001SS	20	150	20	50	N	<20	50	30	50	500	500
C1002SS	15	50	10	100	5	<20	15	50	20	700	150
C1003SS	5	20	30	30	15	<20	N	50	5	300	300
C1004SS	7	20	20	70	<5	N	N	50	5	500	300
C1005SS	5	30	10	50	N	N	N	70	<5	500	200
C1007SS	15	50	20	50	N	N	20	100	10	500	200
C1008SS	15	70	20	50	<5	N	20	50	10	1,000	200
C1009SS	10	100	5	50	N	N	20	70	10	1,000	150
C1010SS	20	150	30	50	N	N	50	50	20	1,000	200
C1011SS	20	100	20	50	<5	N	30	50	15	1,000	150
C1012SS	7	50	5	70	N	N	10	70	7	1,000	150
C1013SS	20	100	20	100	N	<20	50	30	20	1,000	300
C1014SS	20	150	5	100	N	N	30	50	20	1,000	150
C1015SS	15	200	10	50	N	N	50	50	20	700	200
C1016SS	10	70	15	50	N	N	20	50	10	1,500	200
C1017SS	20	70	10	50	N	N	30	50	5	1,000	200
C1018SS	20	70	30	70	N	N	20	30	15	1,000	500
C1019SS	20	200	15	70	N	N	50	50	15	1,500	200
C1020SS	7	100	7	50	N	N	20	50	15	1,000	150
C1021SS	30	70	20	30	<5	N	20	30	20	700	150
C1022SS	7	15	5	50	N	N	7	30	7	500	30
C1023SS	10	50	10	50	N	N	10	50	10	500	100
C1024SS	5	10	5	50	N	N	5	30	5	500	30
C1025SS	10	70	7	30	N	N	20	30	10	500	70
C1026SS	20	100	20	50	N	N	50	30	15	500	100
C1027SS	30	150	15	30	N	N	30	20	10	500	100
C1028SS	30	70	20	50	N	N	30	50	15	700	150
C1029SS	30	150	20	50	N	N	50	20	10	500	200
C1030SS	7	<10	5	50	N	N	5	20	5	300	70
C1031SS	20	100	15	30	<5	N	50	30	15	300	100
C1032SS	5	10	<5	30	N	N	7	20	<5	200	30
C1033SS	30	150	50	20	N	N	100	20	15	500	100
C1034SS	20	70	30	50	N	N	30	30	15	500	150
C1035SS	15	70	15	50	N	N	20	20	10	300	50
C1036SS	20	200	20	50	<5	N	70	50	20	500	150
C1037SS	15	70	15	30	N	N	20	30	15	500	100
C1038SS	N	15	<5	<20	N	N	7	20	5	200	20
C1039SS	5	15	5	20	7	N	7	10	5	200	30
C1040SS	7	10	7	50	7	N	5	30	5	200	50
C1041SS	30	70	20	30	N	N	50	20	7	500	100
C1042SS	30	100	20	50	N	N	50	20	15	300	70
C1043SS	20	70	30	50	N	N	30	30	10	500	100
C1044SS	20	100	30	50	<5	N	50	20	10	500	100
C1045SS	20	50	20	30	N	N	20	20	10	500	100
C1046SS	20	70	30	70	N	N	7	20	15	300	300

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	W-ppm ' S	Y-ppm S	Zr-ppm S	Th-ppm S	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Au-ppm aa	As-ppm cm
C1001SS	N	50	200	N	30	.05	<.5	<1	--	N
C1002SS	N	30	100	N	30	<.05	N	1	--	N
C1003SS	<50	20	150	N	25	.05	<.5	2	--	N
C1004SS	N	30	200	N	30	<.05	.5	3	--	N
C1005SS	N	30	100	N	25	<.05	<.5	2	--	N
C1007SS	N	10	300	N	100	.30	N	3	--	N
C1008SS	N	15	100	N	60	.15	<.5	2	--	N
C1009SS	N	10	100	N	35	<.05	N	1	--	N
C1010SS	N	20	100	N	60	.20	N	2	--	N
C1011SS	N	15	100	N	40	.15	N	1	--	N
C1012SS	N	15	100	N	40	.15	N	2	--	N
C1013SS	N	20	150	N	50	.10	N	2	--	N
C1014SS	N	20	100	N	10	N	<.5	1	--	N
C1015SS	N	20	200	N	30	<.05	<.5	2	--	N
C1016SS	N	20	100	N	40	<.05	<.5	2	--	N
C1017SS	N	15	150	N	35	<.05	N	<1	--	N
C1018SS	N	30	500	N	60	<.05	<.5	5	--	N
C1019SS	N	15	100	N	30	N	N	2	--	N
C1020SS	N	30	200	N	40	N	N	2	--	N
C1021SS	N	20	150	N	70	.25	.5	1	--	N
C1022SS	N	15	70	N	70	.25	.5	<1	--	10
C1023SS	N	10	70	N	65	.30	<.5	1	--	N
C1024SS	N	10	100	N	110	.25	<.5	<1	--	100
C1025SS	N	30	100	<200	35	.25	<.5	1	--	40
C1026SS	N	15	200	N	40	.30	<.5	1	--	N
C1027SS	N	10	100	N	65	.30	<.5	1	--	N
C1028SS	N	20	200	N	50	.30	N	1	--	N
C1029SS	N	15	200	<200	65	.30	.5	1	--	N
C1030SS	N	20	100	<200	70	.25	1.0	<1	--	<10
C1031SS	N	10	150	N	65	.30	.5	1	--	N
C1032SS	N	<10	50	N	65	.25	.5	1	--	N
C1033SS	N	10	100	N	75	.25	<.5	1	--	N
C1034SS	N	20	100	N	90	.35	.5	1	--	10
C1035SS	N	10	100	N	45	.25	<.5	1	--	N
C1036SS	N	15	200	N	50	.30	.5	1	--	N
C1037SS	N	15	150	N	40	.30	<.5	1	--	N
C1038SS	N	<10	30	N	15	.25	.5	<1	--	N
C1039SS	N	10	30	N	30	.30	.5	1	--	N
C1040SS	N	15	150	N	4	.25	2.0	<1	--	10
C1041SS	N	10	150	N	70	.30	.5	1	--	10
C1042SS	N	10	150	N	65	.25	N	1	--	<10
C1043SS	N	15	200	N	65	.35	<.5	1	--	<10
C1044SS	N	20	150	N	70	.35	1.0	1	--	<10
C1045SS	N	10	150	N	55	.30	.5	2	--	<10
C1046SS	N	20	200	N	60	.30	.5	1	--	N

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
C1047SS	38 20 43	119 43 31	3.0	.50	.5	.50	500	N	10	150	<1.0
C1048SS	38 20 36	119 43 30	5.0	1.50	3.0	.70	1,000	N	15	500	1.0
C1049SS	38 21 57	119 44 46	3.0	1.50	5.0	.70	700	N	15	500	1.0
C1050SS	38 27 23	119 48 0	3.0	.70	1.0	.30	300	N	10	150	<1.0
C1051SS	38 27 23	119 47 48	2.0	1.00	.7	.30	200	N	<10	150	<1.0
C1052SS	38 28 24	119 47 17	3.0	.50	.7	.50	300	N	10	150	<1.0
C1053SS	38 28 17	119 47 15	3.0	3.00	5.0	.70	1,000	N	10	300	<1.0
C1054SS	38 26 26	119 51 26	2.0	.30	.5	.20	150	N	<10	200	<1.0
C1055SS	38 26 50	119 51 10	1.5	.50	.5	.20	200	.5	10	150	<1.0
C1056SS	38 26 54	119 51 17	3.0	1.00	3.0	.50	700	N	15	200	1.0
C1057SS	38 20 56	119 57 7	2.0	1.00	1.0	.30	300	N	N	200	<1.0
C1058SS	38 20 44	119 57 7	1.5	.70	2.0	.30	700	N	<10	150	1.5
C1059SS	38 22 2	119 57 56	5.0	1.50	5.0	.70	700	N	10	300	<1.0
C1060SS	38 22 14	119 57 46	1.0	.50	2.0	.50	500	N	10	200	1.0
C1061SS	38 23 17	119 56 12	2.0	1.50	5.0	.50	500	N	<10	300	1.0
C1062SS	38 23 15	119 56 5	3.0	3.00	5.0	.50	1,000	N	10	300	1.0
C1063SS	38 22 13	119 56 27	2.0	2.00	3.0	.50	500	N	<10	200	1.0
C1064SS	38 22 7	119 56 46	2.0	.70	1.5	.50	300	N	10	200	1.0
C1065SS	38 26 56	119 53 55	2.0	.30	2.0	.30	300	N	<10	150	1.0
C1066SS	38 26 57	119 53 26	3.0	1.00	3.0	.70	500	N	<10	200	<1.0
C1067SS	38 26 5	119 53 32	10.0	.50	2.0	.70	200	N	<10	200	<1.0
C1068SS	38 26 14	119 53 27	3.0	.70	1.5	.50	500	N	<10	200	<1.0
C1069SS	38 28 25	119 51 8	3.0	.70	3.0	.50	500	N	<10	200	1.0
C1070SS	38 28 26	119 51 13	3.0	1.00	5.0	.50	500	N	<10	500	<1.0
C1071SS	38 28 58	119 49 50	2.0	.70	2.0	.30	500	N	<10	200	1.0
C1072SS	38 28 52	119 49 42	3.0	.70	1.0	.50	500	N	10	300	1.0
C1073SS	38 28 33	119 49 42	3.0	.50	3.0	.70	500	N	10	300	1.0
C1074SS	38 27 54	119 50 30	2.0	.50	.5	.30	500	N	10	200	1.0
C1075SS	38 29 53	119 46 43	2.0	1.00	1.5	.50	500	N	10	300	1.0
C1076SS	38 29 54	119 46 33	2.0	1.50	5.0	.50	500	N	10	500	1.0
C1077SS	38 32 1	119 40 6	3.0	.30	3.0	.30	500	N	10	200	1.5
C1078SS	38 32 0	119 40 0	2.0	.70	2.0	.30	500	N	<10	200	1.0
C1100SS	38 24 32	119 47 23	5.0	.50	1.5	.50	700	N	<10	300	1.0
C1101SS	38 23 16	119 49 13	7.0	.70	1.5	.70	1,000	N	10	300	1.0
C1102SS	38 22 13	119 51 27	5.0	1.00	1.5	.50	1,000	N	<10	500	<1.0
C1103SS	38 19 32	119 42 0	10.0	1.00	1.5	1.00	1,000	N	15	1,000	1.0
C1104SS	38 19 32	119 41 14	3.0	.70	1.5	.70	1,000	N	10	500	1.0
C1105SS	38 19 32	119 41 0	20.0	.50	1.0	.70	300	N	10	500	1.0
C1106SS	38 19 25	119 41 0	10.0	1.00	1.5	.70	1,000	N	10	1,000	<1.0
C1107SS	38 20 13	119 39 8	5.0	1.00	1.5	.70	1,000	N	10	700	1.0
C1108SS	38 19 38	119 37 46	5.0	1.00	1.5	.70	1,500	N	10	1,500	1.0
C1109SS	38 18 35	119 37 15	5.0	1.00	2.0	.70	1,000	N	15	1,000	1.0
C1110SS	38 18 29	119 37 15	5.0	1.00	1.5	.70	1,000	N	20	1,000	1.0
C1111SS	38 18 50	119 36 26	7.0	1.00	2.0	1.00	1,000	N	10	1,500	<1.0
C1112SS	38 17 5	119 36 45	7.0	1.00	1.5	.70	1,000	N	20	1,000	1.0

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
C1047SS	20	70	20	30	N	N	20	30	10	200	150
C1048SS	20	150	50	50	N	N	50	50	20	700	150
C1049SS	30	150	30	70	N	N	20	30	20	500	200
C1050SS	20	50	15	20	N	N	20	15	15	300	150
C1051SS	30	200	15	<20	N	N	100	15	10	300	70
C1052SS	20	20	15	20	N	N	20	20	10	300	150
C1053SS	30	300	20	50	N	N	100	30	30	500	100
C1054SS	20	15	10	20	N	N	15	15	5	300	70
C1055SS	10	20	20	N	5	N	10	20	5	200	70
C1056SS	20	50	20	50	N	N	15	30	15	500	150
C1057SS	20	50	10	20	N	N	20	10	15	300	70
C1058SS	10	10	7	50	N	N	5	20	10	200	70
C1059SS	30	100	30	50	N	N	50	30	30	500	200
C1060SS	10	10	7	70	<5	<20	7	30	10	500	70
C1061SS	30	100	20	50	N	N	50	30	30	300	100
C1062SS	30	150	20	30	N	N	100	20	30	300	100
C1063SS	30	100	20	30	N	N	70	10	30	200	100
C1064SS	10	20	15	70	<5	N	15	30	10	300	70
C1065SS	10	<10	10	30	N	N	5	20	7	300	70
C1066SS	15	30	15	50	<5	N	15	20	20	500	150
C1067SS	30	50	30	50	N	N	10	20	15	300	300
C1068SS	10	10	20	50	<5	N	5	30	15	300	150
C1069SS	15	20	10	100	N	N	10	30	10	500	150
C1070SS	20	20	10	30	N	N	15	30	15	500	150
C1071SS	15	30	10	30	N	N	10	20	10	500	100
C1072SS	20	20	15	30	N	N	15	30	15	300	150
C1073SS	20	20	15	30	N	N	15	20	15	500	150
C1074SS	10	15	10	20	N	N	10	30	5	200	100
C1075SS	15	15	15	30	N	N	10	30	10	500	100
C1076SS	30	100	20	50	N	N	50	30	20	700	100
C1077SS	10	50	10	50	N	N	20	30	10	500	100
C1078SS	10	10	10	50	N	N	10	30	7	500	70
C1100SS	7	10	5	50	N	N	<5	30	5	700	150
C1101SS	10	20	10	70	<5	<20	<5	50	7	700	200
C1102SS	10	30	20	50	<5	N	5	30	7	700	150
C1103SS	20	200	70	50	N	N	50	50	10	1,000	300
C1104SS	7	30	15	100	10	<20	<5	50	7	1,000	150
C1105SS	15	500	30	50	N	N	7	20	7	500	500
C1106SS	20	100	30	50	N	N	30	30	15	1,000	300
C1107SS	15	70	20	70	<5	N	20	50	7	1,000	150
C1108SS	20	200	50	50	N	N	50	50	10	1,000	200
C1109SS	20	300	70	70	N	N	70	50	10	1,000	150
C1110SS	30	200	100	70	N	N	100	50	15	1,000	200
C1111SS	20	200	30	30	N	N	30	30	15	1,500	200
C1112SS	20	100	50	50	N	N	50	50	15	700	200

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	W-ppm 's	Y-ppm s	Zr-ppm s	Th-ppm s	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Au-ppm aa	As-ppm cm
C1047SS	N	10	150	N	70	.35	<.5	3	--	N
C1048SS	N	20	150	N	70	.30	<.5	3	--	<10
C1049SS	N	20	150	N	80	.30	.5	1	--	N
C1050SS	N	10	70	N	80	.40	.5	1	--	N
C1051SS	N	10	50	N	75	.30	.5	1	--	20
C1052SS	N	10	70	N	85	.45	<.5	1	--	N
C1053SS	N	20	100	N	60	.25	<.5	<1	--	N
C1054SS	N	N	70	N	60	.30	<.5	1	--	N
C1055SS	N	<10	100	N	95	.55	.5	1	<.005	N
C1056SS	N	20	150	<200	85	.15	<.5	1	--	N
C1057SS	N	10	100	N	45	.25	<.5	1	--	N
C1058SS	N	30	100	N	50	.10	1.0	<1	--	N
C1059SS	N	20	100	N	30	<.05	<.5	<1	--	<10
C1060SS	N	20	70	N	35	.10	1.0	<1	--	N
C1061SS	N	20	150	<200	55	<.05	1.0	<1	--	N
C1062SS	N	20	100	N	60	.10	.5	<1	--	N
C1063SS	N	20	100	N	65	.05	1.0	<1	--	N
C1064SS	N	20	100	N	30	.10	<.5	<1	--	<10
C1065SS	N	10	150	N	30	.10	1.0	<1	--	N
C1066SS	N	15	200	N	25	<.05	<.5	<1	--	N
C1067SS	N	20	500	N	30	.10	1.0	<1	--	N
C1068SS	N	15	150	N	40	.10	<.5	<1	--	N
C1069SS	N	10	70	N	30	.05	<.5	<1	--	N
C1070SS	N	15	100	N	30	<.05	.5	<1	--	N
C1071SS	N	10	100	N	35	.10	<.5	<1	--	N
C1072SS	N	10	100	N	65	.20	<.5	<1	--	<10
C1073SS	N	15	100	N	65	.15	1.0	<1	--	<10
C1074SS	N	<10	70	N	70	.20	1.0	<1	--	<10
C1075SS	N	10	70	N	60	.10	1.0	<1	--	<10
C1076SS	N	15	150	N	35	<.05	<.5	<1	--	N
C1077SS	N	15	100	N	40	<.05	<.5	<1	--	10
C1078SS	N	10	100	N	50	<.05	<.5	<1	--	<10
C1100SS	N	15	100	N	50	.10	<.5	1	--	N
C1101SS	N	20	100	N	50	.10	<.5	2	--	N
C1102SS	N	20	100	N	60	.10	N	2	--	N
C1103SS	N	20	200	N	60	.15	<.5	2	--	N
C1104SS	N	50	150	N	60	.10	<.5	2	--	10
C1105SS	N	20	300	N	45	.15	<.5	10	--	<10
C1106SS	N	20	150	N	5	.10	N	2	--	N
C1107SS	N	15	150	N	75	.10	<.5	<1	--	N
C1108SS	N	20	150	N	70	.15	N	2	--	N
C1109SS	N	20	150	N	50	.15	N	2	--	N
C1110SS	N	15	150	N	75	.15	N	4	--	N
C1111SS	N	20	100	N	45	.15	<.5	2	--	N
C1112SS	N	20	150	N	75	.20	2.0	2	--	<10

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake 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	B-ppm s	Ba-ppm s	Be-ppm s
CI113SS	38 32 25	119 39 32	3.0	.50	1.5	.50	700	N	<10	500	1.5
CI114SS	38 32 20	119 39 35	5.0	.50	1.5	.50	700	N	10	500	1.0
CI115SS	38 33 26	119 38 0	7.0	.50	1.0	.50	1,000	N	15	300	1.0
CI116SS	38 33 31	119 37 43	5.0	.50	1.5	.50	700	N	<10	500	1.0
CI117SS	38 34 14	119 36 44	10.0	1.00	1.5	1.00	1,500	N	10	1,000	<1.0
CI118SS	38 29 39	119 39 6	2.0	.70	2.0	.30	500	N	<10	200	1.5
CI119SS	38 29 15	119 41 9	1.0	.30	2.0	.30	500	N	10	200	1.5
CI120SS	38 28 17	119 40 25	7.0	1.00	2.0	.50	500	N	<10	300	1.0
CI121SS	38 25 33	119 39 39	1.0	.15	.5	.10	300	N	N	100	2.0
CI122SS	38 24 13	119 39 12	3.0	.50	3.0	.30	500	N	<10	200	2.0
CI123SS	38 24 4	119 39 18	2.0	.50	1.0	.50	300	N	15	300	1.0
CI124SS	38 23 14	119 38 32	2.0	1.00	2.0	.50	500	N	10	200	<1.0
CI125SS	38 24 39	119 39 57	2.0	.50	.7	.20	500	N	10	200	1.0
CI126SS	38 26 28	119 37 11	1.0	.30	.5	.20	500	N	N	200	1.5
CI127SS	38 26 21	119 37 10	2.0	.20	.7	.20	700	N	N	150	2.0
CI128SS	38 27 55	119 36 40	3.0	.20	.7	.30	700	N	<10	200	1.5
CI129SS	38 28 19	119 36 53	1.5	.15	.5	.20	500	N	N	100	1.0
CI130SS	38 28 26	119 37 14	1.0	.30	1.0	.30	500	N	10	300	1.5
CI131SS	38 29 36	119 44 21	2.0	1.00	5.0	.70	500	N	20	700	1.5
CI132SS	38 29 36	119 44 34	3.0	3.00	5.0	.70	700	N	<10	300	<1.0
CI133SS	38 29 59	119 44 28	2.0	2.00	3.0	.70	500	N	15	500	1.0
CI134SS	38 25 38	119 42 12	3.0	.70	3.0	.50	500	N	<10	300	1.5
CI135SS	38 25 36	119 42 3	3.0	.50	1.5	.20	300	N	<10	150	1.0
CI136SS	38 22 40	119 41 40	2.0	.50	1.5	.50	500	N	15	500	1.0
CI137SS	38 22 15	119 41 27	3.0	1.50	1.5	.70	700	N	20	700	1.0
CI138SS	38 22 16	119 41 12	2.0	.50	1.0	.50	300	N	10	300	1.0
CI139SS	38 27 6	119 45 40	3.0	2.00	7.0	.70	700	N	15	500	<1.0
CI140SS	38 27 5	119 45 53	3.0	2.00	1.5	.50	700	N	15	500	1.0
CI141SS	38 26 13	119 45 3	2.0	2.00	1.5	.30	500	N	N	200	<1.0
CI142SS	38 25 21	119 48 57	5.0	1.00	1.5	.70	300	N	10	200	<1.0
CI143SS	38 25 27	119 49 12	1.5	.70	1.5	.20	300	N	<10	300	<1.0
CI144SS	38 25 32	119 49 22	2.0	.20	.5	.30	200	N	<10	150	<1.0
CI146SS	38 25 49	119 48 34	3.0	.50	1.5	.50	500	N	<10	200	<1.0
CI147SS	38 25 47	119 48 28	2.0	1.00	2.0	.30	500	N	10	300	<1.0
CI148SS	38 26 3	119 52 35	1.5	.30	.7	.20	200	N	<10	150	<1.0
CI149SS	38 22 10	119 54 44	5.0	2.00	1.5	.50	500	N	10	300	<1.0
CI150SS	38 22 7	119 54 36	3.0	3.00	3.0	.50	500	N	10	300	<1.0
CI151SS	38 24 42	119 56 20	2.0	1.00	1.5	.70	300	N	<10	200	<1.0
CI152SS	38 24 45	119 56 27	1.0	.20	.5	.30	300	N	N	100	<1.0
CI153SS	38 25 38	119 56 58	1.0	.50	1.5	.50	300	N	<10	150	1.0
CI154SS	38 25 38	119 56 48	.7	.50	1.0	.30	300	N	<10	150	1.0
CI155SS	38 26 49	119 56 37	.5	.20	1.0	.50	200	N	10	200	<1.0
CI156SS	38 26 49	119 56 31	2.0	1.00	2.0	.30	300	N	10	150	1.0
CI157SS	38 28 11	119 56 42	1.5	.30	.7	.30	300	N	10	150	1.0
CI158SS	38 28 14	119 56 49	2.0	1.00	2.0	.30	500	N	<10	200	<1.0

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
CI113SS	10	70	10	30	N	N	10	50	5	700	150
CI114SS	10	50	15	100	N	N	7	50	5	700	150
CI115SS	10	70	10	100	N	N	20	70	7	500	200
CI116SS	7	70	7	70	N	N	10	50	5	700	100
CI117SS	30	150	20	50	N	N	70	20	15	500	200
CI118SS	10	50	10	30	N	N	20	30	10	500	70
CI119SS	10	10	15	50	N	N	10	30	7	500	50
CI120SS	20	150	30	70	N	<20	20	30	15	500	200
CI121SS	N	<10	5	100	N	N	<5	30	5	300	50
CI122SS	10	30	10	50	N	N	10	50	7	500	100
CI123SS	20	70	20	50	<5	N	30	15	15	300	100
CI124SS	15	100	20	50	N	N	30	20	20	300	100
CI125SS	15	100	10	50	N	N	50	30	7	300	100
CI126SS	5	<10	5	20	N	N	7	20	5	200	50
CI127SS	<5	10	7	20	N	<20	<5	50	5	300	50
CI128SS	5	<10	7	50	N	20	<5	50	5	500	70
CI129SS	N	<10	5	30	N	<20	<5	30	5	200	50
CI130SS	7	15	10	50	N	N	5	50	5	300	70
CI131SS	20	70	20	50	N	N	20	50	20	500	100
CI132SS	20	70	15	20	N	N	30	15	20	500	150
CI133SS	20	70	15	50	N	N	30	30	15	700	100
CI134SS	20	100	10	50	N	N	30	30	15	500	100
CI135SS	7	10	5	70	N	N	<5	30	5	500	70
CI136SS	20	30	30	30	N	N	20	20	10	500	100
CI137SS	30	100	30	50	10	N	50	30	20	500	150
CI138SS	15	30	20	50	<5	N	20	30	15	300	100
CI139SS	20	100	20	50	<5	N	30	30	30	1,000	100
CI140SS	20	150	30	50	<5	N	50	30	20	700	100
CI141SS	20	100	10	20	N	N	30	20	15	500	70
CI142SS	10	15	5	70	<5	N	7	20	15	300	100
CI143SS	20	20	15	20	N	N	15	20	10	500	70
CI144SS	7	10	5	30	N	N	<5	50	5	300	70
CI146SS	15	70	15	20	N	N	30	10	10	300	100
CI147SS	15	70	20	50	<5	N	30	20	10	500	70
CI148SS	10	15	7	20	N	N	5	20	7	300	50
CI149SS	30	100	20	50	N	N	70	30	30	300	150
CI150SS	30	100	20	30	N	N	50	20	30	500	150
CI151SS	15	20	7	50	5	N	10	30	15	500	100
CI152SS	10	<10	5	30	N	N	5	30	7	200	30
CI153SS	7	10	5	50	<5	N	<5	30	10	300	70
CI154SS	5	10	<5	30	<5	N	<5	30	7	300	30
CI155SS	7	10	<5	50	N	N	<5	20	10	200	50
CI156SS	10	10	5	50	N	N	5	30	10	500	70
CI157SS	10	15	5	30	5	N	5	30	10	300	50
CI158SS	20	30	10	30	N	N	20	10	15	300	100

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	W-ppm 's	Y-ppm s	Zr-ppm s	Th-ppm s	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Au-ppm aa	As-ppm cm
C1113SS	N	15	70	N	60	<.05	<.5	1	--	10
C1114SS	N	20	100	N	60	.05	<.5	2	--	<10
C1115SS	N	20	150	N	45	.10	<.5	2	--	N
C1116SS	N	15	100	N	60	.10	N	2	--	<10
C1117SS	N	20	100	N	60	.20	N	<1	--	N
C1118SS	N	10	100	N	40	<.05	.5	<1	--	N
C1119SS	N	10	100	N	60	<.05	.5	<1	--	20
C1120SS	N	70	200	300	35	<.05	N	<1	--	10
C1121SS	N	15	50	N	30	<.05	<.5	<1	--	N
C1122SS	N	15	150	N	35	<.05	<.5	<1	--	<10
C1123SS	N	20	100	N	45	.10	1.0	<1	--	10
C1124SS	N	30	200	N	30	<.05	1.0	<1	--	20
C1125SS	N	10	100	N	75	.30	.5	1	--	<10
C1126SS	N	<10	100	N	35	<.05	<.5	<1	--	N
C1127SS	N	10	100	N	25	<.05	.5	<1	--	N
C1128SS	N	15	300	N	40	<.05	1.0	<1	--	<10
C1129SS	N	15	150	<200	45	<.05	<.5	<1	--	<10
C1130SS	N	10	100	<200	70	.30	.5	1	--	N
C1131SS	N	20	200	N	50	.10	<.5	<1	--	10
C1132SS	N	15	70	N	20	<.05	<.5	<1	--	N
C1133SS	N	20	100	N	60	.10	1.0	<1	--	<10
C1134SS	N	20	150	N	45	.15	1.0	<1	--	<10
C1135SS	N	15	200	<200	45	.10	<.5	<1	--	N
C1136SS	N	15	150	N	40	.10	<.5	<1	--	<10
C1137SS	<50	15	200	N	70	.10	1.0	<1	--	<10
C1138SS	N	10	150	N	60	<.05	1.0	1	--	<10
C1139SS	N	20	150	N	65	.05	<.5	<1	--	<10
C1140SS	N	15	150	N	65	.10	<.5	<1	--	20
C1141SS	N	10	100	N	50	.10	1.0	<1	--	N
C1142SS	N	20	200	<200	40	<.05	<.5	<1	--	<10
C1143SS	N	<10	50	N	45	.05	<.5	<1	--	N
C1144SS	N	<10	200	N	45	.10	<.5	<1	--	N
C1146SS	N	15	150	N	40	.10	<.5	<1	--	20
C1147SS	N	10	150	N	60	.10	1.0	<1	--	<10
C1148SS	N	<10	100	N	50	.10	1.0	<1	--	N
C1149SS	N	20	150	N	75	.10	<.5	<1	--	N
C1150SS	N	20	100	N	65	.10	<.5	N	--	N
C1151SS	N	15	150	N	40	<.05	N	N	--	N
C1152SS	N	10	200	N	4	.10	<.5	<1	--	N
C1153SS	N	20	200	N	25	<.05	<.5	<1	--	N
C1154SS	N	10	70	<200	20	<.05	<.5	<1	--	N
C1155SS	N	30	200	N	15	<.05	1.0	<1	--	N
C1156SS	N	10	50	N	45	<.05	<.5	<1	--	N
C1157SS	N	10	150	<200	35	.10	<.5	N	--	N
C1158SS	N	15	70	N	25	<.05	<.5	<1	--	N

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
CI159SS	38 29 20	119 56 4	.7	.70	.7	.30	200	N	<10	200	<1.0
CI160SS	38 29 23	119 55 55	2.0	.70	1.5	.20	500	N	15	200	1.0
CI161SS	38 29 23	119 55 12	.7	.50	.7	.20	200	N	20	150	1.0
CI162SS	38 29 19	119 55 8	2.0	.70	2.0	.30	700	N	10	150	1.0
CI163SS	38 29 42	119 53 31	2.0	2.00	1.5	.50	500	N	10	300	<1.0
CI164SS	38 36 10	119 43 58	2.0	1.50	1.0	.50	500	N	10	500	<1.0
HV9087SS	38 16 59	119 36 27	3.0	1.50	1.0	.70	700	N	20	1,000	1.5
HV9088SS	38 17 12	119 36 11	3.0	1.50	1.0	.70	700	N	70	1,000	1.5
HV9090SS	38 17 42	119 36 9	3.0	1.00	1.0	.50	700	N	50	1,000	2.0
HV9091SS	38 18 31	119 35 27	2.0	1.00	1.5	.50	500	N	20	1,000	2.0
HV9092SS	38 18 24	119 35 25	3.0	1.00	1.0	.70	700	N	30	700	2.0
HV9186SS	38 17 42	119 36 4	3.0	1.50	1.5	.70	1,000	N	20	700	1.0
HV9187SS	38 16 57	119 36 23	5.0	1.50	1.5	.50	700	N	20	700	<1.0
WL0463SS	38 34 25	119 37 52	5.0	1.50	3.0	1.00	1,000	N	20	700	5.0
WL0464SS	38 32 58	119 36 38	5.0	1.50	3.0	1.00	1,000	N	20	700	5.0
WL0466SS	38 29 8	119 56 38	5.0	1.50	3.0	1.00	1,000	N	30	1,000	3.0
WL0467SS	38 29 12	119 56 44	7.0	1.50	3.0	.70	1,000	N	30	1,000	2.0
WL0468SS	38 26 31	119 59 8	5.0	2.00	3.0	.70	1,000	N	50	1,000	2.0
WL0469SS	38 27 4	119 59 27	3.0	1.50	3.0	.50	1,000	N	50	1,000	3.0
WL0470SS	38 24 32	119 57 59	2.0	1.00	3.0	.50	700	N	30	700	3.0
WL0471SS	38 24 27	119 57 50	5.0	1.50	5.0	.70	1,000	N	20	500	2.0
WL0472SS	38 24 15	119 57 31	5.0	1.50	3.0	1.00	1,000	N	30	1,000	2.0
WL0473SS	38 26 44	119 51 25	5.0	1.50	2.0	1.00	1,000	N	50	1,000	2.0
WL0474SS	38 26 48	119 51 31	10.0	1.50	3.0	.70	1,000	N	30	700	2.0
WL0475SS	38 25 53	119 52 33	7.0	2.00	3.0	1.00	1,000	N	30	1,000	1.5
WL0476SS	38 26 18	119 53 48	3.0	1.00	2.0	.70	1,000	N	15	500	3.0
WL0477SS	38 21 10	119 56 25	5.0	2.00	3.0	.70	1,000	N	30	1,000	2.0
WL0478SS	38 21 15	119 56 25	5.0	2.00	5.0	1.00	1,000	N	10	700	2.0
WL0489SS	38 25 24	119 48 48	10.0	2.00	3.0	1.00	1,000	N	20	1,000	1.5
WL0490SS	38 25 28	119 48 41	5.0	1.50	3.0	1.00	1,000	N	50	1,000	2.0
WL0491SS	38 24 27	119 41 51	5.0	2.00	2.0	.70	1,000	N	20	1,000	1.5
WL0492SS	38 25 9	119 42 20	7.0	.50	5.0	.50	700	N	30	500	3.0
WL0518SS	38 21 45	119 54 8	10.0	2.00	3.0	1.00	1,000	N	20	500	1.5
WL0519SS	38 22 0	119 53 20	5.0	2.00	3.0	.70	1,000	N	30	1,000	1.5
WL0520SS	38 22 6	119 52 25	7.0	1.00	1.5	.50	1,000	N	10	300	1.0
WL0521SS	38 22 57	119 49 45	5.0	2.00	3.0	.70	1,000	N	50	1,000	2.0
WL0522SS	38 23 24	119 48 6	10.0	2.00	3.0	1.00	1,000	N	100	1,000	2.0
WL0523SS	38 24 8	119 46 28	3.0	1.00	2.0	.70	1,000	N	20	700	1.0
WL0524SS	38 25 8	119 45 2	7.0	2.00	3.0	1.00	1,000	N	50	1,000	3.0
WL0525SS	38 24 56	119 43 56	5.0	1.50	3.0	.70	1,000	N	50	1,000	3.0
WL0526SS	38 20 27	119 48 22	5.0	1.00	3.0	1.00	1,000	N	20	500	5.0
WL0527SS	38 20 36	119 47 15	7.0	1.50	3.0	1.00	1,000	N	20	500	2.0
WL0528SS	38 20 22	119 46 37	5.0	2.00	3.0	1.00	1,000	N	50	1,000	2.0
WL0529SS	38 20 6	119 45 48	10.0	1.50	2.0	1.00	1,000	N	20	700	3.0
WL0530SS	38 18 43	119 44 33	7.0	1.00	1.5	.70	1,000	N	100	700	1.0

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
CI159SS	10	20	7	20	N	N	15	20	10	200	50
CI160SS	10	15	7	20	10	N	10	30	15	300	70
CI161SS	5	10	5	30	N	N	5	30	7	200	50
CI162SS	10	10	5	30	10	<20	5	20	20	200	70
CI163SS	15	20	10	50	5	N	15	30	15	500	100
CI164SS	20	70	10	20	N	N	20	20	15	500	70
HV9087SS	15	100	20	50	N	N	30	30	20	700	300
HV9088SS	20	200	50	20	N	N	20	30	15	700	300
HV9090SS	20	100	20	30	N	N	20	30	15	700	200
HV9091SS	15	150	20	20	N	N	30	30	15	1,000	200
HV9092SS	20	150	20	20	N	N	20	50	15	500	300
HV9186SS	15	50	20	30	N	N	30	30	15	700	200
HV9187SS	15	70	20	30	N	N	30	20	20	500	200
WL0463SS	15	70	15	50	N	<20	30	30	10	500	200
WL0464SS	20	70	20	100	N	<20	30	20	10	700	500
WL0466SS	15	50	10	30	<5	N	20	20	15	500	200
WL0467SS	15	100	50	70	N	<20	30	30	10	500	300
WL0468SS	20	50	20	50	N	<20	20	20	20	700	500
WL0469SS	15	20	15	30	7	<20	5	30	15	500	200
WL0470SS	5	10	7	50	5	<20	N	30	7	500	150
WL0471SS	10	20	7	50	5	<20	N	20	10	500	200
WL0472SS	20	50	30	50	7	<20	20	30	15	700	300
WL0473SS	20	30	30	50	N	N	20	30	15	500	300
WL0474SS	20	30	30	50	N	<20	10	30	7	700	700
WL0475SS	20	50	30	30	7	<20	30	30	20	1,000	300
WL0476SS	10	15	7	50	10	N	5	30	10	500	200
WL0477SS	20	50	20	50	10	<20	30	30	15	500	200
WL0478SS	30	150	30	30	N	<20	70	20	20	500	500
WL0489SS	20	50	30	30	N	<20	20	20	20	700	1,000
WL0490SS	20	100	30	30	N	<20	50	30	15	1,000	300
WL0491SS	20	50	20	30	N	N	20	30	20	700	300
WL0492SS	15	50	10	70	N	<20	20	30	7	500	300
WL0518SS	20	70	30	50	N	N	50	20	20	300	300
WL0519SS	20	50	30	30	<5	N	30	20	20	1,000	300
WL0520SS	10	30	20	100	N	N	<5	50	10	500	300
WL0521SS	20	50	30	50	N	N	20	20	15	700	300
WL0522SS	20	70	20	50	N	N	30	20	20	700	300
WL0523SS	15	70	20	50	N	N	20	30	15	700	300
WL0524SS	30	200	50	50	N	N	100	30	15	700	300
WL0525SS	15	70	30	50	<5	N	50	30	15	1,000	200
WL0526SS	10	20	10	100	20	20	15	30	10	700	300
WL0527SS	15	30	15	70	7	<20	15	20	15	500	500
WL0528SS	20	70	30	50	<5	<20	30	30	15	1,000	200
WL0529SS	20	50	30	100	10	20	20	30	15	500	500
WL0530SS	15	150	30	50	N	N	30	50	15	700	300

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	W-ppm 's	Y-ppm s	Zr-ppm s	Th-ppm s	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Au-ppm aa	As-ppm cm
CI159SS	N	<10	70	N	30	<.05	N	<1	--	<10
CI160SS	N	20	200	N	40	<.05	<.5	<1	--	N
CI161SS	N	15	100	N	35	.05	<.5	N	--	<10
CI162SS	N	70	150	N	30	.10	<.5	<1	--	N
CI163SS	N	10	100	N	35	.10	1.0	<1	--	N
CI164SS	N	<10	50	N	50	.10	<.5	<1	--	N
HV9087SS	N	20	150	N	60	.30	<.5	2	<.005	N
HV9088SS	N	20	150	N	75	.25	<.5	3	--	N
HV9090SS	N	20	100	N	75	.25	<.5	2	--	N
HV9091SS	N	15	100	N	60	.25	<.5	2	--	N
HV9092SS	N	20	150	N	80	.25	<.5	3	--	<10
HV9186SS	N	20	150	N	60	.30	<.5	2	--	<10
HV9187SS	N	20	100	N	70	.30	<.5	2	--	N
WL0463SS	N	20	500	N	30	<.05	N	2	--	N
WL0464SS	N	50	700	<200	55	.15	1.0	2	--	N
WL0466SS	N	30	500	N	30	<.05	N	1	--	N
WL0467SS	N	30	700	N	60	.15	.5	2	--	N
WL0468SS	N	30	500	N	50	.10	1.0	2	--	N
WL0469SS	N	20	500	N	45	.10	<.5	2	--	N
WL0470SS	N	30	700	<200	35	.10	<.5	2	--	N
WL0471SS	N	30	1,000	N	20	<.05	1.0	2	--	N
WL0472SS	N	30	500	N	45	<.05	<.5	2	--	N
WL0473SS	N	20	200	N	95	.35	<.5	2	--	N
WL0474SS	N	20	1,000	N	40	.10	.5	2	--	N
WL0475SS	N	20	500	N	65	.15	1.0	2	--	N
WL0476SS	N	20	200	N	30	.24	2.0	2	--	N
WL0477SS	N	20	500	N	60	.20	<.5	2	--	N
WL0478SS	N	30	200	N	65	.10	.5	2	--	N
WL0489SS	N	20	700	N	65	.10	<.5	2	--	N
WL0490SS	N	20	200	N	80	.15	.5	2	--	N
WL0491SS	N	20	100	N	45	.15	.5	2	--	N
WL0492SS	N	30	700	<200	50	<.05	<.5	2	--	N
WL0518SS	N	20	700	<200	55	<.05	<.5	2	--	N
WL0519SS	N	20	500	N	55	.05	N	2	--	N
WL0520SS	N	20	700	N	35	.10	2.0	2	--	N
WL0521SS	N	20	200	N	55	<.05	N	2	--	N
WL0522SS	N	30	700	N	50	.05	<.5	2	--	N
WL0523SS	N	30	200	N	50	<.05	N	2	--	N
WL0524SS	N	20	500	N	7	.10	N	2	--	<10
WL0525SS	N	20	500	N	60	.10	.5	2	--	N
WL0526SS	50	30	700	<200	45	<.05	<.5	2	--	N
WL0527SS	N	30	1,000	N	45	<.05	N	3	--	N
WL0528SS	N	20	500	N	55	.05	N	2	--	N
WL0529SS	N	30	700	<200	55	.05	<.5	3	--	N
WL0530SS	N	20	500	N	75	.05	<.5	2	--	N

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake 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	B-ppm s	Ba-ppm s	Be-ppm s
WL0531SS	38 19 5	119 39 43	2.0	1.00	2.0	.70	1,000	N	10	1,000	1.5
WL0532SS	38 18 45	119 36 19	5.0	1.50	3.0	.70	1,000	N	30	1,000	2.0
WL0556SS	38 26 51	119 40 11	5.0	1.00	2.0	1.00	1,000	N	20	700	3.0
WL0557SS	38 27 3	119 39 57	2.0	.20	2.0	.50	1,000	N	10	300	7.0
WL0558SS	38 28 19	119 40 38	7.0	.30	2.0	.70	1,000	N	20	700	3.0
WL0559SS	38 29 52	119 41 5	7.0	1.50	3.0	1.00	1,000	N	50	1,000	2.0
WL0560SS	38 30 37	119 39 5	3.0	.70	2.0	.50	1,000	N	20	700	5.0
WL0561SS	38 32 18	119 39 24	5.0	1.00	3.0	.70	1,000	N	20	700	5.0
WL0562SS	38 32 14	119 39 25	2.0	1.00	2.0	.50	700	N	20	700	5.0
WL0563SS	38 31 57	119 35 37	5.0	.50	1.0	.70	2,000	N	10	500	1.5
WL0564SS	38 31 59	119 35 27	5.0	1.50	2.0	.70	2,000	N	100	700	2.0
WL0572SS	38 26 42	119 35 37	2.0	1.00	1.5	.50	1,000	N	20	700	2.0
WL0573SS	38 27 0	119 36 3	2.0	.30	1.0	.50	1,500	N	10	500	3.0
WL0574SS	38 29 23	119 36 27	3.0	.50	2.0	.50	1,000	N	20	500	5.0
WL0575SS	38 29 22	119 36 20	3.0	1.00	2.0	.70	1,000	N	20	700	3.0
WL0576SS	38 29 38	119 35 49	5.0	.50	2.0	1.00	1,000	N	20	700	5.0
WL0577SS	38 29 43	119 35 49	5.0	.70	2.0	1.00	3,000	N	30	700	3.0
WL0578SS	38 31 5	119 43 45	7.0	2.00	3.0	1.00	1,000	N	30	1,000	1.5
WL0579SS	38 31 9	119 43 49	7.0	2.00	3.0	1.00	1,000	N	50	1,000	2.0
WL0580SS	38 31 36	119 43 6	5.0	2.00	3.0	1.00	1,000	N	50	1,000	3.0
WL0581SS	38 33 39	119 42 29	3.0	.70	1.5	.70	1,000	N	20	1,000	1.0
WL0582SS	38 36 59	119 41 41	5.0	1.50	3.0	.70	1,000	N	50	1,000	2.0
WL0583SS	38 36 22	119 40 43	7.0	1.50	3.0	.70	1,500	N	50	1,000	2.0
WL0598SS	38 31 20	119 48 47	3.0	.30	1.0	.50	500	N	10	300	1.0
WL0599SS	38 31 22	119 48 37	3.0	1.50	1.5	.50	500	N	10	700	<1.0
WL0600SS	38 32 48	119 46 55	3.0	1.50	1.5	.50	1,000	N	20	700	1.0
WL0601SS	38 32 48	119 47 3	5.0	1.00	2.0	.50	1,000	N	20	700	1.0
WL0611SS	38 28 56	119 59 12	5.0	2.00	2.0	.70	1,000	N	20	700	<1.0
WL0614SS	38 32 22	119 52 40	1.5	1.00	1.0	.50	500	N	<10	300	1.0
WL0616SS	38 34 50	119 48 5	3.0	.50	.7	.70	1,000	N	20	700	1.0
WL0617SS	38 34 58	119 47 11	3.0	1.50	2.0	.50	1,000	N	20	1,000	1.5
WL0618SS	38 34 59	119 47 3	3.0	1.00	1.5	.50	700	N	10	700	1.0
WL0619SS	38 35 2	119 46 55	3.0	1.50	1.0	.70	700	N	20	700	<1.0
WL0621SS	38 35 56	119 46 49	5.0	1.50	1.5	.50	1,000	N	10	700	1.0
WL0622SS	38 36 32	119 45 58	2.0	1.50	1.5	.50	700	.5	10	500	<1.0
WL0623SS	38 36 34	119 45 46	2.0	.50	.7	.50	700	N	20	500	1.5
WL0624SS	38 36 58	119 44 56	3.0	1.00	1.5	.70	1,000	N	10	1,000	1.0
WL0625SS	38 37 5	119 44 22	2.0	1.00	1.0	.50	500	N	10	500	<1.0
WL0750SS	38 37 0	119 42 42	3.0	1.50	2.0	.50	1,000	N	10	500	<1.0
WL0751SS	38 35 48	119 41 32	3.0	1.50	2.0	.50	1,000	N	10	700	1.0

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
WL0531SS	15	70	20	50	N	N	20	50	15	1,000	200
WL0532SS	20	100	50	30	N	N	30	20	15	1,000	300
WL0556SS	15	50	20	50	<5	<20	20	20	10	500	200
WL0557SS	N	10	7	50	N	<20	5	30	5	500	50
WL0558SS	15	20	20	70	N	N	5	20	7	500	300
WL0559SS	20	50	20	50	N	N	20	20	10	500	300
WL0560SS	7	50	10	50	N	N	15	30	7	700	100
WL0561SS	15	50	10	50	N	N	15	30	10	700	300
WL0562SS	10	50	10	50	N	N	20	20	10	700	150
WL0563SS	7	100	10	70	N	20	10	50	10	300	150
WL0564SS	15	50	20	50	N	<20	20	30	10	300	200
WL0572SS	10	200	20	50	N	<20	50	50	15	700	200
WL0573SS	5	30	5	50	N	<20	7	70	5	500	100
WL0574SS	5	50	10	50	N	20	15	20	7	500	150
WL0575SS	10	50	15	50	5	20	20	20	10	500	100
WL0576SS	7	20	5	70	<5	20	<5	30	7	700	200
WL0577SS	7	15	10	100	7	30	N	20	10	500	150
WL0578SS	20	100	20	50	N	N	30	20	15	700	500
WL0579SS	20	70	30	50	N	N	30	20	20	1,000	500
WL0580SS	20	150	30	50	N	N	50	20	20	1,000	200
WL0581SS	15	70	10	50	N	N	10	50	15	700	300
WL0582SS	15	20	30	30	N	N	20	20	15	700	200
WL0583SS	20	50	20	30	N	N	20	20	15	500	500
WL0598SS	10	30	15	50	N	N	N	30	10	500	200
WL0599SS	15	50	20	50	N	N	10	50	10	1,000	200
WL0600SS	15	70	7	30	N	<20	20	30	10	700	200
WL0601SS	20	150	20	30	N	N	30	50	20	700	200
WL0611SS	20	150	20	20	N	N	30	20	20	500	300
WL0614SS	10	30	7	30	5	N	10	20	10	500	150
WL0616SS	15	20	30	30	N	N	15	30	15	300	200
WL0617SS	20	100	15	30	N	N	30	30	15	700	200
WL0618SS	15	70	20	30	N	N	20	20	15	500	200
WL0619SS	15	70	15	30	N	N	20	30	15	500	300
WL0621SS	20	100	20	30	N	N	20	30	15	500	200
WL0622SS	15	50	15	20	N	N	15	20	15	500	150
WL0623SS	10	50	10	30	N	N	20	30	10	700	150
WL0624SS	10	100	15	30	N	N	30	20	15	700	200
WL0625SS	20	70	20	30	N	N	20	30	15	500	150
WL0750SS	15	100	15	20	N	N	50	30	15	700	200
WL0751SS	10	70	15	50	N	N	30	50	15	1,000	200

Table 3.--Data for stream-sediment samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	W-ppm 's	Y-ppm s	Zr-ppm s	Th-ppm s	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Au-ppm aa	As-ppm cm
WL0531SS	N	20	100	N	65	.05	<.5	2	--	N
WL0532SS	N	20	200	N	70	.10	N	2	--	N
WL0536SS	N	30	700	<200	45	.05	.5	2	--	<10
WL0557SS	N	20	500	N	50	.10	.5	2	--	N
WL0558SS	N	30	1,000	N	40	.10	<.5	2	--	<10
WL0559SS	N	20	500	N	50	<.05	N	2	--	N
WL0560SS	N	15	200	N	40	.05	N	2	--	10
WL0561SS	N	20	700	<200	35	.05	N	2	--	<10
WL0562SS	N	15	200	N	35	.05	N	2	--	N
WL0563SS	N	30	700	200	30	<.05	1.0	3	--	20
WL0564SS	N	50	1,000	N	60	.15	1.0	2	--	10
WL0572SS	N	20	150	N	45	.05	<.5	2	--	10
WL0573SS	N	15	200	<200	35	N	<.5	2	--	N
WL0574SS	N	20	500	<200	45	<.05	<.5	2	--	N
WL0575SS	N	20	700	<200	35	<.05	<.5	4	--	10
WL0576SS	N	30	700	N	30	<.05	1.0	2	--	N
WL0577SS	N	50	1,000	N	30	<.05	2.0	2	--	<10
WL0578SS	N	20	500	N	50	<.05	N	2	--	N
WL0579SS	N	20	200	N	45	<.05	<.5	2	--	N
WL0580SS	N	20	300	N	60	.05	.5	2	--	<10
WL0581SS	N	20	700	N	75	.10	<.5	2	--	N
WL0582SS	N	20	200	N	75	.10	N	4	--	N
WL0583SS	N	30	200	N	75	.10	N	10	--	<10
WL0598SS	N	20	500	N	55	.10	<.5	3	--	N
WL0599SS	N	20	50	N	75	.25	<.5	1	--	N
WL0600SS	N	20	150	N	50	.15	N	1	--	N
WL0601SS	N	20	100	N	55	.15	<.5	2	--	N
WL0611SS	N	30	150	N	35	<.05	N	2	--	N
WL0614SS	N	20	100	N	30	.10	N	1	--	N
WL0616SS	N	20	150	N	70	.20	N	1	--	<10
WL0617SS	N	15	100	N	45	.10	N	2	--	N
WL0618SS	N	20	100	N	60	.10	N	1	--	N
WL0619SS	N	20	100	N	70	.25	<.5	<1	--	N
WL0621SS	N	20	70	N	65	.10	N	2	--	N
WL0622SS	N	20	100	N	60	.15	<.5	2	.005	<10
WL0623SS	N	20	150	N	55	.20	<.5	2	--	N
WL0624SS	N	15	150	N	55	.20	<.5	2	--	N
WL0625SS	N	20	70	N	65	.20	<.5	1	--	N
WL0750SS	N	20	100	N	60	.10	N	5	--	N
WL0751SS	N	20	100	N	55	N	<.5	3	--	N

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
C1001KN	38 27 15	120 0 10	1.00	2.00	7.0	>2.0	1,000	N	N	N	50
C1002KN	38 30 38	119 53 55	.20	.50	7.0	>2.0	1,000	N	N	N	N
C1003KN	38 32 13	119 53 25	.20	.10	5.0	>2.0	300	N	N	N	N
C1004KN	38 31 35	119 51 38	.20	.20	7.0	>2.0	500	N	N	N	N
C1005KN	38 31 30	119 51 45	.20	.20	10.0	>2.0	300	N	N	N	N
C1007KN	38 30 7	119 47 17	7.00	.20	7.0	1.5	300	2.0	N	N	20
C1008KN	38 32 22	119 49 45	1.00	1.50	10.0	>2.0	700	N	N	N	N
C1009KN	38 32 32	119 46 55	1.50	2.00	7.0	1.5	700	N	N	N	<20
C1010KN	38 32 30	119 47 5	2.00	5.00	7.0	1.0	1,000	N	N	N	<20
C1011KN	38 33 50	119 47 15	2.00	3.00	7.0	2.0	1,500	N	N	N	<20
C1012KN	38 35 17	119 45 3	1.00	5.00	7.0	1.5	1,000	N	N	N	<20
C1013KN	38 36 45	119 45 5	2.00	5.00	7.0	1.0	1,000	N	N	N	<20
C1014KN	38 31 22	119 44 28	2.00	5.00	10.0	1.5	1,500	N	N	N	<20
C1015KN	38 31 8	119 44 30	2.00	5.00	7.0	1.0	1,000	N	N	N	<20
C1016KN	38 32 42	119 42 0	.70	.70	10.0	>2.0	1,000	N	N	N	<20
C1017KN	38 33 39	119 43 42	2.00	5.00	10.0	1.0	1,500	N	N	N	<20
C1018KN	38 34 29	119 41 53	.50	.30	10.0	>2.0	500	N	N	N	N
C1019KN	38 34 25	119 41 43	3.00	3.00	7.0	2.0	1,500	N	N	N	<20
C1020KN	38 35 42	119 39 55	1.00	3.00	10.0	1.0	700	N	2,000	N	20
C1021KN	38 33 20	119 36 4	5.00	10.00	20.0	1.0	1,500	N	N	N	N
C1022KN	38 32 44	119 37 41	.50	.50	10.0	>2.0	1,000	N	<500	N	N
C1023KN	38 35 2	119 38 59	1.00	7.00	20.0	2.0	1,500	N	500	N	<20
C1024KN	38 31 23	119 38 56	.50	.07	10.0	>2.0	1,500	N	N	N	N
C1025KN	38 30 34	119 38 40	2.00	5.00	15.0	>2.0	1,500	N	N	N	N
C1026KN	38 30 14	119 41 2	1.50	5.00	20.0	2.0	2,000	N	N	N	N
C1027KN	38 29 21	119 42 21	1.00	5.00	20.0	>2.0	1,000	N	N	N	N
C1028KN	38 29 15	119 42 19	3.00	10.00	20.0	.7	1,000	N	N	N	N
C1029KN	38 27 28	119 43 0	2.00	7.00	15.0	>2.0	1,000	N	N	N	N
C1030KN	38 27 37	119 41 18	.50	.10	20.0	>2.0	1,500	N	N	N	N
C1031KN	38 27 42	119 41 23	1.00	2.00	15.0	>2.0	1,000	N	N	N	N
C1032KN	38 26 4	119 40 13	.70	2.00	15.0	>2.0	1,000	N	500	N	N
C1033KN	38 25 2	119 36 6	5.00	7.00	10.0	.7	1,000	N	N	N	N
C1034KN	38 25 3	119 36 17	1.50	5.00	15.0	>2.0	1,000	N	N	N	N
C1035KN	38 26 6	119 36 4	1.00	5.00	10.0	>2.0	1,000	N	<500	N	N
C1036KN	38 26 2	119 35 58	1.50	7.00	15.0	>2.0	1,000	N	N	N	N
C1037KN	38 25 39	119 35 2	2.00	7.00	15.0	>2.0	1,500	N	N	N	N
C1038KN	38 28 11	119 35 5	.70	2.00	15.0	>2.0	1,500	N	<500	N	<20
C1039KN	38 29 27	119 34 7	2.00	3.00	20.0	>2.0	2,000	2.0	N	N	100
C1040KN	38 29 22	119 34 2	.50	.20	7.0	>2.0	1,000	N	N	N	20
C1041KN	38 23 34	119 41 27	1.00	5.00	20.0	>2.0	2,000	N	N	N	N
C1042KN	38 23 34	119 41 50	1.00	5.00	10.0	>2.0	1,500	N	N	N	N
C1043KN	38 23 20	119 41 49	.50	1.50	15.0	>2.0	1,000	N	N	N	N
C1044KN	38 21 51	119 40 33	.70	.70	15.0	>2.0	1,000	N	N	N	N
C1045KN	38 21 39	119 40 35	.70	.70	7.0	1.0	500	N	N	N	N
C1046KN	38 20 46	119 43 37	.50	.50	15.0	>2.0	1,000	N	N	N	N

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California

Sample	Ba-ppm s	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
C1001KN	<50	N	N	20	300	<10	1,000	20	100	20	70
C1002KN	<50	N	N	15	100	N	700	20	70	N	<20
C1003KN	150	N	N	15	20	10	500	150	70	N	30
C1004KN	<50	N	N	20	20	15	700	50	50	N	N
C1005KN	100	N	N	30	30	10	1,000	20	<50	N	50
C1007KN	>10,000	N	N	30	50	150	500	10	<50	20	200
C1008KN	5,000	N	N	15	200	<10	700	15	50	20	20
C1009KN	10,000	N	N	20	500	<10	300	N	50	50	N
C1010KN	3,000	N	N	20	500	15	150	<10	N	70	500
C1011KN	5,000	N	N	20	700	10	200	<10	<50	100	N
C1012KN	500	<2	N	20	500	N	100	N	<50	100	N
C1013KN	500	N	N	15	1,000	10	100	<10	N	100	N
C1014KN	<50	N	N	50	1,000	<10	200	<10	70	100	N
C1015KN	<50	N	N	30	700	<10	70	<10	<50	70	N
C1016KN	100	N	N	15	150	<10	1,000	15	100	N	50
C1017KN	500	N	N	50	700	<10	100	<10	<50	100	N
C1018KN	150	N	N	15	50	<10	1,000	10	50	N	70
C1019KN	300	N	N	30	1,000	10	300	<10	50	100	N
C1020KN	300	3	<2	100	200	70	1,000	10	N	N	150
C1021KN	<50	N	N	50	1,500	10	150	N	<50	150	N
C1022KN	N	2	N	20	70	15	1,000	20	150	N	70
C1023KN	200	7	N	70	1,500	20	1,000	15	<50	70	70
C1024KN	<50	2	N	15	20	<10	1,000	20	150	N	30
C1025KN	70	2	N	30	1,000	10	700	10	100	70	50
C1026KN	100	N	N	30	700	10	700	<10	50	70	20
C1027KN	50	N	N	20	1,000	<10	700	10	100	100	20
C1028KN	70	N	N	50	1,000	<10	300	N	<50	50	<20
C1029KN	300	N	N	30	700	<10	500	<10	50	100	20
C1030KN	50	3	N	20	20	10	1,000	10	100	N	50
C1031KN	100	N	N	20	500	<10	1,000	10	100	50	50
C1032KN	50	5	N	30	300	10	1,000	10	150	20	100
C1033KN	50	N	N	50	700	10	150	N	N	300	<20
C1034KN	50	<2	N	30	700	10	700	15	150	100	30
C1035KN	N	2	N	50	500	10	700	10	150	100	70
C1036KN	70	<2	N	50	700	15	700	10	100	150	30
C1037KN	70	<2	N	50	700	10	700	10	100	100	50
C1038KN	70	5	N	20	200	15	1,000	<10	100	N	70
C1039KN	200	50	2,000	20	200	10	1,500	10	150	20	10,000
C1040KN	200	5	500	<10	50	<10	2,000	<10	200	N	100
C1041KN	70	2	N	20	300	<10	1,000	10	100	200	50
C1042KN	70	<2	N	30	500	<10	500	15	70	70	N
C1043KN	150	2	N	20	200	15	700	200	50	N	70
C1044KN	50	N	N	15	200	10	1,000	30	100	N	50
C1045KN	300	5	N	10	100	<10	300	10	<50	N	30
C1046KN	70	2	N	10	150	<10	1,000	30	100	N	30

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake 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
C1001KN	N	30	30	N	300	N	500	>2,000	3,000
C1002KN	N	20	50	N	300	N	300	>2,000	1,500
C1003KN	N	20	20	N	200	300	500	>2,000	5,000
C1004KN	N	20	20	N	300	100	1,000	>2,000	>5,000
C1005KN	N	30	20	<200	200	N	1,000	>2,000	>5,000
C1007KN	N	20	<20	1,000	200	N	300	>2,000	3,000
C1008KN	N	30	30	500	200	N	300	>2,000	3,000
C1009KN	N	50	<20	200	200	N	500	>2,000	3,000
C1010KN	N	70	N	200	300	<100	150	>2,000	700
C1011KN	N	70	N	500	300	N	100	>2,000	500
C1012KN	N	70	70	200	200	N	200	>2,000	<500
C1013KN	N	70	N	200	500	N	150	>2,000	<500
C1014KN	N	50	N	200	300	N	200	>2,000	<500
C1015KN	N	100	N	<200	500	<100	100	>2,000	500
C1016KN	N	30	50	500	200	N	500	>2,000	5,000
C1017KN	N	50	N	500	300	N	100	>2,000	500
C1018KN	N	20	20	500	150	N	500	>2,000	5,000
C1019KN	N	70	N	500	300	N	150	>2,000	700
C1020KN	N	50	50	1,000	200	N	5,000	>2,000	>5,000
C1021KN	N	150	N	N	300	N	100	1,000	<500
C1022KN	N	50	50	N	200	N	500	700	>5,000
C1023KN	N	150	20	200	200	N	1,500	2,000	>5,000
C1024KN	N	70	70	N	300	N	500	500	3,000
C1025KN	N	100	30	<200	200	<100	500	1,000	5,000
C1026KN	N	100	<20	300	200	<100	300	>2,000	2,000
C1027KN	N	100	20	N	200	N	200	300	1,500
C1028KN	N	150	20	200	200	N	100	700	500
C1029KN	N	100	<20	<200	200	N	100	500	1,000
C1030KN	N	50	50	200	200	N	300	2,000	5,000
C1031KN	N	70	30	200	200	N	500	>2,000	2,000
C1032KN	N	70	50	200	300	N	500	2,000	>5,000
C1033KN	N	70	N	200	200	N	100	2,000	<500
C1034KN	N	70	20	<200	200	<100	500	1,000	5,000
C1035KN	N	100	30	N	200	N	500	1,000	3,000
C1036KN	N	100	30	200	200	N	300	700	3,000
C1037KN	N	70	20	200	200	N	300	700	5,000
C1038KN	N	100	50	N	200	100	500	2,000	>5,000
C1039KN	1,000	100	100	200	200	N	700	>2,000	1,500
C1040KN	N	150	100	<200	150	100	2,000	>2,000	3,000
C1041KN	N	70	50	N	200	N	500	1,000	2,000
C1042KN	N	100	<20	<200	200	<100	200	700	500
C1043KN	N	70	20	500	200	200	300	2,000	5,000
C1044KN	N	50	30	200	300	100	300	1,500	2,000
C1045KN	N	10	N	1,000	100	<100	150	200	1,500
C1046KN	N	50	30	200	200	100	200	2,000	3,000

Table 4.---Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S
C1047KN	38 20 43	119 43 31	3.00	2.00	10.0	>2.0	700	N	N	N	N
C1048KN	38 20 36	119 43 30	1.50	1.50	15.0	>2.0	500	N	N	N	N
C1049KN	38 21 57	119 44 46	.70	5.00	10.0	>2.0	1,000	N	N	N	N
C1050KN	38 27 23	119 48 0	1.00	2.00	10.0	2.0	700	10.0	N	N	N
C1051KN	38 27 23	119 47 48	1.00	1.50	10.0	>2.0	500	N	N	N	N
C1052KN	38 28 24	119 47 17	.50	.50	0.0	>2.0	300	N	500	N	N
C1053KN	38 28 17	119 47 15	1.00	3.00	15.0	>2.0	700	N	N	N	N
C1054KN	38 26 26	119 51 26	1.00	.70	10.0	>2.0	500	N	N	N	50
C1055KN	38 26 50	119 51 10	5.00	.20	10.0	>2.0	500	N	N	N	150
C1056KN	38 26 54	119 51 17	1.00	.30	15.0	>2.0	700	N	N	N	N
C1057KN	38 20 56	119 57 7	.50	1.50	15.0	>2.0	1,000	N	N	N	N
C1058KN	38 20 44	119 57 7	.50	.50	15.0	>2.0	1,000	N	N	N	N
C1059KN	38 22 2	119 57 56	1.00	5.00	15.0	>2.0	1,000	N	N	N	20
C1060KN	38 22 14	119 57 46	1.00	.05	10.0	>2.0	700	N	N	N	N
C1061KN	38 23 17	119 56 12	.50	.50	10.0	>2.0	1,000	N	N	N	N
C1062KN	38 23 15	119 56 5	.70	1.50	10.0	>2.0	1,000	N	N	N	N
C1063KN	38 22 13	119 56 27	.50	.50	10.0	>2.0	500	N	N	N	N
C1064KN	38 22 7	119 56 46	.20	.10	15.0	>2.0	1,000	N	N	N	N
C1065KN	38 26 56	119 53 55	.50	.10	10.0	>2.0	1,000	N	N	N	N
C1066KN	38 26 57	119 53 26	.50	.70	15.0	>2.0	1,000	N	N	N	N
C1067KN	38 26 5	119 53 32	.50	.20	10.0	>2.0	500	N	N	N	N
C1068KN	38 26 14	119 53 27	.50	.05	15.0	>2.0	700	N	N	N	N
C1069KN	38 28 25	119 51 8	.20	.30	7.0	>2.0	500	N	N	N	N
C1070KN	38 28 26	119 51 13	.50	1.50	10.0	>2.0	700	N	N	N	N
C1071KN	38 28 58	119 49 50	.20	.20	10.0	>2.0	500	N	N	N	N
C1072KN	38 28 52	119 49 42	1.00	.20	7.0	2.0	300	N	N	N	30
C1073KN	38 28 33	119 49 42	.70	.30	10.0	>2.0	500	3.0	N	N	20
C1074KN	38 27 54	119 50 30	2.00	1.00	15.0	2.0	500	5.0	N	N	50
C1075KN	38 29 53	119 46 43	1.00	.50	15.0	>2.0	500	N	N	N	20
C1076KN	38 29 54	119 46 33	1.50	3.00	10.0	2.0	700	N	N	N	N
C1077KN	38 32 1	119 40 6	.50	2.00	20.0	>2.0	1,000	N	<500	N	N
C1078KN	38 32 0	119 40 0	.50	1.50	20.0	>2.0	1,000	N	500	N	50
C1100KN	38 24 32	119 47 23	.50	.10	15.0	>2.0	1,000	N	N	N	N
C1101KN	38 23 16	119 49 13	.50	.20	10.0	>2.0	1,000	N	N	N	N
C1102KN	38 22 13	119 51 27	.20	.50	15.0	>2.0	1,000	N	N	N	N
C1103KN	38 19 32	119 42 0	7.00	5.00	10.0	>2.0	1,000	N	N	N	<20
C1104KN	38 19 32	119 41 14	.20	.10	15.0	>2.0	1,000	N	N	N	N
C1105KN	38 19 32	119 41 0	.70	2.00	15.0	>2.0	1,000	N	N	N	N
C1106KN	38 19 25	119 41 0	2.00	3.00	15.0	>2.0	700	N	N	N	N
C1107KN	38 20 13	119 39 8	1.50	1.00	10.0	>2.0	700	N	N	N	<20
C1108KN	38 19 38	119 37 46	3.00	10.00	20.0	1.0	2,000	N	N	N	N
C1109KN	38 18 35	119 37 15	3.00	10.00	20.0	.5	1,500	N	N	N	<20
C1110KN	38 18 29	119 37 15	5.00	10.00	20.0	.5	1,500	N	N	50	<20
C1111KN	38 18 50	119 36 26	3.00	7.00	15.0	1.0	1,500	N	N	N	N
C1112KN	38 17 5	119 36 45	5.00	10.00	20.0	.5	1,000	N	N	N	<20

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Ba-ppm s	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
CI047KN	500	N	N	10	500	<10	500	<10	50	20	<20
CI048KN	300	3	N	20	200	15	700	N	<50	20	30
CI049KN	100	N	N	20	300	<10	700	10	70	50	50
CI050KN	1,000	N	N	30	300	30	300	<10	N	50	100
CI051KN	300	3	N	15	300	10	500	15	50	N	50
CI052KN	>10,000	3	N	30	50	20	700	<10	50	N	50
CI053KN	700	N	N	20	1,000	<10	1,000	<10	50	50	N
CI054KN	200	2	N	30	200	10	700	15	50	N	30
CI055KN	7,000	2	N	20	50	100	500	10	50	N	70
CI056KN	1,000	<2	N	10	70	<10	700	50	50	N	50
CI057KN	300	<2	N	15	300	N	700	15	100	N	20
CI058KN	100	<2	N	<10	150	N	700	10	150	15	50
CI059KN	150	N	N	20	500	<10	700	15	100	50	30
CI060KN	50	N	N	<10	20	<10	1,000	30	100	N	20
CI061KN	N	N	N	10	100	N	1,000	50	150	N	20
CI062KN	150	N	N	15	200	<10	500	15	70	20	20
CI063KN	100	N	N	15	150	<10	700	30	150	N	30
CI064KN	N	N	N	<10	20	N	1,000	50	150	N	20
CI065KN	<50	N	N	10	20	N	1,000	30	150	N	20
CI066KN	100	N	N	10	100	<10	1,000	30	100	N	30
CI067KN	200	2	N	<10	70	<10	700	15	50	N	30
CI068KN	<50	N	N	10	20	<10	1,000	20	100	N	20
CI069KN	100	2	N	10	50	<10	700	15	50	N	30
CI070KN	50	N	N	10	200	<10	700	15	70	N	20
CI071KN	100	<2	N	<10	50	<10	1,000	20	50	N	30
CI072KN	3,000	2	N	10	20	70	500	20	50	N	30
CI073KN	700	3	N	10	50	10	500	10	50	N	30
CI074KN	7,000	3	N	30	150	300	500	100	<50	N	100
CI075KN	300	2	N	15	150	<10	1,000	20	70	N	30
CI076KN	50	N	N	30	700	<10	500	15	100	150	N
CI077KN	100	5	N	15	500	15	1,000	<10	70	30	100
CI078KN	150	7	N	20	300	15	1,000	10	50	<10	100
CI100KN	<50	N	N	10	50	10	1,000	15	100	N	30
CI101KN	50	2	N	15	50	10	1,000	10	70	N	70
CI102KN	150	<2	N	10	100	<10	700	20	150	N	20
CI103KN	100	<2	N	20	700	10	500	15	70	150	20
CI104KN	50	N	N	<10	20	<10	1,500	20	100	N	20
CI105KN	500	5	N	20	200	10	1,000	50	50	50	30
CI106KN	3,000	2	N	20	30	150	500	50	50	70	<20
CI107KN	70	2	N	20	200	15	1,000	20	100	30	20
CI108KN	3,000	N	N	50	1,000	15	200	N	N	150	N
CI109KN	3,000	<2	N	50	1,000	15	150	N	N	200	<20
CI110KN	3,000	N	N	30	1,000	70	100	N	N	200	<20
CI111KN	2,000	<2	N	20	700	15	100	N	N	100	30
CI112KN	1,500	<2	N	50	1,000	15	200	N	N	200	N

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

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
C1047KN	N	20	N	<200	200	N	150	2,000	1,000
C1048KN	N	50	N	700	200	N	500	>2,000	2,000
C1049KN	N	50	20	500	150	N	300	700	1,500
C1050KN	N	50	N	300	150	N	200	>2,000	2,000
C1051KN	N	50	<20	500	150	N	300	>2,000	3,000
C1052KN	N	50	20	1,000	100	N	700	>2,000	>5,000
C1053KN	N	70	20	200	200	N	500	>2,000	1,000
C1054KN	N	30	20	200	200	N	500	>2,000	3,000
C1055KN	N	20	N	700	150	N	150	>2,000	2,000
C1056KN	N	50	30	200	200	<100	500	>2,000	2,000
C1057KN	N	50	30	500	200	N	300	>2,000	500
C1058KN	N	70	70	N	200	N	2,000	>2,000	500
C1059KN	N	70	20	300	200	N	200	>2,000	1,000
C1060KN	N	20	20	N	300	N	500	2,000	1,500
C1061KN	N	30	20	N	300	<100	300	2,000	1,500
C1062KN	N	50	20	200	200	N	300	>2,000	1,000
C1063KN	N	30	20	200	200	N	300	1,500	3,000
C1064KN	N	20	20	N	200	<100	300	2,000	1,000
C1065KN	N	30	30	N	300	N	500	2,000	1,500
C1066KN	N	20	20	N	200	<100	200	>2,000	2,000
C1067KN	N	20	20	500	200	N	300	>2,000	1,000
C1068KN	N	20	20	N	300	<100	300	2,000	700
C1069KN	N	20	20	200	150	N	200	>2,000	2,000
C1070KN	N	30	20	<200	200	N	200	>2,000	1,000
C1071KN	N	20	20	<200	200	<100	300	>2,000	2,000
C1072KN	N	10	<20	500	150	100	200	>2,000	3,000
C1073KN	N	15	<20	500	200	N	200	>2,000	2,000
C1074KN	N	20	N	500	150	200	300	>2,000	3,000
C1075KN	N	50	<20	300	200	N	500	2,000	2,000
C1076KN	N	70	<20	<200	200	N	200	2,000	700
C1077KN	N	70	20	500	150	N	500	100	>5,000
C1078KN	N	100	20	500	300	N	700	>2,000	>5,000
C1100KN	N	50	30	N	300	N	500	1,000	5,000
C1101KN	N	50	20	N	300	N	500	2,000	>5,000
C1102KN	N	20	20	<200	200	N	200	2,000	1,000
C1103KN	N	50	20	200	300	N	200	700	500
C1104KN	N	50	30	N	200	<100	500	500	1,000
C1105KN	N	50	20	500	200	200	500	2,000	5,000
C1106KN	N	70	N	300	200	150	300	1,500	5,000
C1107KN	N	70	<20	200	200	100	500	>2,000	5,000
C1108KN	N	100	N	300	300	N	150	1,500	<500
C1109KN	N	100	N	300	200	N	70	300	N
C1110KN	N	100	N	300	300	N	50	200	<500
C1111KN	N	70	N	700	200	N	200	>2,000	500
C1112KN	N	100	N	200	200	N	100	>2,000	<500

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm ppm	Ag-ppm ppm	As-ppm ppm	Au-ppm ppm	B-ppm ppm
CI113KN	38 32 25	119 39 32	.50	5.00	20.0	>2.0	1,000	N	<500	N	N
CI114KN	38 32 20	119 39 35	.50	1.50	20.0	>2.0	1,000	N	2,000	N	<20
CI115KN	38 33 26	119 38 0	.30	1.50	15.0	>2.0	1,000	N	<500	N	N
CI116KN	38 33 31	119 37 43	.70	1.50	15.0	2.0	700	N	N	N	N
CI117KN	38 34 14	119 36 44	.70	.20	7.0	.5	500	N	N	N	N
CI118KN	38 29 39	119 39 6	1.00	3.00	10.0	>2.0	2,000	N	N	N	N
CI119KN	38 29 15	119 41 9	.50	.50	20.0	>2.0	1,000	N	N	N	N
CI120KN	38 28 17	119 40 25	.50	1.50	20.0	2.0	700	N	N	N	N
CI121KN	38 25 33	119 39 39	.50	.70	15.0	>2.0	1,500	N	N	N	N
CI122KN	38 24 13	119 39 12	.30	.20	15.0	>2.0	1,000	N	N	N	N
CI123KN	38 24 4	119 39 18	.70	3.00	15.0	>2.0	700	N	N	N	N
CI124KN	38 23 14	119 38 32	1.00	5.00	20.0	>2.0	1,000	N	N	N	N
CI125KN	38 24 39	119 39 57	1.50	2.00	20.0	>2.0	1,000	N	N	N	N
CI126KN	38 26 28	119 37 11	.15	.50	7.0	2.0	500	N	<500	N	<20
CI127KN	38 26 21	119 37 10	.50	1.00	15.0	>2.0	3,000	N	N	N	N
CI128KN	38 27 55	119 36 40	.30	.10	15.0	2.0	1,000	N	700	N	N
CI129KN	38 28 19	119 36 53	.15	.10	10.0	>2.0	300	N	N	N	N
CI130KN	38 28 26	119 37 14	.50	.70	15.0	>2.0	1,000	N	N	N	N
CI131KN	38 29 36	119 44 21	2.00	5.00	10.0	.5	700	N	N	N	20
CI132KN	38 29 36	119 44 34	3.00	7.00	20.0	.3	700	N	N	N	N
CI133KN	38 29 59	119 44 28	3.00	10.00	50.0	.7	2,000	N	N	N	<20
CI134KN	38 25 38	119 42 12	.50	1.00	15.0	>2.0	1,500	N	N	N	N
CI135KN	38 25 36	119 42 3	.15	.10	7.0	2.0	300	N	N	N	N
CI136KN	38 22 40	119 41 40	.70	2.00	15.0	>2.0	500	N	N	N	N
CI137KN	38 22 15	119 41 27	1.00	5.00	20.0	>2.0	700	N	<500	N	N
CI138KN	38 22 16	119 41 12	.15	1.00	10.0	2.0	300	N	500	N	N
CI139KN	38 27 6	119 45 40	5.00	10.00	50.0	.7	1,500	N	N	N	<20
CI140KN	38 27 5	119 45 53	1.00	5.00	15.0	>2.0	1,000	N	N	N	<20
CI141KN	38 26 13	119 45 3	1.00	5.00	15.0	2.0	500	N	N	N	N
CI142KN	38 25 21	119 48 57	.50	.20	15.0	>2.0	1,000	N	<500	N	N
CI143KN	38 25 27	119 49 12	.70	2.00	15.0	>2.0	500	N	N	N	N
CI144KN	38 25 32	119 49 22	.50	.15	15.0	>2.0	1,000	N	N	N	<20
CI145KN	38 25 34	119 49 10	3.00	<.05	10.0	>2.0	500	N	N	N	20
CI146KN	38 25 49	119 48 34	1.00	1.00	15.0	>2.0	500	N	500	N	20
CI147KN	38 25 47	119 48 28	.50	1.00	15.0	>2.0	500	N	<500	N	N
CI148KN	38 26 3	119 52 35	.20	.20	10.0	>2.0	500	N	N	N	N
CI149KN	38 22 10	119 54 44	.20	.15	15.0	>2.0	700	N	N	N	N
CI150KN	38 22 7	119 54 36	.30	.50	10.0	<1.0	500	N	N	N	N
CI151KN	38 24 42	119 56 20	.50	.50	15.0	>2.0	700	N	N	N	N
CI152KN	38 24 45	119 56 27	.20	.05	15.0	>2.0	700	N	N	N	N
CI153KN	38 25 38	119 56 58	.20	.05	15.0	>2.0	500	N	N	N	N
CI154KN	38 25 38	119 56 48	.20	<.05	10.0	>2.0	500	N	N	N	100
CI155KN	38 26 49	119 56 37	.10	<.05	15.0	>2.0	700	N	N	N	N
CI156KN	38 26 49	119 56 31	.20	.10	15.0	>2.0	700	N	N	N	N
CI157KN	38 28 11	119 56 42	.10	<.05	10.0	>2.0	500	N	N	N	20

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Ba-ppm s	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
CI113KN	100	5	N	30	500	15	1,000	<10	70	20	50
CI114KN	1,500	7	N	50	500	20	1,000	30	50	15	200
CI115KN	200	10	N	20	300	10	1,000	10	50	N	100
CI116KN	200	3	N	15	200	10	500	<10	150	30	30
CI117KN	300	3	N	10	300	10	150	N	N	20	50
CI118KN	50	N	N	20		<10	1,000	20	200	30	20
CI119KN	50	2	N	15	150	10	1,000	15	100	N	30
CI120KN	200	5	N	20	200	10	1,000	<10	50	20	150
CI121KN	100	2	N	30	200	20	1,000	15	200	N	150
CI122KN	50	3	N	15	70	10	1,000	<10	100	V	50
CI123KN	70	N	N	20	500	<10	1,000	15	100	50	50
CI124KN	50	<2	200	20	700	<10	700	10	100	100	50
CI125KN	50	3	N	30	300	10	1,000	10	150	100	50
CI126KN	150	2	N	30	100	10	700	N	200	V	100
CI127KN	300	2	N	20	150	10	1,500	<10	200	30	50
CI128KN	200	5	N	50	50	20	1,500	N	200	V	200
CI129KN	300	3	N	15	<20	10	700	10	70	<10	70
CI130KN	100	2	N	30	200	15	1,000	<10	200	V	100
CI131KN	200	N	N	20	500	<10	100	N	<50	50	N
CI132KN	200	N	N	50	1,000	<10	<50	N	N	50	N
CI133KN	100	N	N	20	1,500	<10	100	N	<50	100	20
CI134KN	70	2	N	20	200	15	1,000	10	100	V	150
CI135KN	50	<2	N	15	50	10	700	N	70	N	50
CI136KN	300	<2	N	20	300	10	1,000	15	70	50	20
CI137KN	7,000	<2	N	20	300	10	700	70	50	20	50
CI138KN	200	2	N	30	200	15	1,000	70	50	20	70
CI139KN	700	N	N	30	1,500	<10	50	N	N	100	N
CI140KN	200	N	N	30	700	10	700	10	50	70	20
CI141KN	<50	<2	N	30	700	<10	500	N	50	50	<20
CI142KN	50	2	N	20	30	10	1,000	20	70	N	50
CI143KN	100	N	N	20	300	10	700	20	100	20	30
CI144KN	70	3	N	20	20	15	1,000	<10	50	N	50
CI145KN	300	N	N	15	<20	<10	1,000	<10	<50	V	70
CI146KN	500	3	N	30	200	20	1,000	20	70	20	50
CI147KN	70	3	N	30	300	15	1,000	15	100	20	70
CI148KN	300	N	N	20	50	<10	700	100	50	N	30
CI149KN	50	N	N	15	50	<10	1,000	30	100	N	30
CI150KN	50	N	N	10	150	N	700	30	50	N	N
CI151KN	50	N	N	15	150	<10	1,000	20	100	N	20
CI152KN	70	N	N	20	20	10	1,000	30	150	N	50
CI153KN	<50	N	N	20	20	<10	1,000	30	100	N	50
CI154KN	<50	N	N	15	20	<10	1,000	50	100	V	30
CI155KN	N	N	N	20	20	20	1,500	50	200	<10	20
CI156KN	50	N	N	15	20	N	1,000	50	150	V	50
CI157KN	<50	N	N	15	20	N	1,500	20	100	<10	20

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

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
CI113KN	N	100	30	N	200	<100	1,000	>2,000	>5,000
CI114KN	N	150	30	300	200		1,000	>2,000	>5,000
CI115KN	N	70	20	500	300	N	500	>2,000	>5,000
CI116KN	N	50	<20	500	200	N	300	>2,000	2,000
CI117KN	N	20	N	1,000	100	N	150	1,000	1,500
CI118KN	N	70	50	N	300	N	500	700	2,000
CI119KN	N	50	20	N	200	N	300	1,500	5,000
CI120KN	N	50	20	700	150	N	500	700	5,000
CI121KN	N	70	50	500	300	100	500	700	>5,000
CI122KN	N	30	20	200	150	N	300	>2,000	5,000
CI123KN	N	50	50	<200	150	N	500	1,000	5,000
CI124KN	N	100	50	200	200	N	500	2,000	1,000
CI125KN	N	70	30	200	200	N	300	1,000	5,000
CI126KN	N	50	30	200	150	N	500	>2,000	>5,000
CI127KN	N	70	30	<200	200	N	500	1,000	>5,000
CI128KN	N	100	30	1,000	200	N	700	>2,000	>5,000
CI129KN	N	50	20	500	100	N	200	2,000	>5,000
CI130KN	N	100	50	500	200	N	500	>2,000	>5,000
CI131KN	N	70	N	700	150	N	100	500	<500
CI132KN	N	100	N	200	200	N	20	300	N
CI133KN	N	150	N	500	200	N	100	1,000	<500
CI134KN	N	50	30	200	200	N	300	500	>5,000
CI135KN	N	10	<20	200	100	N	300	2,000	>5,000
CI136KN	N	70	20	500	200	<100	300	1,000	3,000
CI137KN	N	100	20	500	150	200	500	2,000	>5,000
CI138KN	N	30	20	500	100	300	300	1,000	>5,000
CI139KN	N	150	N	200	500	N	50	200	<500
CI140KN	N	100	20	200	200	N	500	2,000	>5,000
CI141KN	N	70	<20	200	150	N	200	700	5,000
CI142KN	N	50	20	N	200	N	500	2,000	>5,000
CI143KN	N	70	20	200	200	N	300	2,000	5,000
CI144KN	N	50	20	<200	200	N	700	1,000	5,000
CI145KN	N	15	20	<200	200	N	500	1,000	5,000
CI146KN	N	50	<20	500	200	<100	500	2,000	>5,000
CI147KN	N	50	30	200	200	N	700	1,500	>5,000
CI148KN	N	20	20	500	200	100	300	>2,000	5,000
CI149KN	N	30	50	<200	300	N	500	2,000	2,000
CI150KN	N	20	20	N	200	N	300	300	1,500
CI151KN	N	50	20	N	200	N	200	>2,000	2,000
CI152KN	N	30	50	N	300	N	300	500	5,000
CI153KN	N	30	30	N	200	N	500	>2,000	3,000
CI154KN	N	20	30	N	200	N	500	700	3,000
CI155KN	N	30	50	N	300	N	700	1,500	1,000
CI156KN	N	20	30	N	500	<100	500	2,000	1,500
CI157KN	N	30	20	N	300	<100	700	2,000	1,500

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake 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	Au-ppm s	B-ppm s
CI158KN	38 28 14	119 56 49	.20	1.00	1.5	.7	200	N	N	N	20
CI159KN	38 29 20	119 56 4	.70	1.50	10.0	>2.0	1,000	N	N	N	20
CI160KN	38 29 23	119 55 55	.20	.30	7.0	>2.0	500	N	N	N	N
CI161KN	38 29 23	119 55 12	.20	.15	10.0	>2.0	500	N	N	N	N
CI162KN	38 29 19	119 55 8	.20	.10	15.0	>2.0	700	N	N	N	N
CI163KN	38 29 42	119 53 31	.20	1.00	7.0	>2.0	500	<1.0	N	N	N
CI164KN	38 36 10	119 43 58	2.00	7.00	20.0	.5	1,000	N	N	N	N
HV9087KN	38 16 59	119 36 27	3.00	3.00	10.0	.5	1,500	N	N	N	200
HV9088KN	38 17 12	119 36 11	3.00	7.00	10.0	.7	1,000	N	N	N	50
HV9090KN	38 17 42	119 36 9	3.00	7.00	10.0	1.0	2,000	N	N	N	100
HV9091KN	38 18 31	119 35 27	2.00	7.00	15.0	1.0	3,000	N	N	N	<20
HV9092KN	38 18 24	119 35 25	3.00	5.00	10.0	2.0	1,000	N	N	N	50
HV9186KN	38 17 42	119 36 4	3.00	5.00	7.0	2.0	1,000	N	N	N	100
HV9187KN	38 16 57	119 36 23	2.00	7.00	10.0	1.0	1,000	N	N	N	20
WL0463KN	38 34 25	119 37 52	.70	3.00	10.0	>2.0	1,000	N	500	N	50
WL0464KN	38 32 58	119 36 38	1.00	1.50	10.0	>2.0	1,000	N	N	N	N
WL0466KN	38 29 8	119 56 38	1.00	3.00	7.0	>2.0	1,000	N	N	N	50
WL0467KN	38 29 12	119 56 44	2.00	5.00	7.0	1.0	1,000	N	N	N	100
WL0468KN	38 26 31	119 59 8	.00	2.00	5.0	>2.0	1,000	N	N	N	<20
WL0469KN	38 27 4	119 59 27	.50	.50	5.0	>2.0	1,000	N	N	N	200
WL0470KN	38 24 32	119 57 59	.20	<.05	5.0	>2.0	700	N	N	N	20
WL0471KN	38 24 27	119 57 50	.50	.05	7.0	>2.0	1,000	N	N	N	N
WL0472KN	38 24 15	119 57 31	.50	1.00	10.0	>2.0	1,000	N	N	N	50
WL0473KN	38 26 44	119 51 25	1.50	.70	7.0	>2.0	1,000	N	N	N	N
WL0474KN	38 26 48	119 51 31	.50	.50	7.0	>2.0	1,000	N	N	N	N
WL0475KN	38 25 53	119 52 33	1.50	2.00	5.0	>2.0	1,000	N	N	N	N
WL0476KN	38 26 18	119 53 48	.50	.10	10.0	>2.0	1,000	N	N	N	N
WL0477KN	38 21 10	119 56 25	1.50	3.00	7.0	>2.0	1,500	N	N	N	N
WL0478KN	38 21 15	119 56 25	.50	1.50	5.0	>2.0	1,000	N	700	N	N
WL0489KN	38 25 24	119 48 48	1.00	1.50	5.0	>2.0	1,000	N	N	N	N
WL0490KN	38 25 28	119 48 41	1.00	1.00	5.0	>2.0	700	N	N	N	N
WL0491KN	38 24 27	119 41 51	.50	.70	7.0	>2.0	1,000	N	<500	N	N
WL0492KN	38 25 9	119 42 20	.50	2.00	7.0	>2.0	1,000	N	N	N	N
WL0518KN	38 21 45	119 54 8	.50	1.00	5.0	>2.0	1,000	N	N	N	N
WL0519KN	38 22 0	119 53 20	.70	5.00	7.0	>2.0	1,000	N	N	N	N
WL0520KN	38 22 6	119 52 25	.20	.20	5.0	>2.0	1,000	N	N	N	50
WL0521KN	38 22 57	119 49 45	.70	.20	5.0	>2.0	1,000	N	N	N	N
WL0522KN	38 23 24	119 48 6	.70	1.00	3.0	>2.0	1,000	N	N	N	70
WL0523KN	38 24 8	119 46 28	.70	2.00	5	>2.0	1,000	N	N	N	N
WL0524KN	38 25 8	119 45 2	.50	.05	5	>2.0	700	N	N	N	N
WL0525KN	38 24 56	119 43 56	.70	3.00	5.0	>2.0	1,500	N	N	N	N
WL0526KN	38 20 27	119 48 22	.50	.10	5.0	>2.0	700	N	N	N	N
WL0527KN	38 20 36	119 47 15	.50	.10	3.0	>2.0	1,000	N	N	N	N
WL0528KN	38 20 22	119 46 37	.70	3.00	5.0	>2.0	1,000	N	N	N	N
WL0529KN	38 20 6	119 45 48	.50	.10	7.0	>2.0	700	N	N	N	N

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Ba-ppm s	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
CI158KN	300	<2	N	N	70	N	500	N	50	N	<20
CI159KN	70	N	N	10	200	N	700	20	200	20	<20
CI160KN	N	N	N	20	100	N	500	30	150	N	<20
CI161KN	N	N	N	15	30	N	700	50	200	10	20
CI162KN	<50	N	N	10	20	N	700	20	300	10	<20
CI163KN	N	N	N	<10	100	N	700	50	100	N	<20
CI164KN	70	N	N	20	1,000	<10	<50	N	<50	150	N
HV9087KN	200	<2	N	10	1,000	20	100	N	N	100	300
HV9088KN	700	<2	N	20	1,000	20	50	<10	N	150	50
HV9090KN	1,000	<2	N	15	1,000	15	150	N	N	150	300
HV9091KN	700	N	N	15	1,000	20	200	N	N	150	20
HV9092KN	5,000	<2	N	20	700	50	300	<10	50	100	150
HV9186KN	5,000	<2	N	20	1,500	20	300	<10	<50	100	50
HV9187KN	700	N	N	15	1,500	15	100	<10	N	150	20
WL0463KN	200	<2	N	20	1,000	20	700	<10	<50	50	100
WL0464KN	100	N	N	15	200	10	700	10	50	<10	50
WL0466KN	200	N	N	15	200	N	500	15	100	20	30
WL0467KN	100	N	N	15	1,000	10	1,000	<10	<50	100	<20
WL0468KN	50	N	N	10	200	<10	700	10	50	20	20
WL0469KN	50	N	20	10	100	<10	500	20	70	<10	100
WL0470KN	50	N	N	<10	20	<10	1,000	20	150	20	20
WL0471KN	50	N	N	<10	30	N	700	50	100	<10	<20
WL0472KN	100	N	N	10	100	<10	500	20	50	20	50
WL0473KN	2,000	N	N	20	30	10	500	100	50	N	70
WL0474KN	100	N	N	15	150	10	500	20	<50	<10	30
WL0475KN	200	N	N	15	200	<10	500	50	50	20	30
WL0476KN	100	N	N	10	20	<10	700	50	50	<10	50
WL0477KN	150	N	N	10	500	<10	500	10	70	20	<20
WL0478KN	100	N	N	10	200	<10	500	50	70	<10	<20
WL0489KN	300	N	N	10	100	<10	500	10	70	<10	20
WL0490KN	1,000	N	N	10	200	10	500	20	50	20	30
WL0491KN	150	N	N	15	150	10	700	50	50	<10	50
WL0492KN	50	N	N	15	300	10	700	<10	100	<10	50
WL0518KN	100	N	N	10	150	10	500	50	100	N	30
WL0519KN	150	N	N	20	1,000	<10	300	20	50	<10	30
WL0520KN	100	N	N	10	50	<10	500	10	<50	N	50
WL0521KN	150	N	N	10	70	<10	700	10	70	<10	50
WL0522KN	150	N	N	10	200	<10	500	20	50	<10	20
WL0523KN	100	N	N	15	200	<10	700	15	70	<10	20
WL0524KN	300	<2	N	<10	50	<10	300	10	50	<10	20
WL0525KN	200	<2	N	10	300	<10	500	10	50	<10	20
WL0526KN	100	<2	N	10	<20	<10	500	10	70	<10	<20
WL0527KN	500	<2	N	10	30	<10	500	10	100	<10	<20
WL0528KN	70	N	N	15	700	15	500	10	50	<10	20
WL0529KN	100	<2	N	15	20	10	500	15	70	<10	50

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

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
CI158KN	N	10	<20	200	70	N	150	500	<500
CI159KN	N	30	50	N	200	100	500	2,000	700
CI160KN	N	20	70	N	200	150	1,000	1,000	<500
CI161KN	N	20	70	N	200	100	1,500	500	<500
CI162KN	N	20	70	N	300	100	2,000	1,500	<500
CI163KN	N	20	20	N	300	N	300	500	500
CI164KN	N	100	N	200	200	N	50	500	N
HV9087KN	N	70	N	700	300	N	50	2,000	N
HV9088KN	N	100	N	500	500	N	50	1,500	N
HV9090KN	N	100	N	500	500	N	100	2,000	<500
HV9091KN	N	100	N	500	500	N	100	2,000	N
HV9092KN	N	70	N	500	300	<100	150	>2,000	1,000
HV9186KN	N	70	<20	1,000	500	N	200	2,000	1,500
HV9187KN	N	70	50	300	500	N	70	2,000	<500
WL0463KN	N	50	100	500	300	N	500	>2,000	>5,000
WL0464KN	N	50	70	200	300	N	200	2,000	5,000
WL0466KN	N	50	100	<200	300	N	700	>2,000	<500
WL0467KN	N	100	30	200	300	N	100	2,000	<500
WL0468KN	N	70	70	<200	300	N	500	>2,000	1,500
WL0469KN	N	50	70	N	500	N	300	>2,000	700
WL0470KN	N	30	50	N	300	N	300	>2,000	1,000
WL0471KN	N	20	70	N	500	N	500	>2,000	1,000
WL0472KN	N	30	50	<200	500	N	200	>2,000	1,500
WL0473KN	N	30	30	N	300	200	300	>2,000	5,000
WL0474KN	N	50	20	200	300	N	200	>2,000	5,000
WL0475KN	N	50	30	200	500	<100	200	2,000	2,000
WL0476KN	N	30	70	<200	500	100	200	>2,000	2,000
WL0477KN	N	100	30	200	500	N	300	1,500	<500
WL0478KN	N	70	30	200	500	N	200	2,000	1,000
WL0489KN	N	50	30	200	500	N	200	>2,000	2,000
WL0490KN	N	30	30	300	500	N	300	>2,000	5,000
WL0491KN	N	50	20	300	300	200	300	>2,000	>5,000
WL0492KN	N	50	50	300	300	N	200	>2,000	>5,000
WL0518KN	N	50	70	<200	500	N	200	>2,000	2,000
WL0519KN	N	50	70	200	300	N	150	>2,000	500
WL0520KN	N	20	50	N	500	N	200	>2,000	1,000
WL0521KN	N	20	100	N	150	N	300	2,000	1,500
WL0522KN	N	30	30	500	150	N	200	1,500	1,000
WL0523KN	N	70	70	200	500	N	300	2,000	1,000
WL0524KN	N	20	20	700	200	N	100	1,500	1,000
WL0525KN	N	70	50	300	300	N	150	1,000	500
WL0526KN	N	20	50	500	300	N	200	2,000	1,500
WL0527KN	N	20	70	500	300	N	300	2,000	1,500
WL0528KN	N	70	70	200	300	N	200	2,000	500
WL0529KN	N	30	50	200	300	<100	300	2,000	>5,000

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
WL0530KN	38 18 43	119 44 33	1.00	5.00	7.0	>2.0	1,500	N	N	N	<20
WL0531KN	38 19 5	119 39 43	1.00	3.00	10.0	2.0	1,000	N	N	N	<20
WL0532KN	38 18 45	119 36 19	1.00	3.00	5.0	1.5	1,500	N	N	N	50
WL0556KN	38 26 51	119 40 11	.50	2.00	7.0	>2.0	1,500	N	N	N	N
WL0557KN	38 27 3	119 39 57	.50	.10	5.0	>2.0	3,000	N	N	N	<20
WL0558KN	38 28 19	119 40 38	.20	.10	15.0	1.5	1,000	N	N	N	N
WL0559KN	38 29 52	119 41 5	.30	.20	2.0	2.0	500	N	N	N	N
WL0560KN	38 30 37	119 39 5	1.00	3.00	5.0	>2.0	1,500	N	N	N	N
WL0561KN	38 32 18	119 39 24	.70	.30	7.0	>2.0	1,000	N	500	N	N
WL0562KN	38 32 14	119 39 25	1.50	.50	5.0	>2.0	1,000	N	N	N	N
WL0563KN	38 31 57	119 35 37	.50	1.00	5.0	>2.0	1,000	N	700	N	200
WL0564KN	38 31 59	119 35 27	.50	.20	5.0	2.0	1,500	N	N	N	30
WL0572KN	38 26 42	119 35 37	1.50	5.00	7.0	2.0	1,500	N	N	N	N
WL0573KN	38 27 0	119 36 3	1.00	2.00	5.0	>2.0	1,500	N	500	N	50
WL0574KN	38 29 23	119 36 27	.50	.50	5.0	>2.0	1,000	N	500	N	N
WL0575KN	38 29 22	119 36 20	1.00	3.00	5.0	>2.0	1,500	N	N	N	N
WL0576KN	38 29 38	119 35 49	.50	<.05	5.0	>2.0	1,000	N	N	N	N
WL0577KN	38 29 43	119 35 49	.20	<.05	2.0	1.5	500	N	N	N	N
WL0578KN	38 31 5	119 43 45	1.50	3.00	3.0	1.5	700	N	N	N	N
WL0579KN	38 31 9	119 43 49	.70	.70	5.0	>2.0	700	N	N	N	N
WL0580KN	38 31 36	119 43 6	1.50	5.00	7.0	1.5	1,500	N	N	N	<20
WL0581KN	38 33 39	119 42 29	1.50	7.00	5.0	1.5	1,000	N	N	N	20
WL0582KN	38 36 59	119 41 41	5.00	3.00	5.0	.2	2,000	10.0	N	N	<20
WL0583KN	38 36 22	119 40 43	.70	1.00	5.0	.7	500	N	N	N	N
WL0598KN	38 31 20	119 48 47	.50	.10	10.0	>2.0	1,000	N	N	N	N
WL0599KN	38 31 22	119 48 37	2.00	2.00	5.0	>2.0	700	N	N	N	<20
WL0600KN	38 32 48	119 46 55	5.00	5.00	10.0	1.0	1,500	N	N	N	30
WL0601KN	38 32 48	119 47 3	1.50	5.00	10.0	2.0	1,500	N	N	N	N
WL0611KN	38 28 56	119 59 12	2.00	5.00	10.0	>2.0	1,500	N	N	N	50
WL0614KN	38 32 22	119 52 40	.50	.70	7.0	>2.0	1,000	N	N	N	N
WL0616KN	38 34 50	119 48 5	2.00	3.00	7.0	>2.0	1,000	N	N	N	<20
WL0617KN	38 34 58	119 47 11	3.00	5.00	7.0	>2.0	1,000	<1.0	N	N	N
WL0618KN	38 34 59	119 47 3	3.00	5.00	10.0	.7	1,000	N	N	N	<20
WL0619KN	38 35 2	119 46 55	5.00	5.00	10.0	1.5	1,500	50.0	N	N	<20
WL0621KN	38 35 56	119 46 49	3.00	5.00	10.0	2.0	1,000	1.5	N	N	50
WL0622KN	38 36 32	119 45 58	2.00	3.00	5.0	>2.0	1,000	7.0	N	N	<20
WL0623KN	38 36 34	119 45 46	3.00	5.00	10.0	1.0	1,000	N	N	N	N
WL0624KN	38 36 58	119 44 56	3.00	5.00	10.0	1.0	1,000	N	N	N	<20
WL0625KN	38 37 5	119 44 22	3.00	5.00	7.0	1.5	1,000	N	N	N	<20
WL0750KN	38 37 0	119 42 42	2.00	3.00	7.0	.5	1,500	N	N	N	<20
WL0751KN	38 35 48	119 41 32	1.50	3.00	10.0	1.5	1,000	N	N	N	20

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

Sample	Ba-ppm s	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
WL0530KN	3,000	N	N	20	300	30	700	15	50	30	70
WL0531KN	3,000	N	N	20	50	50	500	<10	<50	100	30
WL0532KN	5,000	N	N	15	700	15	500	N	<50	70	70
WL0556KN	500	N	N	15	200	10	700	<10	100	20	100
WL0557KN	150	<2	N	15	30	15	500	<10	70	<10	100
WL0558KN	200	N	N	<10	50	10	700	N	<50	N	30
WL0559KN	150	<2	N	<10	50	10	300	N	50	<10	N
WL0560KN	200	<2	N	20	700	15	700	N	50	30	50
WL0561KN	1,500	N	N	20	50	15	500	<10	100	<10	70
WL0562KN	150	<2	N	10	100	10	500	10	100	<10	30
WL0563KN	1,000	2	N	50	150	20	1,000	N	100	<10	150
WL0564KN	70	<2	N	<10	50	<10	300	15	100	<10	N
WL0572KN	100	N	N	20	1,000	10	500	<10	100	150	30
WL0573KN	300	2	N	30	150	15	1,000	<10	100	50	100
WL0574KN	200	2	N	20	150	15	500	N	150	<10	70
WL0575KN	200	<2	N	20	500	15	700	<10	50	50	50
WL0576KN	N	<2	N	15	20	10	700	10	150	<10	20
WL0577KN	150	N	N	10	<20	<10	500	N	100	<10	50
WL0578KN	200	<2	N	10	700	10	200	N	<50	20	N
WL0579KN	500	<2	N	10	150	N	500	10	100	<10	N
WL0580KN	300	N	N	20	1,000	20	500	N	<50	150	20
WL0581KN	500	N	N	20	1,500	<10	300	N	N	100	<20
WL0582KN	>10,000	<2	N	50	100	150	70	<10	N	30	150
WL0583KN	>10,000	N	N	10	70	20	150	N	<50	N	N
WL0598KN	200	<2	N	10	50	10	500	10	<50	20	50
WL0599KN	5,000	<2	N	20	500	10	500	20	70	70	50
WL0600KN	5,000	N	N	30	1,000	10	50	N	N	200	20
WL0601KN	500	N	N	30	1,500	15	100	N	N	150	N
WL0611KN	1,500	N	N	15	1,000	<10	300	10	100	70	20
WL0614KN	100	<2	N	10	70	<10	500	50	100	<10	<20
WL0616KN	5,000	N	N	20	1,000	15	200	10	<50	70	<20
WL0617KN	10,000	N	N	30	1,500	20	200	20	<50	150	20
WL0618KN	10,000	N	N	20	1,000	10	<50	N	N	200	20
WL0619KN	5,000	<2	N	30	1,000	<10	300	<10	50	200	30
WL0621KN	5,000	N	N	30	1,500	50	100	10	N	100	50
WL0622KN	7,000	N	N	50	500	30	200	15	50	100	1,500
WL0623KN	>10,000	<2	N	20	2,000	10	70	N	<50	200	<20
WL0624KN	100	N	N	20	1,000	10	50	N	N	200	<20
WL0625KN	1,500	N	N	20	1,500	15	70	N	N	300	N
WL0750KN	>10,000	N	N	20	1,000	10	N	N	N	70	20
WL0751KN	1,000	<2	N	20	1,000	20	500	<10	<50	50	20

Table 4.--Data for concentrate samples, Carson-Iceberg and Leavitt Lake Roadless Areas, California--continued

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
WL0530KN	N	70	70	500	500	<100	300	2,000	2,000
WL0531KN	N	70	20	500	300	100	200	1,500	2,000
WL0532KN	N	30	30	500	100	N	200	2,000	500
WL0556KN	N	50	70	500	300	N	300	>2,000	5,000
WL0557KN	N	70	70	<200	500	N	700	>2,000	5,000
WL0558KN	N	15	<20	500	150	N	200	2,000	2,000
WL0559KN	N	15	<20	700	100	N	150	2,000	2,000
WL0560KN	N	70	50	500	300	N	300	2,000	2,000
WL0561KN	N	70	50	300	300	N	500	2,000	>5,000
WL0562KN	N	30	50	200	300	N	300	1,500	3,000
WL0563KN	N	50	30	500	300	<100	1,000	>2,000	>5,000
WL0564KN	N	20	50	200	150	200	500	2,000	700
WL0572KN	N	70	70	200	500	<100	200	2,000	1,500
WL0573KN	N	70	70	500	500	N	500	2,000	>5,000
WL0574KN	N	70	30	700	500	N	500	>2,000	5,000
WL0575KN	N	70	50	500	300	N	300	2,000	2,000
WL0576KN	N	30	70	<200	300	100	300	2,000	5,000
WL0577KN	N	10	30	300	100	150	300	2,000	5,000
WL0578KN	N	30	20	1,000	150	N	100	1,500	<500
WL0579KN	N	20	50	300	300	N	500	2,000	500
WL0580KN	N	70	50	500	300	N	150	2,000	500
WL0581KN	N	100	50	300	300	<100	150	>2,000	500
WL0582KN	N	20	N	2,000	200	N	50	500	N
WL0583KN	N	10	N	5,000	100	N	100	2,000	500
WL0598KN	N	50	50	N	300	N	500	>2,000	3,000
WL0599KN	N	50	30	500	500	100	500	>2,000	5,000
WL0600KN	N	100	50	500	500	N	100	2,000	N
WL0601KN	N	150	50	200	500	N	70	700	<500
WL0611KN	N	100	50	200	300	<100	300	2,000	500
WL0614KN	N	30	70	N	500	200	300	>2,000	1,500
WL0616KN	N	100	30	500	200	N	100	2,000	1,500
WL0617KN	N	100	30	500	500	200	150	2,000	1,500
WL0618KN	N	150	50	1,000	300	N	70	700	N
WL0619KN	N	100	50	500	500	N	100	1,000	N
WL0621KN	N	100	50	200	300	N	100	1,000	1,000
WL0622KN	N	70	30	700	300	N	200	2,000	1,000
WL0623KN	N	100	50	1,000	500	N	70	2,000	N
WL0624KN	N	100	50	200	500	N	50	1,000	N
WL0625KN	N	100	N	500	500	N	50	1,500	N
WL0750KN	N	100	N	2,000	300	N	20	500	N
WL0751KN	N	100	20	700	200	N	500	2,000	5,000

DESCRIPTION OF TABLES 5-7

Tables 5, 6, and 7 give summary statistics for the analyses of the samples of rock, minus-60-mesh (0.25-mm) stream sediment, and nonmagnetic heavy-mineral concentrate listed in tables 2, 3, and 4, respectively. All values in the Range of values and Percentiles columns are significant to the number of digits shown. For uniformity, the values in the Geometric mean and Geometric deviation columns are all listed to two significant digits even though it is recognized that the second digit may not be truly significant for some elements. The geometric mean and geometric deviation for each element are calculated from the analyses remaining after all the "not detected" (N), "less than" (<), and "greater than" (>) values have been deleted for that element.

Table 5.--Summary statistics for the analyses of the 131 rock samples in table 3, Carson-Iceberg and Leavitt Lake Roadless Areas, California

[All concentrations are in parts per million except those for Fe, Mg, Ca, and Ti, which are in percent. "aa" following the element symbol indicates atomic absorption analysis; "cm" indicates colorimetric analysis; no element prefix indicates emission spectrographic analysis. "N" means not detected at the lower limit of determination shown in parentheses. Dashes (--) indicate insufficient reported values not qualified by N, <, or > to derive meaningful information]

Element	Range of values	Geometric		Percentiles				
		mean	deviation	50	75	90	95	98
Fe	0.2 - 10	1.5	2.2	1.5	3	3	5	7
Mg	<0.02 - 3	0.44	2.9	0.5	1	2	2	2
Ca	<0.05 - 10	1.3	2.4	1.5	2	5	5	7
Ti	0.02 - >1	0.26	2.0	0.3	0.5	0.5	0.7	0.7
Mn	N(10) -2000	450	2.2	500	700	1000	1500	2000
Ag	N(0.5) - 1.5	--	--	N(0.5)	N(0.5)	N(0.5)	N(0.5)	<0.5
B	N(10) - 70	13	1.5	<10	10	15	20	30
Ba	<20 -5000	730	2.2	700	1500	2000	2000	3000
Be	<1 - 3	1.2	1.3	1	1	1.5	2	3
Co	N(5) - 70	10	1.8	7	10	20	30	50
Cr	N(10) - 700	25	3.0	<10	15	50	50	300
Cu	N(5) - 70	11	2.1	5	10	20	30	50
La	N(20) - 100	37	1.5	30	50	50	70	70
Mo	N(5) - 7	--	--	N(5)	N(5)	N(5)	<5	5
Nb	N(20) - <20	--	--	N(20)	N(20)	N(20)	<20	<20
Ni	N(5) - 200	11	2.8	<5	5	20	50	150
Pb	10 - 100	37	1.6	50	50	70	70	100
Sc	(N)5 - 30	8.0	1.7	5	10	15	20	30
Sr	(N)100-2000	540	1.8	500	700	1000	1000	1000
V	<10 - 300	74	2.1	70	150	200	200	200
W	N(50) - <50	--	--	N(50)	N(50)	N(50)	N(50)	N(50)
Y	N(10) - 50	14	1.5	10	15	20	20	30
Zr	3N(10) - 500	68	2.0	70	100	150	150	300
Zn-aa	N(5) - 210	44	1.8	50	65	70	75	85
Cd-aa	N(0.05) - 0.5	0.14	2.0	0.05	0.25	0.25	0.30	0.30
Bi-aa	N(0.5) - 1.0	0.57	1.3	<0.5)	<0.5	0.5	0.5	1.0
Sb-aa	<1 - 5	1.4	1.5	1	2	2	2	4
As-cm	N(10) - 120	--	--	N(10)	N(10)	N(10)	<10	10

Table 6.--Summary statistics for the analyses of the 220 minus-60-mesh (0.25-mm) stream-sediment samples in table 3, Carson-Iceberg and Leavitt Lake Roadless Areas, California

[All concentrations are in parts per million except those for Fe, Mg, Ca, and Ti, which are in percent. "aa" following the element symbol indicates atomic absorption analysis; "cm" indicates colorimetric analysis; no element prefix indicates emission spectrography analysis. "N" means not detected at the lower limit of determination shown in parentheses. Only 3 samples were analyzed for Au; thus, Au is not listed below. Dashes (--) indicate insufficient reported values not qualified with N, <, or > to derive meaningful information]

Element	Range of values	Geometric		Percentiles				
		mean	deviation	50	75	90	95	98
Fe	0.3 - 20	3.2	1.9	3	5	7	10	10
Mg	0.1 - 3	0.85	2.0	1	1.5	2	2	2
Ca	0.5 - 7	1.7	1.9	2	3	3	5	5
Ti	0.1 - 1	0.51	1.6	0.5	0.7	1	1	1
Mn	150 -3000	650	1.7	700	1000	1000	1000	1500
Ag	N(0.5)-	--	--	N(0.5)	N(0.5)	N(0.5)	N(0.5)	N(0.5)
B	N(10) - 100	16	1.8	10	20	30	50	50
Ba	100 -1500	430	2.0	500	700	1000	1000	1500
Be	<1 - 7	1.4	1.6	1	1.5	3	3	5
Co	N(5) - 30	15	1.6	15	20	30	30	30
Cr	<10 - 500	51	2.4	50	100	150	200	200
Cu	<7 - 100	15	1.9	15	20	30	30	50
La	N(20) - 100	43	1.5	50	50	70	100	100
Mo	N(5)- 20	7.4	1.5	N(5)	N(5)	5	7	10
Nb	N(20)- 30	--	--	N(20)	N(20)	<20	<20	20
Ni	N(5)- 100	20	2.1	20	30	50	70	100
Pb	10 - 100	29	1.5	30	30	50	50	70
Sc	<5 - 50	12	1.6	15	15	20	20	30
Sr	200 -1500	510	1.6	500	700	1000	1000	1000
V	20 -1000	150	2.0	150	200	300	500	500
W	N(50) - 50	--	--	N(50)	N(50)	N(50)	N(50)	N(50)
Y	N(10) - 70	18	1.5	20	20	30	30	50
Zr	30 -1000	170	2.1	150	200	500	700	1000
Th	N(200) - 300	--	--	N(200)	N(200)	<200	<200	<200
Zn-aa	10 - 110	48	1.5	50	65	75	75	90
Cd-aa	N(0.05)- 0.55	0.14	1.8	0.10	0.20	0.30	0.30	0.35
Bi-aa	N(0.5)- 2.0	0.75	1.5	<0.5	<0.5	1.0	1.0	2.0
Sb-aa	N(1) - 10	1.8	1.6	1	2	2	3	4
As-cm	N(10)- 100	14	1.8	N(10)	<10	10	10	20

Table 7.--Summary statistics for the analyses of the 221 nonmagnetic heavy-mineral-concentrate samples in table 4, Carson-Iceberg and Leavitt Lake Roadless Areas, California

[All concentrations are in parts per million except those for Fe, Mg, Ca, and Ti, which are in percent. All analyses are by emission spectrography. "N" means not detected at the lower limit of determination shown in parentheses. Dashes (--) indicate insufficient reported values not qualified by N, <, or > to derive meaningful information]

Element	Range of values	Geometric		Percentiles				
		mean	Geometric deviation	50	75	90	95	98
Fe	0.1 -	7	0.83	0.7	1.5	3	3	5
Mg	0.05-	10	1.2	1.5	5	5	7	10
Ca	1.5 -	50	9.8	10	15	20	20	20
Ti	0.2 -	>2	1.2	>2	>2	>2	>2	>2
Mn	200 -	3000	900	1000	1000	1500	1500	2000
Ag	N(1.0) -	50	--	N(1.0)	N(1.0)	N(1.0)	<1.0	5
As	N(500) -	2000	--	N(500)	N(500)	<500	500	700
Au	N(50) -	50	--	N(50)	N(50)	N(50)	N(50)	N(50)
B	N(20) -	200	42	N(20)	<20	50	50	100
Ba	N(50) -	>10,000	260	150	500	5000	7000	>10,000
Be	N(2) -	50	3.0	N(2)	2	3	5	7
Bi	N(20) -	2000	--	N(20)	N(20)	N(20)	N(20)	<20
Co	N(10) -	100	19	20	20	30	50	50
Cr	20 -	2000	200	200	700	1000	1500	1500
Cu	N(10) -	300	15	10	15	20	30	100
La	N(50) -	2000	520	700	1000	1000	1000	1500
Mo	N(10) -	200	19	10	20	50	50	100
Nb	N(50) -	300	83	50	100	150	150	200
Ni	N(10) -	300	58	20	70	150	150	200
Pb	N(20) -	10,000	45	30	50	100	150	300
Sb	N(200) -	1000	--	N(200)	N(500)	N(200)	N(200)	N(200)
Sc	10 -	150	49	50	70	100	100	150
Sn	N(20) -	100	35	20	50	70	70	100
Sr	N(200) -	5000	370	200	500	700	1000	1000
V	70 -	500	240	200	300	500	500	500
W	N(100) -	300	140	N(100)	<100	100	150	200
Y	20 -	5000	280	300	500	500	1000	1500
Zr	200 -	>2000	1200	2000	>2000	>2000	>2000	>2000
Th	N(500) -	>5000	1800	2000	5000	>5000	>5000	>5000

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