UNITED STATES DEPARTMENT OF INTERIOR

GEOLOGICAL SURVEY

Reconnaissance geochemical assessment of the Clover Mountains Bureau of Land Management Wilderness Study Area (NV-050-139), Lincoln County, Nevada

By

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STUDIES RELATED TO WILDERNESS

Bureau of Land Management Wilderness Study Area

The Federal Land Policy and Management Act (Public Law 94-579, October 21, 1976) requires the U.S. Geological Survey and the U.S. Bureau of Mines to conduct mineral surveys on certain areas to determine their mineral values. Results must be made available to the public and submitted to the President and to the Congress. This report presents the results of a mineral survey of the Clover Mountains Wilderness Study Area, Lincoln County, Nevada.

EXECUTIVE SUMMARY

The Clover Mountains Geology-Energy-Minerals (GEM) Resource Area (GRA) includes the Clover Mountains Wilderness Study Area (WSA) NV 050-0139. The GRA is located in south-central Lincoln County, Nevada, near the town of Caliente.

There are two mining districts on the periphery of the WSA: (1) the Pennsylvania district, just northwest of the WSA, which is still active and has produced about $50,000 worth of gold, silver, and copper. (2) the Viola district, on the southern boundary of the WSA, the total production of which was less than $400,000, mostly from fluorspar. No patented or unpatented claims exist within the WSA.

The rocks exposed in the WSA are almost entirely Tertiary rhyolites; below these rocks are Paleozoic and Mesozoic sedimentary rocks that have been locally mineralized, as in the Pennsylvania district.

Stream-sediment and heavy-mineral-concentrate samples were collected and analyzed spectrographically by the U.S. Geological Survey. The analytical results indicate that anomalous concentrations of thorium and barium occur along the western border of the WSA. Minor thorium, barium, and tin anomalies are scattered throughout the WSA.

INTRODUCTION

The Clover Mountains Geology-Energy-Minerals Resources Area (GRA No. NV-23) comprises about 375 square miles in the southeastern portion of Lincoln County, Nevada; the GRA is within the Bureau of Land Management Caliente Resource Area, Las Vegas district. This area includes the Wilderness Study Area No. NV 050-0139. The town of Caliente is located about eight miles north of the northwestern corner of the WSA (fig. 1).

As part of the Bureau of Land Management Phase II mineral resource evaluation of areas under consideration for Wilderness classification, a total of 136 stream-sediment samples, 133 heavy-mineral concentrates from stream-sediment samples, and 40 rock samples were collected by the U.S. Geological Survey during June 1983. These samples were analyzed for 31 elements by emission spectrography. The data were entered into the U.S. Geological Survey Rock Analysis Storage System (RASS) data base. The data were retrieved from RASS and were converted to a binary form that facilitates analysis of the data and machine plotting. This report presents these data and refers to earlier work, mainly geologic mapping and cataloging of mining districts, done by other investigators.

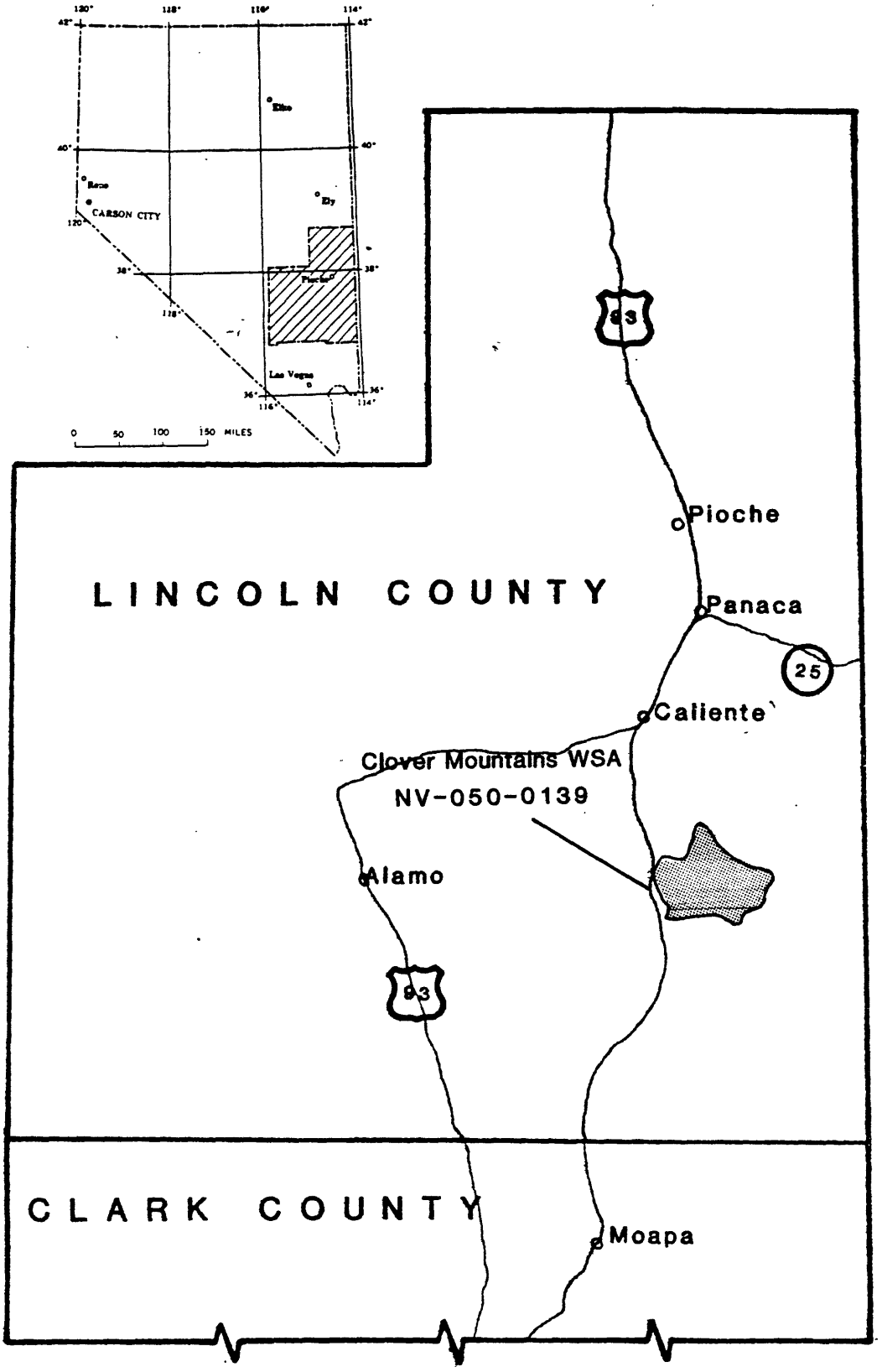

Figure 1

Index map of the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Most of the Clover Mountains WSA is covered by felsic Tertiary volcanic rocks, in part occurring as ignimbrite sequences, which are stratigraphically above the majority of the older rocks in the area. A few small, scattered fault blocks of pre-Tertiary sedimentary rocks, which were complexly faulted prior to mid-Tertiary volcanism, are exposed in the WSA. Basin and Range normal faults that trend generally northwest transect the Tertiary volcanics. Two of these faults are major subparallel normal faults that cut through the Tertiary volcanics. For a thorough review of the geology and known mineral deposits of Lincoln County, see Tschanz and Pampeyan (1970). A BLM report (U.S. Bureau of Land Management, 1983) presents a general overview of the physiography, geology, and paleontology of the WSA, as well as a discussion of the mining activity in the area.

SAMPLE COLLECTION

Samples were collected at 136 sites (plate 2). At nearly all of those sites, both a stream-sediment sample and a heavy-mineral-concentrate sample were collected. Where outcrop was available, a rock sample was collected. A total of 136 stream-sediment samples and 133 heavy-mineral-concentrate samples were analyzed, yielding an average sampling density of about 0.4 samples sites per square mile for the stream-sediment and the heavy-mineral-concentrate samples. Forty samples of unaltered rock were also collected and analyzed.

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

The stream-sediment and the heavy-mineral-concentrate samples consisted of active alluvium collected primarily from first-order (unbranched) and second-order (below the junction of two first-order streams) streams as shown on USGS 1:24,000 scale topographic maps. Each sample was composited from several sites within an area that may extend as much as 100 ft from the point plotted on the map.

The heavy-mineral-concentrate samples were collected from the same active alluvium as the stream-sediment samples. Each sample was sieved at the sample site through a 10-mesh (2-mm) screen to remove the coarse material.

Rock samples were collected from outcrops in the vicinity of the plotted sample site. All of the rock samples were collected from unaltered rock. Such samples provide information on elements in rocks that have not been affected by mineralization or alteration.

SAMPLE PREPARATION

Stream-sediment samples

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

Heavy-mineral-concentrate samples

Each bulk heavy-mineral-concentrate sample was passed through a 10-mesh (2.0-mm) screen to remove the coarse material. The sediment passing through the screen was panned until most of the quartz, feldspar, organic material,

and clay-sized material was removed. The samples were then oven-dried at 50°C.

After the sediment was panned, bromoform (specific gravity, 2.8) was used to remove the remaining quartz and feldspar from the heavy-mineral-concentrate samples. The heavy minerals (those with a specific gravity greater than 2.8) were separated into three fractions using an electromagnet (in this case, a modified Frantz Isodynamic Separator). The most magnetic material (largely magnetite) was discarded. The second fraction (largely ferromagnesian silicates and iron oxides) was saved for archival storage. The third fraction (the least magnetic material including non-magnetic sulfide minerals, cassiterite, barite, zircon, sphene, etc.) was pulverized and saved for spectrographic analysis. These magnetic separates are the same separates that would be produced using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.1 ampere to remove the magnetite and ilmentite, and a current of 1.0 ampere to split the remainder of the sample into paramagnetic and non-magnetic fractions.

Rock samples

Rock samples were crushed and then pulverized to minus-0.15-mm.

SAMPLE ANALYSIS

All stream-sediment samples were analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968) (Table 1); the non-magnetic fractions of the heavy-mineral concentrates were analyzed for 31 metallic elements. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting units at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/grams) (Tables 3, 5).

ROCK ANALYSIS STORAGE SYSTEM

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

STRATEGIC AND CRITICAL MINERALS

The Bureau of Land Management categorizes strategic metals as those listed for stockpiling and critical metals as those for which import reliance is 50% or more. The strategic/critical metal, thorium, occurs in anomalous concentrations in the western part of the WSA and in minor amounts in the eastern part. The strategic/critical metal, tin, occurs in minor amounts in the west central and the east central parts of the WSA.

LAND CLASSIFICATION SYSTEM FOR G-E-M RESOURCES POTENTIAL

Land classification areas have the prefix "M" and a number character starting with 1 (i.e. M1). The two character suffix, also consisting of a number and a letter, shows the classifications according to the Bureau of Land Management resource potential classification scheme (table 2). Land classifications have been made only for areas with metallic resource potential within the WSA (figure 2 and plate 2). Land classifications for non-metallic minerals, oil and gas, and geothermal areas, as well as information on leasable and saleable resources, are found in the Phase 1 report (U.S. Bureau of Land Management, 1983).

LAND CLASSIFICATIONS FOR MINERAL RESOURCE POTENTIAL

The presence or absence of geochemical anomalies in the areas classified in this report (using the Bureau of Land Management classification scheme) has been determined by using a combination of visual inspection of the data, interpretation of cumulative frequency tables, percent frequency histograms, and spatial relationships of the data. Geochemical anomalies are clusters of anomalous concentrations of elements. Anomalous concentrations of an element are those concentrations that significantly exceed the normal background content of that element in a specific sample medium. The background content of an element is the normal range of concentration for that element, excluding mineralized samples, in a particular area (Levinson, 1974).

Metallic mineral resources

Area M2. This area is located in the north-central part of the WSA and has moderate potential for barium. The rocks exposed at the surface are undifferentiated Tertiary volcanics. Samples containing anomalous concentrations of barium (7,000 to greater than 10,000 ppm in the non-magnetic fractions of the heavy-mineral concentrates at sites 012, 114, 115, and 120) were collected in this area. Tschanz and Pampeyan (1970) have reported barite veins in several mining districts north of the WSA, in the East Mormon Range southeast of the WSA, and in the Delamar mining district southwest of the WSA. The anomalous concentrations of barium in area M2, along with the reported barite veins in nearby rocks of similar age and composition indicate that unreported barite veins may exist in area M2.

Area M3. This area is located along the western border of the WSA and has moderate potential for barium. Rocks exposed at the surface are Cambrian limestones and undifferentiated Tertiary volcanics and clastics. Samples containing anomalous concentrations of barium (5,000 and 7,000 ppm at sites 003 and 004 in the non-magnetic fractions of the heavy-mineral concentrates) were collected in this area. These high barium concentrations are suggestive of barite veins related to intrusive rocks of Tertiary(?) age similar in composition to the dioritic rocks exposed at the Pennsylvania district just outside the northwestern border of the WSA.

The anomalous concentrations of thorium in this area are discussed in the later section concerning uranium and thorium resources.

Area M4. This area is located along the western border of the WSA and has moderate potential for barium and tin. The rocks exposed at the surface are Tertiary ignimbrite sequences. Samples containing anomalous concentrations of barium (from 5,000 to greater than 10,000 ppm at sites 131, 132, and 134) and tin (from 1,500 to greater than 2,000 ppm at sites 002, 131,

132, 133, and 134) in the non-magnetic fractions of the heavy-mineral concentrates were collected in this area. The high barium and tin concentrations are suggestive of felsic dikes and/or veins in this area.

The anomalous concentrations of thorium in this area are discussed in a later section.

Area M5. This area is located just inside the southwestern corner of the WSA and has a moderate potential for barium and strontium. The rocks exposed at the surface are Tertiary ignimbrite sequences. Samples containing anomalous concentrations of barium (greater than 10,000 ppm at site 136) and strontium (from 2,000 to 5,000 ppm at site 137) in the non-magnetic fractions of the heavy-mineral concentrates were collected. Again, the high barium and strontium concentrations are suggestive of felsic dikes and/or veins. Mineralogical examinations of the non-magnetic fractions from sites 136 and 137 established that barite, strontianite, and celestite are present.

Area M6. This area is located in the west-central part of the WSA and has moderate potential for tin. The rocks exposed at the surface are undifferentiated Tertiary volcanics. Anomalous concentrations of tin occur at sites 014, 057, 058, 059, and 060 in the non-magnetic fractions of the heavy-mineral concentrates and suggest possible tin mineralization.

Area M7. This area is located in the northeastern part of the WSA and has low potential for tin. Heavy-mineral-concentrate samples containing anomalous concentrations of tin (500 to 2000 ppm) were collected at sites 052, 070 through 074, 075, and 077 through 083. Stream-sediment samples from the same sites contained 10 to 70 ppm Sn. The rocks exposed at the surface in this area are mapped as being similar to those exposed over most of the WSA, namely undifferentiated Tertiary volcanics.

Area M7 also exhibits a minor thorium anomaly, discussed in a later section.

Area M8. This area is located in the southeastern part of the WSA and has a low potential for lead. Analysis of the non-magnetic fractions of the heavy-mineral concentrates from sites 085 and 098 yielded anomalous concentrations of lead of 700 and 1,000 ppm, respectively.

Areas M9 and M10. These two areas occupy a large central part of the WSA and the extreme eastern corner of the WSA, respectively; both have no recognized potential. Analysis of the non-magnetic fraction of the heavy-mineral concentrate from site 017 yielded a lead value of 1,500 ppm. However, microscopic examination of this sample indicated that this high lead value is probably due to contamination from a piece of wire or solder. No anomalies or occurrences of any importance were found in either area.

Uranium and thorium resources

Although none of the samples collected in this study were analyzed for uranium, anomalous concentrations of thorium may be indicative of uranium mineralization.

Areas M1, M7, and M8. These areas are in the extreme northern corner and in the eastern part of the WSA; all three areas have low potential for thorium. Samples containing anomalous concentrations of thorium (ranging from 200 up to 500 ppm at sites 052, 073, 098, 120, 121, and 122 in the non-magnetic fractions of the heavy-mineral concentrates) were collected in these areas. These anomalous thorium concentrations are possibly indicative of alkalic dikes and/or veins.

Area M4. This area is located along the western border of the WSA and has a moderate potential for throium. Samples containing anomalous

concentrations of thorium (500 to 700 ppm at sites 131, 132, and 134 in the non-magnetic fractions of the heavy-mineral concentrates) were collected. Thorite and/or uranothorite, along with barite and fluorite, are present in these samples in the heavy-mineral concentrates.

RECOMMENDATIONS FOR ADDITIONAL WORK

1. Detailed geologic mapping in the vicinities of the barium and thorium anomalies, with emphasis on jointing and alteration in the ignimbrite sequences, would aid in understanding the emplacement of these two metals.

2. Geophysical investigations may reveal buried stocks similar to the Tertiary(?) diorite stock exposed at the Pennsylvania mining district, just outside the northwest border of the WSA. Such stocks, along with dikes and/or veins radiating from them, are a possible source of the barium and thorium anomalies in the western part of the WSA.

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VanTrump, George, Jr., and Miesch, A. T., 1976, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences v. 3, p. 475-488.

TABLE 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample; and heavy-mineral concentrates, based on a 5-mg sample.

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

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

TABLE 2.--Land classification scheme for Bureau of Land Management Geology-Energy-Minerals Resources Areas resource potential

I. Leval of Favorability	II. Level of Certainty
1. The geologic environment and the inferred geologic processes do not indicate favorability for accumulation of mineral resources.	A. The available data are insufficient and/or cannot be considerred as direct or indirect evidence to support or refute the possible existence of mineral resources within the respective area.
2. The geologic environment and the inferred geologic processes indicate low favorability for accumulation of mineral resources.	B. The available data provide indirect evidence to support or refute the possible existence of mineral resources.
3. The geologic environment, the inferred geologic processes, and the reported mineral occurrences or a valid geochemical/geophysical anomaly indicate moderate favorability for accumulation of mineral resources.	C. The available data provide direct evidence but are quantitatively minimal to support or refute the possible existence of mineral resources.
4. The geologic environment, the inferred geologic processes, the reported mineral occurrences, and/or a valid geochemical/geophysical anomaly, and the known mines or deposits indicate high favorability for accumulation of mineral resources.	D. The available data provide abundant direct and indirect evidence to support or refute the possible existence of mineral resources.

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM001S	37 20 24	114 30 33	2	1.0	2.0	.20	700	N	N	N	20	200
CM002S	37 20 21	114 30 30	3	1.0	1.0	.50	700	N	N	N	20	200
CM003S	37 22 31	114 30 31	5	1.0	3.0	.50	700	N	N	N	20	500
CM004S	37 22 48	114 30 38	2	1.0	3.0	.50	500	N	N	N	30	300
CM005S	37 23 53	114 29 15	5	1.0	7.0	.50	500	N	N	N	20	300
CM006S	37 23 17	114 29 0	5	1.0	5.0	.50	500	N	N	N	20	300
CM007S	37 23 33	114 26 56	2	.5	.5	.50	500	N	N	N	20	300
CM008S	37 23 27	114 26 57	5	.7	.3	.50	700	N	N	N	10	200
CM009S	37 22 47	114 25 26	1	.1	.1	.20	500	N	N	N	10	100
CM010S	37 22 45	114 25 28	5	.2	.1	.70	1,000	N	N	N	10	200
CM011S	37 22 53	114 23 25	2	.2	.2	.50	500	N	N	N	10	100
CM012S	37 22 50	114 23 23	2	.1	.1	.20	500	N	N	N	10	100
CM013S	37 23 25	114 22 34	1	.2	.1	.10	300	N	N	N	10	100
CM014S	37 21 0	114 24 30	5	.5	1.0	.70	700	N	N	N	<10	100
CM015S	37 17 45	114 27 37	2	.5	1.0	.20	300	N	N	N	20	70
CM016S	37 17 32	114 27 10	2	.2	1.0	.50	500	N	N	N	10	200
CM017S	37 18 13	114 26 4	2	.2	2.0	.50	500	N	N	N	20	100
CM018S	37 18 6	114 25 36	5	1.0	2.0	.70	700	N	N	N	10	200
CM019S	37 18 39	114 26 27	5	1.0	2.0	1.00	1,000	N	N	N	50	100
CM020S	37 19 31	114 27 10	5	1.0	2.0	.70	700	N	N	N	20	100
CM021S	37 19 48	114 27 23	5	1.0	2.0	.70	700	N	N	N	10	100
CM022S	37 19 52	114 27 18	7	1.0	2.0	1.00	700	N	N	N	10	100
CM023S	37 20 12	114 27 53	2	1.0	.3	.30	300	N	N	N	20	50
CM024S	37 20 14	114 27 50	3	.3	1.0	.50	1,000	N	N	N	30	200
CM025S	37 20 45	114 27 55	3	1.0	2.0	.70	1,000	N	N	N	20	200
CM026S	37 20 44	114 27 51	5	1.0	2.0	1.00	1,000	N	N	N	20	100
CM027S	37 17 48	114 24 22	5	1.0	2.0	.50	700	N	N	N	10	500
CM028S	37 17 48	114 23 10	7	1.0	2.0	.50	1,000	N	N	N	10	300
CM029S	37 17 54	114 23 9	2	1.0	2.0	.50	500	N	N	N	30	200
CM030S	37 18 17	114 21 47	5	1.0	3.0	.50	1,000	N	N	N	20	500
CM031S	37 18 11	114 21 46	5	1.0	2.0	.50	1,000	N	N	N	10	300
CM032S	37 17 55	114 20 50	5	.7	.5	.50	700	N	N	N	20	300
CM033S	37 18 20	114 20 37	7	1.0	2.0	.70	700	N	N	N	20	300
CM034S	37 18 47	114 19 56	5	1.0	1.0	.70	700	N	N	N	20	500
CM035S	37 19 13	114 20 2	7	1.0	1.0	.70	700	N	N	N	15	500
CM036S	37 18 52	114 25 18	7	.7	1.0	.70	700	N	N	N	15	200
CM037S	37 18 51	114 25 17	5	.5	1.0	.50	500	N	N	N	15	300
CM038S	37 18 46	114 24 34	2	.7	3.0	.50	500	N	N	N	20	200
CM039S	37 18 42	114 24 37	5	.7	1.0	.50	700	N	N	N	20	300
CM040S	37 18 27	114 24 7	5	.7	1.0	.50	500	N	N	N	20	500
CM041S	37 18 40	114 22 25	5	.7	.5	.70	700	N	N	N	20	500
CM042S	37 19 0	114 25 55	5	1.0	2.0	.70	700	N	N	N	20	200
CM043S	37 19 11	114 24 57	7	1.0	2.0	1.00	700	N	N	N	30	100
CM044S	37 19 44	114 24 38	20	1.0	1.0	1.00	3,000	N	N	N	30	100
CM045S	37 19 43	114 24 40	2	.5	1.0	.50	500	N	N	N	10	300

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
CM001S	7	N	N	10	10	100	50	N	<20	10	50
CM002S	7	<10	N	10	10	150	50	N	50	10	70
CM003S	2	10	N	15	10	150	50	N	N	15	50
CM004S	2	<10	N	10	20	150	20	N	N	15	30
CM005S	1	<10	N	15	50	150	20	N	N	30	70
CM006S	1	<10	N	15	20	150	20	N	N	30	70
CM007S	2	<10	N	10	20	150	20	N	N	10	50
CM008S	1	10	N	15	20	150	50	N	N	15	30
CM009S	2	N	N	5	10	70	20	N	N	10	30
CM010S	1	<10	N	10	20	100	50	N	20	15	30
CM011S	2	N	N	10	20	100	20	N	N	15	50
CM012S	2	<10	N	5	10	150	20	N	N	5	50
CM013S	5	N	N	5	10	100	70	N	<20	10	30
CM014S	2	N	N	20	20	100	50	N	N	20	30
CM015S	2	N	N	5	20	70	50	N	N	15	50
CM016S	2	15	N	15	10	200	20	N	N	15	50
CM017S	2	N	N	15	10	70	20	N	N	20	20
CM018S	2	N	N	15	20	150	20	N	N	30	50
CM019S	5	10	N	15	10	100	50	N	<20	30	50
CM020S	3	N	N	15	10	20	50	N	N	30	10
CM021S	3	10	N	15	10	150	20	N	N	30	20
CM022S	2	N	N	20	10	50	20	N	N	50	10
CM023S	3	10	N	5	10	150	20	N	N	10	20
CM024S	5	<10	N	10	15	150	70	N	<20	15	50
CM025S	2	N	N	20	15	100	70	N	<20	30	50
CM026S	2	N	N	20	15	70	50	N	N	30	10
CM027S	2	<10	N	15	30	150	70	N	N	30	50
CM028S	1	<10	N	20	50	100	70	N	N	20	50
CM029S	5	<10	N	10	20	150	20	N	<20	10	50
CM030S	2	N	N	20	50	100	50	N	N	30	50
CM031S	2	10	N	20	30	200	100	N	N	30	50
CM032S	2	10	N	15	30	200	20	N	<20	20	50
CM033S	2	N	N	20	100	100	70	N	N	30	20
CM034S	2	N	N	20	70	150	70	N	N	30	50
CM035S	2	N	N	20	70	150	70	N	N	30	70
CM036S	2	N	N	10	20	100	50	N	<20	20	20
CM037S	2	<10	N	10	20	150	20	N	N	20	50
CM038S	5	N	N	10	10	100	70	N	N	10	20
CM039S	3	15	N	10	20	200	50	N	N	20	70
CM040S	3	N	N	10	30	100	50	N	N	15	15
CM041S	2	10	N	20	30	200	50	N	N	20	20
CM042S	2	N	N	20	20	150	50	N	20	30	10
CM043S	3	10	N	20	20	150	20	N	N	30	20
CM044S	2	N	N	50	70	100	200	10	20	30	20
CM045S	3	<10	N	10	10	150	50	N	N	10	20

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
CM001S	N	5	N	100	50	N	20	N	200	N
CM002S	N	5	N	100	70	N	50	N	200	N
CM003S	N	10	N	500	100	N	20	N	200	N
CM004S	N	5	N	100	70	N	20	N	200	N
CM005S	N	10	N	300	100	N	20	N	200	N
CM006S	N	10	N	100	70	N	20	N	200	N
CM007S	N	5	N	100	70	N	20	N	500	N
CM008S	N	10	N	100	100	N	20	N	500	N
CM009S	N	5	N	100	20	N	20	N	200	N
CM010S	N	5	N	100	100	N	20	N	500	N
CM011S	N	5	N	100	50	N	30	N	200	N
CM012S	N	5	N	N	20	N	30	N	500	N
CM013S	N	5	N	N	10	N	50	N	100	N
CM014S	N	10	N	200	100	N	20	N	200	N
CM015S	N	5	N	200	30	N	50	N	200	N
CM016S	N	5	N	100	70	N	20	N	100	N
CM017S	N	10	N	100	70	N	30	N	200	N
CM018S	N	10	N	200	100	N	30	N	300	N
CM019S	N	10	N	200	200	N	50	N	500	N
CM020S	N	10	N	200	100	N	30	N	200	N
CM021S	N	10	N	200	100	N	30	N	200	N
CM022S	N	10	N	200	100	N	30	N	200	N
CM023S	N	5	N	100	50	N	20	N	200	N
CM024S	N	10	N	100	70	N	50	N	200	N
CM025S	N	15	N	200	100	N	50	N	200	N
CM026S	N	15	N	200	100	N	30	N	300	N
CM027S	N	10	N	200	100	N	20	N	200	N
CM028S	N	10	N	200	200	N	20	N	500	N
CM029S	N	5	N	200	70	N	20	N	200	N
CM030S	N	10	N	500	100	N	15	N	200	N
CM031S	N	10	N	500	100	N	20	N	200	N
CM032S	N	10	N	200	100	N	20	N	500	N
CM033S	N	15	N	500	150	N	20	N	500	N
CM034S	N	15	N	500	150	N	20	N	200	N
CM035S	N	15	N	500	200	N	20	N	200	N
CM036S	N	10	N	100	100	N	30	N	300	N
CM037S	N	7	N	200	70	N	20	N	200	N
CM038S	N	5	N	200	50	N	20	N	100	N
CM039S	N	5	20	200	100	N	20	N	100	N
CM040S	N	10	N	200	100	N	20	N	300	N
CM041S	N	10	N	200	100	N	15	N	200	N
CM042S	N	10	N	200	100	N	30	N	200	N
CM043S	N	15	N	200	200	N	20	N	200	N
CM044S	N	15	N	100	200	N	200	N	1,000	N
CM045S	N	10	N	200	70	N	20	N	200	N

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM046S	37 19 36	114 22 21	2	.7	2.0	.50	700	N	N	N	20	300
CM047S	37 19 20	114 23 27	5	.7	2.0	.70	700	N	N	N	20	700
CM048S	37 19 38	114 22 1	3	.7	1.0	.50	700	N	N	N	20	500
CM049S	37 19 36	114 22 1	3	.7	1.0	.70	1,000	1.0	N	N	20	700
CM050S	37 19 54	114 21 25	2	.5	1.0	.50	700	N	N	N	10	500
CM051S	37 19 47	114 21 24	3	1.0	1.0	.30	700	N	N	N	10	700
CM052S	37 19 45	114 20 40	5	1.0	1.0	.30	1,000	N	N	N	10	1,000
CM053S	37 20 8	114 20 54	2	.7	.5	.20	500	N	N	N	10	500
CM054S	37 20 8	114 20 49	3	1.0	1.0	.30	500	N	N	N	10	700
CM055S	37 20 22	114 22 3	3	1.0	1.0	.30	700	N	N	N	30	700
CM056S	37 20 27	114 24 21	5	2.0	3.0	.50	700	N	N	N	20	300
CM057S	37 21 1	114 24 25	5	1.0	1.0	.50	1,000	N	N	N	20	300
CM058S	37 21 20	114 25 42	3	1.0	1.0	.30	700	N	N	N	20	100
CM059S	37 21 23	114 25 39	2	.5	.7	.20	500	N	N	N	30	100
CM060S	37 21 25	114 24 32	5	2.0	3.0	.50	700	N	N	N	20	300
CM061S	37 21 44	114 25 29	7	3.0	5.0	1.00	1,000	N	N	N	30	300
CM062S	37 21 55	114 24 18	3	.7	1.0	.30	700	N	N	N	20	300
CM063S	37 21 55	114 24 10	5	1.0	2.0	.50	1,000	N	N	N	20	300
CM064S	37 22 8	114 23 42	3	.7	1.0	.30	700	N	N	N	20	300
CM065S	37 22 19	114 23 27	10	1.0	2.0	1.00	2,000	N	N	N	30	300
CM066S	37 22 14	114 21 44	2	.3	.5	.20	500	N	N	N	30	300
CM067S	37 22 13	114 21 40	5	.3	.5	.50	1,500	N	N	N	30	500
CM068S	37 22 6	114 21 47	2	1.0	1.0	.20	300	N	N	N	10	300
CM069S	37 22 23	114 21 7	2	1.0	1.0	.20	700	N	N	N	30	300
CM070S	37 22 16	114 21 9	3	.5	.5	.30	700	N	N	N	30	500
CM071S	37 22 12	114 20 28	3	.7	1.0	.20	700	N	N	N	30	500
CM072S	37 22 48	114 21 24	5	.5	.5	.50	1,500	N	N	N	30	300
CM073S	37 23 10	114 19 51	5	.5	.5	.50	1,000	N	N	N	20	300
CM074S	37 23 3	114 20 30	20	.2	.2	1.00	5,000	N	N	N	50	200
CM075S	37 23 7	114 20 34	2	.5	.5	.20	500	N	N	N	10	500
CM076S	37 22 2	114 20 9	5	.2	.2	.50	1,500	N	N	N	10	500
CM077S	37 21 56	114 20 14	5	.5	.5	.30	1,500	N	N	N	20	500
CM078S	37 22 3	114 19 35	10	.3	.2	.50	2,000	N	N	N	20	300
CM079S	37 21 39	114 19 20	3	.3	.3	.20	700	N	N	N	15	300
CM080S	37 21 37	114 19 24	5	.3	.3	.50	1,000	N	N	N	20	500
CM081S	37 21 26	114 17 22	3	.3	.3	.20	700	N	N	N	10	500
CM082S	37 21 22	114 17 24	10	.2	.3	.50	2,000	N	N	N	50	300
CM083S	37 21 52	114 17 52	5	.2	.2	.30	1,000	N	N	N	20	500
CM084S	37 19 16	114 17 38	2	.5	.5	.20	700	N	N	N	20	300
CM085S	37 19 21	114 17 32	3	.3	.5	.20	700	N	N	N	20	300
CM086S	37 18 40	114 17 21	2	.5	.5	.20	1,000	N	N	N	10	200
CM087S	37 18 42	114 17 14	2	.5	.5	.20	700	N	N	N	10	300
CM088S	37 18 52	114 16 26	5	.2	1.0	.30	1,000	N	N	N	20	1,000
CM089S	37 17 4	114 21 24	5	1.0	1.0	.30	500	N	N	N	20	700
CM090S	37 16 58	114 21 25	3	1.0	2.0	.20	500	N	N	N	10	700

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
CM046S	3	N	N	10	20	150	50	N	N	10	50
CM047S	2	10	N	15	30	150	50	N	N	10	50
CM048S	2	N	N	10	20	100	50	N	N	10	50
CM049S	2	N	N	10	20	100	50	N	N	10	70
CM050S	3	10	N	5	10	150	70	N	<20	5	50
CM051S	2	N	N	15	70	20	50	N	N	20	50
CM052S	2	N	N	15	100	20	100	N	20	30	50
CM053S	2	N	N	N	30	10	70	N	30	10	70
CM054S	3	N	N	5	50	15	70	N	30	10	70
CM055S	3	N	N	5	30	15	70	N	<20	10	70
CM056S	2	N	N	30	50	30	20	N	N	50	10
CM057S	3	N	N	10	50	20	70	N	70	30	30
CM058S	5	N	N	7	30	15	20	N	50	15	30
CM059S	5	N	N	5	N	5	N	N	50	15	30
CM060S	3	N	N	20	20	20	50	N	50	30	30
CM061S	1	N	N	50	70	30	20	N	N	50	15
CM062S	3	N	N	5	50	10	100	N	50	30	30
CM063S	3	N	N	10	30	10	70	N	30	15	30
CM064S	5	N	N	7	N	7	70	N	70	10	30
CM065S	2	N	N	20	50	30	100	15	100	50	20
CM066S	3	N	N	5	N	<5	70	N	50	10	30
CM067S	3	N	N	5	N	30	100	15	100	5	50
CM068S	5	N	N	7	20	10	70	N	30	20	50
CM069S	5	N	N	7	N	10	70	N	30	10	70
CM070S	3	N	N	7	20	10	100	N	70	15	50
CM071S	3	N	N	5	20	5	70	N	50	10	50
CM072S	3	N	N	7	N	10	100	15	70	5	200
CM073S	3	N	N	7	N	10	70	10	100	5	30
CM074S	2	N	N	10	20	20	300	30	150	30	30
CM075S	3	N	N	N	N	5	70	N	50	5	30
CM076S	3	N	N	5	N	10	100	15	100	15	30
CM077S	3	N	N	5	N	10	100	N	70	5	200
CM078S	2	N	N	5	30	15	100	15	70	15	30
CM079S	3	N	N	N	30	<5	50	N	50	5	30
CM080S	3	N	N	5	20	7	100	15	70	20	30
CM081S	3	N	N	5	N	5	70	5	50	5	30
CM082S	3	N	N	5	30	15	100	15	100	30	30
CM083S	3	N	N	5	N	7	70	10	70	15	30
CM084S	3	N	N	5	30	<5	100	N	50	15	30
CM085S	3	N	N	N	30	5	100	N	70	7	50
CM086S	5	N	N	N	30	<5	100	10	70	5	50
CM087S	5	N	N	N	N	<5	70	N	50	5	50
CM088S	1	N	N	30	150	30	70	N	N	50	70
CM089S	2	N	N	30	100	30	50	N	N	30	50
CM090S	2	N	N	15	70	20	50	N	N	30	30

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
CM046S	N	10	N	200	70	N	20	N	200	N
CM047S	N	10	N	500	70	N	20	N	200	N
CM048S	N	10	N	500	70	N	20	N	200	N
CM049S	N	10	N	200	70	N	20	N	200	N
CM050S	N	5	N	200	50	N	30	N	200	N
CM051S	N	7	N	300	70	N	20	N	100	N
CM052S	N	7	N	500	100	N	30	N	1,000	N
CM053S	N	5	N	100	30	N	50	N	500	N
CM054S	N	7	N	300	50	N	30	N	300	N
CM055S	N	7	N	100	50	N	30	N	300	N
CM056S	N	15	N	300	100	N	30	N	200	N
CM057S	N	10	N	150	100	N	50	<200	1,000	N
CM058S	N	7	N	100	50	N	30	N	300	N
CM059S	N	5	N	100	20	N	20	N	200	N
CM060S	N	15	N	200	100	N	50	N	500	N
CM061S	N	30	N	500	200	N	30	200	100	N
CM062S	N	5	N	100	100	N	30	<200	300	N
CM063S	N	10	N	200	100	N	50	<200	500	N
CM064S	N	7	N	100	70	N	70	N	500	N
CM065S	N	20	15	200	150	N	70	200	1,000	N
CM066S	N	5	N	100	20	N	30	N	200	N
CM067S	N	7	15	N	30	N	70	300	>1,000	N
CM068S	N	5	N	100	50	N	50	N	200	N
CM069S	N	5	N	200	70	N	30	N	300	N
CM070S	N	5	N	100	70	N	70	N	1,000	N
CM071S	N	5	N	100	50	N	70	N	700	N
CM072S	N	7	15	100	50	N	70	200	>1,000	N
CM073S	N	5	10	N	20	N	70	200	700	N
CM074S	N	30	70	N	70	N	150	300	>1,000	N
CM075S	N	5	N	100	20	N	50	N	500	N
CM076S	N	5	N	N	30	N	100	200	>1,000	N
CM077S	N	5	20	100	30	N	150	<200	>1,000	N
CM078S	N	10	10	N	30	N	100	300	>1,000	N
CM079S	N	5	N	N	10	N	50	N	500	N
CM080S	N	10	20	N	50	N	100	200	>1,000	N
CM081S	N	5	N	N	20	N	70	N	1,000	N
CM082S	N	15	10	N	50	N	100	300	>1,000	N
CM083S	N	5	N	N	30	N	100	<200	1,000	N
CM084S	N	5	N	100	30	N	70	N	1,000	N
CM085S	N	5	20	N	30	N	100	N	500	N
CM086S	N	5	N	N	30	N	150	N	500	N
CM087S	N	5	N	N	20	N	50	N	300	N
CM088S	N	15	N	500	200	N	30	N	200	N
CM089S	N	15	N	500	200	N	30	N	300	N
CM090S	N	15	N	500	100	N	30	N	200	N

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM091S	37 16 26	114 18 52	3	.2	.5	.30	700	N	N	N	20	300
CM092S	37 16 38	114 18 52	3	1.0	1.0	.30	500	N	N	N	10	700
CM093S	37 17 29	114 18 15	2	.3	.5	.15	500	N	N	N	15	100
CM094S	37 17 35	114 18 1	2	1.0	1.0	.20	500	N	N	N	30	300
CM095S	37 17 54	114 16 34	3	.3	.5	.30	1,000	N	N	N	10	300
CM096S	37 18 0	114 16 24	2	.5	.5	.20	1,000	N	N	N	10	700
CM097S	37 18 9	114 15 24	5	1.0	2.0	.30	700	N	N	N	10	700
CM098S	37 18 55	114 15 9	5	2.0	3.0	.50	700	N	N	N	10	700
CM099S	37 20 25	114 14 41	5	2.0	2.0	.50	700	N	N	N	10	700
CM100S	37 20 20	114 14 34	3	2.0	2.0	.50	700	N	N	N	10	700
CM101S	37 21 8	114 13 26	2	1.0	.5	.30	500	N	N	N	10	300
CM102S	37 20 52	114 12 57	2	1.0	.5	.50	500	N	N	N	15	300
CM103S	37 20 35	114 13 54	1	.5	.2	.20	300	N	N	N	<10	200
CM104S	37 19 35	114 14 53	3	2.0	1.0	.50	700	N	N	N	10	300
CM105S	37 23 0	114 16 22	1	.1	.1	.20	300	N	N	N	<10	150
CM106S	37 22 25	114 14 25	2	.2	.2	.20	500	N	N	N	15	300
CM107S	37 22 57	114 15 51	3	.2	.2	.50	700	N	N	N	10	300
CM108S	37 23 6	114 17 33	1	.2	.2	.20	300	N	N	N	20	300
CM109S	37 22 27	114 16 32	1	.1	.1	.20	500	N	N	N	10	300
CM110S	37 22 26	114 16 38	2	.2	.2	.20	500	N	N	N	20	300
CM111S	37 24 18	114 23 29	1	.2	.2	.20	500	N	N	N	10	300
CM112S	37 23 36	114 22 36	1	.2	.2	.20	300	N	N	N	10	300
CM113S	37 23 45	114 22 0	1	.2	.2	.05	200	N	N	N	10	300
CM114S	37 24 0	114 24 17	2	1.0	1.0	.20	500	N	N	N	10	300
CM115S	37 24 43	114 23 32	2	1.0	1.0	.30	500	N	N	N	10	500
CM116S	37 24 38	114 23 32	1	.2	.2	.20	500	N	N	N	20	300
CM117S	37 25 7	114 22 30	2	.5	.5	.20	500	N	N	N	20	300
CM118S	37 24 33	114 24 43	3	1.0	.5	.30	500	N	N	N	10	300
CM119S	37 24 34	114 24 28	1	.5	.5	.10	300	N	N	N	10	200
CM120S	37 25 36	114 24 48	2	.2	.5	.20	500	N	N	N	10	200
CM121S	37 26 5	114 25 23	3	1.0	.5	.20	700	N	N	N	20	300
CM122S	37 26 6	114 25 18	5	.2	.2	.50	1,000	N	N	N	20	100
CM123S	37 27 1	114 25 28	3	2.0	1.0	.20	500	N	N	N	10	500
CM124S	37 24 43	114 25 40	2	.5	.5	.20	700	N	N	N	10	200
CM125S	37 26 48	114 24 13	5	.2	.1	.50	700	N	N	N	20	300
CM126S	37 27 32	114 24 18	2	.2	.1	.30	500	N	N	N	10	300
CM127S	37 28 15	114 25 29	1	.5	.2	.20	500	N	N	N	20	300
CM128S	37 25 40	114 26 38	2	.5	.2	.20	700	N	N	N	10	100
CM129S	37 25 45	114 26 36	2	.5	.2	.20	1,000	N	N	N	10	70
CM131S	37 21 12	114 29 52	1	.5	.5	.20	500	N	N	N	10	300
CM132S	37 21 8	114 29 47	2	.2	.2	.20	500	N	N	N	15	100
CM133S	37 21 31	114 30 9	2	1.0	1.0	.30	500	N	N	N	20	500
CM134S	37 21 40	114 30 13	1	.2	.2	.10	500	N	N	N	20	100
CM135S	37 18 25	114 28 1	2	1.0	.7	.20	500	N	N	N	30	300
CM136S	37 19 25	114 29 26	2	1.0	1.0	.30	500	N	N	N	20	500

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
CM091S	5	N	N	5	N	20	70	N	70	5	70
CM092S	2	N	N	15	100	20	50	N	N	20	30
CM093S	5	N	N	N	N	<5	30	N	30	5	70
CM094S	5	N	N	5	50	10	50	N	30	15	50
CM095S	3	N	N	N	30	<5	70	N	70	5	50
CM096S	3	N	N	5	50	10	70	N	20	5	70
CM097S	1	N	N	20	150	30	70	N	N	30	50
CM098S	1	N	N	15	150	20	70	N	N	50	30
CM099S	1	N	N	15	200	20	50	N	N	50	30
CM100S	1	N	N	15	150	20	50	N	N	50	50
CM101S	2	N	N	5	N	15	50	N	20	5	30
CM102S	1	N	N	5	50	10	50	N	20	10	30
CM103S	2	N	N	5	20	15	30	N	30	5	30
CM104S	1	N	N	30	150	30	50	N	20	50	30
CM105S	2	N	N	N	N	20	N	N	20	5	10
CM106S	2	N	N	5	N	20	30	N	20	5	30
CM107S	1	N	N	5	N	15	50	N	30	5	30
CM108S	1	N	N	5	N	20	50	N	20	5	30
CM109S	2	N	N	5	N	20	30	N	30	5	30
CM110S	2	N	N	5	N	20	50	N	30	5	50
CM111S	1	N	N	5	N	30	300	N	30	5	70
CM112S	2	N	N	N	N	30	100	N	30	<5	50
CM113S	2	N	N	N	N	20	30	N	20	<5	30
CM114S	1	N	N	10	50	30	30	N	<20	20	30
CM115S	1	N	N	15	100	30	50	N	<20	20	30
CM116S	1	N	N	5	N	15	50	N	20	5	30
CM117S	1	N	N	10	50	30	50	N	20	15	30
CM118S	1	N	N	15	100	30	70	N	20	20	50
CM119S	2	N	N	5	N	20	30	N	20	5	50
CM120S	2	N	N	5	50	20	100	N	30	5	30
CM121S	5	N	N	15	150	30	100	N	30	20	50
CM122S	2	N	N	5	20	30	500	N	30	5	70
CM123S	1	N	N	20	150	30	70	N	N	20	30
CM124S	3	N	N	5	30	20	70	N	30	<5	50
CM125S	3	N	N	5	N	20	200	30	50	<5	30
CM126S	2	N	N	<5	N	20	100	5	30	<5	30
CM127S	2	N	N	<5	N	15	70	N	30	<5	50
CM128S	3	N	N	<5	N	15	70	N	30	<5	70
CM129S	3	N	N	<5	N	20	70	10	30	<5	70
CM131S	3	N	N	<5	N	15	70	N	20	5	50
CM132S	3	N	N	<5	N	15	50	N	30	5	20
CM133S	2	N	N	10	20	30	70	N	N	10	50
CM134S	3	N	N	<5	N	20	50	N	30	<5	30
CM135S	3	N	N	5	30	50	100	N	30	7	70
CM136S	2	N	N	10	30	30	70	N	<20	7	70

Table 3.--Spectrographic Analyses of Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Sb-ppm	Sc-ppm	Sn-ppm	Sr-ppm	V-ppm	W-ppm	Y-ppm	Zn-ppm	Zr-ppm	Th-ppm
CM091S	N	7	15	100	20	N	70	200	1,000	N
CM092S	N	10	N	500	100	N	30	N	300	N
CM093S	N	5	N	N	10	N	70	N	500	N
CM094S	N	5	N	100	30	N	50	N	200	N
CM095S	N	5	20	N	20	N	70	N	1,000	N
CM096S	N	7	N	100	30	N	70	N	300	N
CM097S	N	15	N	700	100	N	20	N	200	N
CM098S	N	15	N	700	100	N	20	N	300	N
CM099S	N	15	N	500	100	N	20	N	300	N
CM100S	N	15	N	500	100	N	20	N	200	N
CM101S	N	5	N	100	50	N	50	N	500	N
CM102S	N	5	N	200	50	N	50	N	700	N
CM103S	N	5	N	100	20	N	30	N	200	N
CM104S	N	15	N	300	100	N	30	N	500	N
CM105S	N	5	N	N	10	N	30	N	500	N
CM106S	N	5	N	100	10	N	30	N	200	N
CM107S	N	5	15	100	30	N	50	200	500	N
CM108S	N	5	N	100	30	N	20	N	200	N
CM109S	N	5	N	100	10	N	30	N	300	N
CM110S	N	5	N	100	20	N	50	N	500	N
CM111S	N	5	N	100	15	N	50	N	100	N
CM112S	N	5	N	100	20	N	50	N	200	N
CM113S	N	5	N	100	10	N	30	N	70	N
CM114S	N	10	N	300	50	N	20	N	300	N
CM115S	N	10	N	300	100	N	30	N	300	N
CM116S	N	5	N	100	20	N	30	N	200	N
CM117S	N	7	N	200	70	N	30	N	200	N
CM118S	N	7	N	300	100	N	30	N	200	N
CM119S	N	5	N	200	30	N	20	N	200	N
CM120S	N	5	N	150	70	N	50	N	200	N
CM121S	N	7	N	200	100	N	30	<200	300	N
CM122S	N	7	20	100	70	N	150	300	700	N
CM123S	N	10	N	300	150	N	20	N	200	N
CM124S	N	5	N	100	70	N	50	N	300	N
CM125S	N	7	20	<100	50	N	100	200	500	N
CM126S	N	5	10	100	50	N	70	N	500	N
CM127S	N	5	N	150	30	N	30	N	200	N
CM128S	N	5	<10	100	30	N	30	N	300	N
CM129S	N	5	<10	100	30	N	30	N	300	N
CM131S	N	5	N	100	30	N	30	N	300	N
CM132S	N	5	N	<100	30	N	30	N	200	N
CM133S	N	10	N	200	100	N	30	N	200	N
CM134S	N	5	N	N	30	N	30	N	200	N
CM135S	N	5	10	200	30	N	70	N	500	N
CM136S	N	10	N	300	70	N	30	N	200	N

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM001C3	37 20 24	114 30 33	1.5	.10	.5	1.00	500	N	N	N	<20	500
CM002C3	37 20 21	114 30 30	2.0	<.05	7.0	.50	1,000	N	N	N	20	50
CM003C3	37 22 31	114 30 31	5.0	.50	2.0	.70	500	N	N	N	20	7,000
CM004C3	37 22 48	114 30 38	1.0	.20	5.0	1.00	100	N	N	N	<20	5,000
CM005C3	37 23 53	114 29 15	1.5	.50	7.0	.20	500	N	N	N	30	50
CM006C3	37 23 17	114 29 0	1.5	.50	7.0	.30	500	N	N	N	50	50
CM007C3	37 23 33	114 26 56	2.0	.05	1.0	1.00	1,000	N	N	N	20	700
CM008C3	37 23 27	114 26 57	2.0	.10	2.0	1.00	500	N	N	N	<20	500
CM009C3	37 22 47	114 25 26	2.0	.05	.2	.50	500	N	N	N	<20	50
CM010C3	37 22 45	114 25 28	2.0	.05	1.0	1.00	500	N	N	N	<20	50
CM011C3	37 22 53	114 23 25	2.0	.20	2.0	2.00	700	N	N	N	<20	500
CM012C3	37 22 50	114 23 23	1.0	.20	7.0	.50	200	N	N	N	<20	>10,000
CM013C3	37 23 25	114 22 34	.5	.05	.2	.15	100	N	N	N	<20	50
CM014C3	37 21 0	114 24 30	.5	.05	.2	.20	100	N	N	N	<20	50
CM015C3	37 17 45	114 27 37	1.0	.10	1.0	.50	200	N	N	N	<20	50
CM016C3	37 17 32	114 27 10	1.5	.10	5.0	.20	1,000	N	N	N	<20	50
CM017C3	37 18 13	114 26 4	.5	.10	5.0	1.00	200	N	N	N	<20	50
CM018C3	37 18 6	114 25 36	1.0	.20	7.0	.20	200	N	N	N	<20	50
CM019C3	37 18 39	114 26 27	.5	.05	7.0	1.00	100	N	N	N	<20	500
CM020C3	37 19 31	114 27 10	2.0	.20	2.0	.50	500	N	N	N	<20	50
CM021C3	37 19 48	114 27 23	1.0	.50	1.0	.20	200	N	N	N	<20	50
CM022C3	37 19 52	114 27 18	5.0	.20	1.0	.70	1,000	N	N	N	<20	50
CM023C3	37 20 12	114 27 53	1.0	.70	10.0	.70	300	N	N	N	30	50
CM024C3	37 20 14	114 27 50	.5	.05	.2	.05	200	N	N	N	<20	50
CM025C3	37 20 45	114 27 55	5.0	.05	.7	.20	500	N	N	N	<20	50
CM026C3	37 20 44	114 27 51	2.0	.20	2.0	.50	700	N	N	N	<20	50
CM027C3	37 17 48	114 24 22	2.0	.50	2.0	.20	200	N	N	N	<20	50
CM028C3	37 17 48	114 23 10	1.0	.10	5.0	.70	100	N	N	N	<20	700
CM029C3	37 17 54	114 23 9	1.0	.10	2.0	1.00	200	N	N	N	<20	200
CM030C3	37 18 17	114 21 47	.7	.10	2.0	.30	200	N	N	N	<20	50
CM013C3	37 18 11	114 21 46	1.0	.10	7.0	.50	100	N	N	N	<20	500
CM032C3	37 17 55	114 20 50	.5	.05	7.0	.20	50	N	N	N	<20	1,000
CM033C3	37 18 20	114 20 37	2.0	.50	2.0	.50	100	N	N	N	<20	2,000
CM034C3	37 18 47	114 19 56	.7	.10	1.0	.20	100	N	N	N	<20	3,000
CM035C3	37 19 13	114 20 2	2.0	.10	5.0	.50	200	N	N	N	<20	200
CM036C3	37 18 52	114 25 18	1.0	.10	2.0	.50	200	N	N	N	<20	50
CM037C3	37 18 51	114 25 17	1.0	.05	2.0	.70	200	N	N	N	<20	50
CM038C3	37 18 46	114 24 34	.5	.05	2.0	.05	100	N	N	N	<20	50
CM039C3	37 18 42	114 24 37	.3	.05	5.0	.50	100	N	N	N	<20	50
CM040C3	37 18 27	114 24 7	1.0	.10	5.0	.50	200	N	N	N	<20	100
CM041C3	37 18 40	114 22 25	.2	.05	.5	.10	100	N	N	N	<20	200
CM042C3	37 19 0	114 25 55	1.0	.20	.7	.10	200	N	N	N	<20	50
CM043C3	37 19 11	114 24 57	2.0	.50	2.0	.20	500	N	N	N	<20	100
CM044C3	37 19 44	114 24 38	.2	<.05	.2	.10	50	N	N	N	<20	50
CM045C3	37 19 42	114 24 40	1.0	.05	2.0	.50	100	N	N	N	<20	200

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
CM001C3	2	N	N	N	N	<10	150	N	50	10	N
CM002C3	5	N	N	N	N	<10	N	N	70	10	700
CM003C3	2	N	N	10	N	20	150	N	50	10	70
CM004C3	2	N	N	N	N	10	300	N	<50	10	20
CM005C3	2	N	N	N	N	20	100	N	N	10	N
CM006C3	<2	N	N	N	N	30	70	100	N	10	500
CM007C3	<2	N	N	N	N	<10	700	N	150	10	20
CM008C3	5	N	N	N	N	10	300	N	70	10	20
CM009C3	5	N	N	N	N	<10	200	N	100	10	N
CM010C3	2	N	N	N	N	<10	500	N	100	10	20
CM011C3	2	N	N	N	N	<10	700	N	200	10	20
CM012C3	2	N	N	N	N	<10	300	N	N	10	100
CM013C3	15	N	N	N	N	N	150	N	N	30	N
CM014C3	15	N	N	N	N	N	100	N	N	10	N
CM015C3	10	N	N	N	N	N	200	N	50	10	150
CM016C3	5	N	N	N	N	N	300	N	70	10	150
CM017C3	5	N	N	N	N	<10	300	N	100	10	1,500
CM018C3	5	N	N	N	N	N	200	N	<50	10	150
CM019C3	2	N	N	N	N	<10	200	N	70	10	N
CM020C3	10	N	N	N	N	<10	300	N	50	10	70
CM021C3	7	N	N	N	N	<10	150	N	50	10	20
CM022C3	10	N	N	N	N	10	500	N	150	10	N
CM023C3	7	N	N	N	50	10	300	N	150	50	200
CM024C3	<2	N	N	N	N	N	N	N	N	10	N
CM025C3	5	N	N	N	N	N	200	N	70	10	300
CM026C3	5	N	N	N	N	15	150	N	70	10	20
CM027C3	2	N	N	N	N	10	200	N	50	10	N
CM028C3	2	N	N	N	N	<10	300	N	50	10	70
CM029C3	<2	N	N	N	N	15	300	N	<50	10	150
CM030C3	<2	N	N	N	N	<10	200	N	50	10	100
CM013C3	<2	N	N	N	N	<10	200	N	N	10	70
CM032C3	<2	N	N	N	N	N	150	N	N	10	N
CM033C3	N	N	N	N	150	10	200	N	N	10	N
CM034C3	N	N	N	N	N	<10	100	N	N	10	N
CM035C3	N	N	N	N	N	30	50	15	50	10	20
CM036C3	10	N	N	N	N	10	300	N	N	10	N
CM037C3	<2	N	N	N	N	<10	300	N	70	10	20
CM038C3	2	N	N	N	N	N	N	N	N	10	200
CM039C3	2	N	N	N	N	<10	150	N	<50	10	N
CM040C3	<2	N	N	N	N	<10	150	N	50	10	100
CM041C3	<2	N	N	N	N	N	N	N	N	10	N
CM042C3	2	N	N	N	N	N	N	N	N	10	N
CM043C3	2	N	N	N	N	N	N	N	<50	10	N
CM044C3	<2	N	N	N	N	N	N	N	N	10	N
CM045C3	2	N	N	N	N	<10	200	N	<50	10	N

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
CM001C3	N	10	N	N	20	N	70	N	>2,000	N
CM002C3	N	10	1,500	N	20	N	300	N	>2,000	N
CM003C3	N	10	N	300	70	N	100	N	>2,000	N
CM004C3	N	10	N	300	50	N	70	N	>2,000	N
CM005C3	N	10	70	N	20	N	70	N	2,000	N
CM006C3	N	10	500	N	150	N	50	N	2,000	N
CM007C3	N	30	300	N	70	N	700	N	>2,000	N
CM008C3	N	20	>2,000	N	100	N	200	N	>2,000	N
CM009C3	N	30	100	N	20	N	200	N	>2,000	N
CM010C3	N	30	1,000	N	50	N	700	N	>2,000	N
CM011C3	N	30	70	N	100	N	1,000	N	>2,000	N
CM012C3	N	20	20	700	50	N	200	N	>2,000	N
CM013C3	N	30	500	N	20	N	1,000	N	>2,000	N
CM014C3	N	30	500	N	20	N	1,000	N	>2,000	N
CM015C3	N	30	500	N	50	N	700	N	>2,000	N
CM016C3	N	20	300	200	20	N	300	N	>2,000	N
CM017C3	N	10	700	N	30	N	300	N	>2,000	N
CM018C3	N	30	200	N	30	N	300	N	>2,000	N
CM019C3	N	10	30	N	50	N	200	N	>2,000	N
CM020C3	N	50	1,000	N	30	N	700	N	>2,000	N
CM021C3	N	30	700	N	20	N	200	N	>2,000	N
CM022C3	N	30	1,000	N	50	N	700	N	>2,000	N
CM023C3	500	70	>2,000	N	100	N	1,000	N	>2,000	N
CM024C3	N	<10	N	N	<20	N	50	N	>2,000	N
CM025C3	N	20	1,500	N	20	N	100	N	>2,000	N
CM026C3	N	20	1,000	N	50	N	150	N	>2,000	N
CM027C3	N	30	500	N	20	N	150	N	>2,000	N
CM028C3	N	10	N	N	50	N	150	N	>2,000	N
CM029C3	N	30	20	N	70	N	150	N	>2,000	N
CM030C3	N	15	200	N	20	N	150	N	>2,000	N
CM013C3	N	10	N	N	50	N	100	N	>2,000	N
CM032C3	N	15	20	300	20	N	150	N	>2,000	N
CM033C3	N	20	N	300	70	N	150	N	>2,000	N
CM034C3	N	20	N	500	20	N	50	N	>2,000	N
CM035C3	N	10	30	N	100	N	50	N	1,500	N
CM036C3	N	30	500	300	20	N	500	N	>2,000	N
CM037C3	N	30	700	300	50	N	200	N	>2,000	N
CM038C3	N	10	200	N	<20	N	50	N	2,000	N
CM039C3	N	20	200	N	20	N	200	N	>2,000	N
CM040C3	N	N	20	N	50	N	70	N	1,000	N
CM041C3	N	20	70	N	<20	N	30	N	>2,000	N
CM042C3	N	10	N	N	20	N	70	N	>2,000	N
CM043C3	N	<10	20	N	50	N	50	N	1,500	N
CM044C3	N	30	200	N	20	N	150	N	>2,000	N
CM045C3	N	20	N	N	20	N	150	N	>2,000	N

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM046C3	37 19 36	114 22 21	.5	.05	7.0	.50	200	N	N	N	<20	1,500
CM047C3	37 19 20	114 23 27	1.0	.05	2.0	.30	200	N	N	N	<20	300
CM048C3	37 19 38	114 22 1	1.0	.05	2.0	.50	100	N	N	N	<20	1,500
CM049C3	37 19 36	114 22 1	.5	.05	1.0	1.00	100	N	N	N	<20	1,500
CM050C3	37 19 54	114 21 25	1.0	.05	2.0	.20	100	N	N	N	<20	1,500
CM051C3	37 19 47	114 21 24	1.0	.20	2.0	.50	200	N	N	N	<20	1,500
CM052C3	37 19 45	114 20 40	1.0	.10	7.0	1.00	300	N	N	N	<20	10,000
CM053C3	37 20 8	114 20 54	1.0	.10	7.0	.20	200	N	N	N	<20	>10,000
CM054C3	37 20 8	114 20 49	1.0	.05	7.0	.50	500	N	N	N	<20	10,000
CM055C3	37 20 22	114 22 3	.1	.10	7.0	.05	200	N	N	N	<20	>10,000
CM056C3	37 20 27	114 24 21	.7	2.00	10.0	.05	1,000	N	N	N	<20	700
CM057C3	37 21 1	114 24 25	1.0	.10	1.0	.20	200	N	N	N	<20	500
CM058C3	37 21 20	114 25 42	1.0	.05	1.0	.15	500	N	N	N	<20	50
CM059C3	37 21 23	114 25 39	2.0	.10	.5	.15	700	N	N	N	<20	50
CM060C3	37 21 25	114 24 32	2.0	.20	5.0	.50	1,000	N	N	N	<20	200
CM062C3	37 21 55	114 24 18	1.0	.05	1.0	.10	500	N	N	N	<20	300
CM063C3	37 21 55	114 24 10	2.0	.10	1.0	.50	500	N	N	N	<20	500
CM064C3	37 22 8	114 23 42	2.0	.05	1.0	.20	500	N	N	N	<20	50
CM065C3	37 22 19	114 23 27	1.0	.05	.5	.20	200	N	N	N	<20	100
CM066C3	37 22 14	114 21 44	1.0	.05	.7	.20	500	N	N	N	<20	100
CM067C3	37 22 13	114 21 40	.5	.05	.2	.02	100	N	N	N	<20	300
CM069C3	37 22 23	114 21 7	2.0	.10	1.0	.50	1,000	N	N	N	20	300
CM070C3	37 22 16	114 21 9	1.0	.05	1.5	.20	200	N	N	N	20	700
CM071C3	37 22 12	114 20 28	1.5	.05	1.0	.50	300	N	N	N	<20	500
CM072C3	37 22 48	114 21 24	2.0	.05	1.0	.50	500	N	N	N	<20	150
CM073C3	37 23 10	114 19 51	1.0	.05	2.0	.20	150	N	N	N	<20	700
CM074C3	37 23 3	114 20 30	1.0	<.05	.5	.20	300	N	N	N	<20	200
CM075C3	37 23 7	114 20 34	.7	<.05	.2	.10	200	N	N	N	<20	100
CM076C3	37 22 2	114 20 9	2.0	<.05	.5	.50	500	N	N	N	<20	1,000
CM077C3	37 21 56	114 20 14	.5	<.05	.2	.05	100	N	N	N	<20	200
CM078C3	37 22 3	114 19 35	.5	<.05	.5	.10	200	N	N	N	<20	1,000
CM079C3	37 21 39	114 19 20	.5	<.05	.1	.10	200	N	N	N	<20	50
CM080C3	37 21 37	114 19 24	.3	<.05	.1	.05	100	N	N	N	<20	<50
CM081C3	37 21 26	114 17 22	5.0	.07	.1	.50	700	N	N	N	20	200
CM082C3	37 21 22	114 17 24	1.0	<.05	.2	.07	200	N	N	N	<20	200
CM083C3	37 21 52	114 17 52	1.0	<.05	.2	.10	200	N	N	N	<20	100
CM084C3	37 19 16	114 17 38	2.0	.05	.5	.50	500	N	N	N	<20	100
CM085C3	37 19 21	114 17 32	1.0	<.05	.5	.10	200	N	N	N	<20	50
CM086C3	37 18 40	114 17 21	5.0	.05	5.0	1.00	700	N	N	N	20	2,000
CM087C3	37 18 42	114 17 14	.5	<.05	.5	.10	100	N	N	N	<20	50
CM088C3	37 18 52	114 16 26	7.0	<.05	.5	.50	200	N	N	N	50	300
CM089C3	37 17 4	114 21 24	2.0	.20	5.0	2.00	300	N	N	N	<20	100
CM090C3	37 16 58	114 21 25	1.0	.20	10.0	1.00	200	N	N	N	<20	2,000
CM091C3	37 16 26	114 18 52	5.0	.20	10.0	1.00	300	N	N	N	<20	5,000
CM092C3	37 16 38	114 18 52	2.0	.10	10.0	.20	200	N	N	N	<20	10,000

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
CM046C3	<2	N	N	N	N	N	100	N	N	10	N
CM047C3	2	N	N	N	N	10	100	N	<50	10	N
CM048C3	<2	N	N	N	N	<10	150	N	50	10	N
CM049C3	<2	N	N	N	N	<10	50	N	50	10	N
CM050C3	2	N	N	N	N	10	150	N	N	10	50
CM051C3	2	N	N	N	N	10	50	N	N	10	20
CM052C3	2	N	N	N	N	10	700	N	N	70	20
CM053C3	2	N	N	N	N	10	500	N	N	70	20
CM054C3	<2	N	N	N	N	10	500	N	<50	70	70
CM055C3	5	N	N	N	N	N	200	N	N	10	20
CM056C3	5	N	N	15	N	10	50	N	N	50	150
CM057C3	20	N	N	N	N	<10	150	N	N	50	150
CM058C3	5	N	N	N	N	<10	100	N	N	10	N
CM059C3	7	N	N	N	N	<10	150	N	N	10	20
CM060C3	2	N	N	N	N	10	200	N	N	10	200
CM062C3	20	N	N	N	N	<10	150	N	N	10	20
CM063C3	2	N	N	N	N	<10	100	N	N	70	20
CM064C3	5	N	N	N	N	N	150	N	N	30	200
CM065C3	5	N	N	N	N	N	150	N	N	30	N
CM066C3	5	N	N	N	N	N	150	N	N	30	150
CM067C3	5	N	N	N	N	N	N	N	N	10	20
CM069C3	5	N	N	N	N	N	150	N	N	50	20
CM070C3	5	N	N	N	N	N	150	N	N	100	<20
CM071C3	5	N	N	N	N	N	150	N	N	70	150
CM072C3	7	N	N	N	N	N	200	N	N	30	N
CM073C3	10	N	N	N	N	N	150	N	N	70	20
CM074C3	20	N	N	N	N	N	300	N	N	10	N
CM075C3	20	N	N	N	N	N	N	N	N	10	N
CM076C3	20	N	N	N	N	N	N	N	N	70	N
CM077C3	15	N	N	N	N	N	N	N	N	10	N
CM078C3	20	N	N	N	N	N	N	N	N	70	N
CM079C3	20	N	N	N	N	N	N	N	N	10	N
CM080C3	20	N	N	N	N	N	N	N	N	70	N
CM081C3	10	N	N	N	N	<10	150	N	N	10	N
CM082C3	20	N	N	N	N	N	70	N	N	10	N
CM083C3	20	N	N	N	N	N	70	N	N	10	N
CM084C3	10	N	N	N	N	N	150	N	<50	10	70
CM085C3	20	N	N	N	N	N	200	N	N	10	700
CM086C3	5	N	N	N	N	<10	700	N	100	10	150
CM087C3	20	N	N	N	N	N	100	N	N	10	N
CM088C3	10	N	N	N	N	15	N	N	<50	30	70
CM089C3	5	N	N	N	N	20	300	N	<50	50	50
CM090C3	2	N	N	N	N	<10	200	N	<50	10	N
CM091C3	2	N	N	N	70	50	300	N	50	10	70
CM092C3	2	N	N	N	N	10	200	N	<50	50	30

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
CM046C3	N	<10	N	N	20	N	150	N	1,500	N
CM047C3	N	<10	N	200	20	N	70	N	1,500	N
CM048C3	N	10	N	300	50	N	70	N	2,000	N
CM049C3	N	N	N	200	20	N	20	N	500	N
CM050C3	N	10	N	N	<20	N	100	N	1,000	N
CM051C3	N	N	N	200	20	N	20	N	1,000	N
CM052C3	N	70	150	5,000	50	N	700	N	>2,000	300
CM053C3	N	10	300	700	20	N	500	N	>2,000	N
CM054C3	N	10	N	700	50	N	300	N	>2,000	N
CM055C3	N	10	200	300	<20	N	700	N	>2,000	N
CM056C3	N	20	N	N	20	N	150	N	>2,000	N
CM057C3	N	10	2,000	N	50	N	1,000	N	>2,000	N
CM058C3	N	50	500	N	20	N	150	N	>2,000	N
CM059C3	<200	10	2,000	N	20	N	200	N	>2,000	N
CM060C3	N	30	1,500	N	100	N	1,000	N	>2,000	N
CM062C3	N	10	1,000	N	20	N	500	N	>2,000	N
CM063C3	N	10	200	N	100	N	200	N	>2,000	N
CM064C3	N	10	200	N	100	N	700	N	>2,000	N
CM065C3	N	10	1,000	N	50	N	1,000	N	>2,000	N
CM066C3	N	10	1,000	N	50	N	1,000	N	>2,000	N
CM067C3	N	30	300	N	<20	N	100	N	>2,000	N
CM069C3	N	10	N	N	50	N	700	N	>2,000	N
CM070C3	N	10	2,000	N	30	N	1,000	N	>2,000	N
CM071C3	N	10	2,000	N	50	N	1,500	N	>2,000	N
CM072C3	N	10	700	N	50	N	1,000	N	>2,000	N
CM073C3	N	10	2,000	N	50	N	1,500	N	>2,000	200
CM074C3	N	100	2,000	N	50	N	2,000	N	>2,000	<200
CM075C3	N	50	700	N	20	N	1,000	N	>2,000	N
CM076C3	N	50	200	N	20	N	1,000	N	>2,000	N
CM077C3	N	30	2,000	N	20	N	1,000	N	>2,000	N
CM078C3	N	70	2,000	N	30	N	1,500	N	>2,000	<200
CM079C3	N	30	1,000	N	20	N	1,000	N	>2,000	N
CM080C3	N	10	200	N	20	N	700	N	>2,000	N
CM081C3	N	10	700	N	30	N	700	N	>2,000	N
CM082C3	N	70	500	N	20	N	1,500	N	>2,000	N
CM083C3	N	30	2,000	N	20	N	1,500	N	>2,000	N
CM084C3	N	30	500	N	30	N	1,000	N	>2,000	N
CM085C3	N	30	700	N	20	N	1,500	N	>2,000	N
CM086C3	N	10	700	N	50	N	1,000	N	>2,000	N
CM087C3	N	30	700	N	20	N	1,500	N	>2,000	N
CM088C3	N	10	100	N	20	N	1,000	N	>2,000	N
CM089C3	N	10	N	200	100	N	500	N	>2,000	N
CM090C3	N	10	N	300	50	N	300	N	>2,000	N
CM091C3	N	30	N	500	70	N	300	N	>2,000	N
CM092C3	N	30	N	300	20	N	500	N	>2,000	N

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM093C3	37 17 29	114 18 15	.5	<.05	20.0	.07	200	N	N	N	<20	200
CM094C3	37 17 35	114 18 1	1.0	.20	20.0	.10	300	N	N	N	<20	100
CM095C3	37 17 54	114 16 34	5.0	<.05	1.0	.20	200	N	N	N	20	700
CM096C3	37 18 0	114 16 24	1.0	<.05	1.0	1.00	1,500	N	N	N	<20	150
CM098C3	37 18 55	114 15 9	1.0	.10	10.0	.20	500	5	N	N	<20	100
CM099C3	37 20 25	114 14 41	2.0	.50	10.0	.15	200	N	N	N	<20	10,000
CM101C3	37 21 8	114 13 26	1.0	.20	2.0	.70	300	N	N	N	<20	1,500
CM102C3	37 20 52	114 12 57	.7	.50	2.0	.70	200	N	N	N	<20	5,000
CM103C3	37 20 35	114 13 54	1.5	.20	2.0	.20	300	N	N	N	20	700
CM104C3	37 19 35	114 14 53	1.5	.50	2.0	.50	500	N	N	N	<20	700
CM105C3	37 23 0	114 16 22	1.5	.05	.2	.50	300	N	N	N	<20	500
CM106C3	37 22 25	114 14 25	2.0	.10	.5	.07	300	N	N	N	50	700
CM107C3	37 22 57	114 15 51	2.0	.10	.5	.50	300	N	N	N	<20	700
CM108C3	37 23 6	114 17 33	1.0	.10	.5	.20	300	N	N	N	20	700
CM109C3	37 22 27	114 16 32	2.0	.05	.2	.50	300	N	N	N	<20	500
CM110C3	37 22 25	114 16 38	2.0	.05	.2	.20	300	N	N	N	20	700
CM111C3	37 24 18	114 23 29	2.0	.10	.5	.50	300	N	N	N	20	700
CM112C3	37 23 36	114 22 36	2.0	.05	.5	.50	300	N	N	N	20	700
CM113C3	37 23 45	114 22 0	2.0	.20	1.0	.10	500	N	N	N	30	1,000
CM114C3	37 24 0	114 24 17	2.0	.20	2.0	.50	300	N	N	N	20	>10,000
CM115C3	37 24 43	114 23 32	2.0	.50	7.0	1.50	500	N	N	N	20	>10,000
CM116C3	37 24 38	114 23 32	2.0	.10	.5	.50	300	N	N	N	20	1,000
CM117C3	37 25 7	114 22 30	2.0	.10	1.0	1.00	300	N	N	N	20	700
CM118C3	37 24 33	114 24 43	5.0	.50	7.0	>2.00	1,000	N	N	N	20	700
CM119C3	37 24 34	114 24 28	2.0	.20	2.0	1.00	500	N	N	N	20	5,000
CM120C3	37 25 36	114 24 48	5.0	.10	2.0	2.00	700	N	N	N	20	7,000
CM121C3	37 26 5	114 25 23	5.0	1.00	5.0	2.00	1,000	N	N	N	20	300
CM122C3	37 26 6	114 25 18	2.0	.10	1.0	1.00	500	N	N	N	20	500
CM123C3	37 27 1	114 25 28	2.0	.20	1.5	.70	500	N	N	N	<20	>10,000
CM124C3	37 24 43	114 25 40	1.0	.20	2.0	2.00	700	N	N	N	<20	500
CM125C3	37 26 48	114 24 13	1.0	.05	.2	.50	50	N	N	N	<20	500
CM126C3	37 27 32	114 24 18	1.0	.05	.2	.50	50	N	N	N	<20	500
CM127C3	37 28 15	114 25 29	1.0	.10	.7	.20	500	N	N	N	20	500
CM128C3	37 25 40	114 26 38	1.0	.20	.5	.50	500	N	N	N	<20	50
CM129C3	37 25 45	114 26 36	2.0	.20	1.0	.70	1,000	N	N	N	<20	100
CM130C3	37 24 31	114 26 40	2.0	.20	5.0	2.00	1,000	N	N	N	<20	200
CM131C3	37 21 12	114 29 52	2.0	.10	.5	.50	700	N	N	N	<20	10,000
CM132C3	37 21 8	114 29 47	2.0	.10	.5	.70	1,000	N	N	N	20	200
CM133C3	37 21 31	114 30 9	2.0	.50	5.0	2.00	700	N	N	N	20	5,000
CM134C3	37 21 40	114 30 13	1.0	.20	1.0	.50	200	N	N	N	20	>10,000
CM135C3	37 18 25	114 28 1	1.0	.50	10.0	1.00	500	N	N	N	20	1,500
CM136C3	37 19 25	114 29 26	1.5	.20	2.0	.50	500	N	N	N	<20	>10,000
CM137C3	37 19 6	114 29 1	1.5	.20	10.0	.20	300	N	N	N	<20	>10,000

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
CM093C3	5	N	N	N	N	<10	150	N	<50	10	N
CM094C3	5	N	N	N	N	<10	150	N	N	50	300
CM095C3	10	N	N	N	N	10	100	N	<50	70	50
CM096C3	10	N	N	N	N	<10	150	N	70	50	N
CM098C3	<2	N	N	N	N	<10	700	N	N	50	1,000
CM099C3	<2	N	N	N	100	<10	150	N	N	70	50
CM101C3	10	N	N	N	N	N	150	N	50	50	N
CM102C3	10	N	N	N	N	N	150	N	50	10	N
CM103C3	7	N	N	N	N	<10	N	N	50	10	200
CM104C3	10	N	N	N	N	10	100	N	50	10	20
CM105C3	10	N	N	N	N	<10	100	N	50	10	N
CM106C3	10	N	N	N	N	10	N	N	N	10	50
CM107C3	10	N	N	N	N	<10	100	N	50	30	20
CM108C3	7	N	N	N	N	<10	N	N	N	10	50
CM109C3	10	N	N	N	N	<10	150	N	50	70	N
CM110C3	10	N	N	N	N	<10	150	N	50	50	N
CM111C3	10	N	N	N	N	<10	150	N	50	50	N
CM112C3	10	N	N	N	N	<10	300	N	70	70	N
CM113C3	7	N	N	N	N	<10	150	N	50	10	30
CM114C3	10	N	N	N	N	15	300	N	50	10	20
CM115C3	15	N	N	N	N	10	700	N	100	10	2,000
CM116C3	15	N	N	N	N	<10	150	N	50	70	30
CM117C3	15	N	N	N	N	<10	300	N	100	50	N
CM118C3	2	N	N	15	150	30	1,500	N	300	50	70
CM119C3	7	N	N	N	N	<10	300	N	100	10	50
CM120C3	7	N	N	N	N	10	1,500	30	200	10	200
CM121C3	5	N	N	N	300	10	1,000	N	200	50	50
CM122C3	5	N	N	N	N	<10	700	100	200	10	500
CM123C3	10	N	N	N	50	10	150	N	50	10	20
CM124C3	5	N	N	N	N	10	700	N	200	10	100
CM125C3	10	N	N	N	N	<10	100	N	50	10	20
CM126C3	10	N	N	N	N	<10	100	N	50	10	70
CM127C3	7	N	N	N	N	<10	100	N	70	10	50
CM128C3	7	N	N	N	N	<10	150	N	100	10	50
CM129C3	7	N	N	N	N	<10	200	N	150	10	50
CM130C3	5	N	N	N	N	10	1,000	N	200	10	20
CM131C3	20	N	N	N	N	<10	500	N	150	10	70
CM132C3	30	N	N	N	50	<10	1,000	N	200	10	70
CM133C3	2	N	N	N	100	20	150	N	70	10	200
CM134C3	20	N	N	N	N	<10	200	N	50	10	200
CM135C3	5	N	N	N	N	<10	200	N	50	10	20
CM136C3	5	N	N	N	N	<10	150	N	N	10	500
CM137C3	7	N	N	N	N	<10	150	N	N	10	500

Table 4.--Spectrographic Analyses of Non-magnetic Fractions of Heavy-mineral Concentrates from Stream Sediment Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
CM093C3	N	10	>2,000	N	<20	N	1,000	N	>2,000	<200
CM094C3	N	30	1,000	200	<20	N	700	N	>2,000	N
CM095C3	N	30	500	N	20	N	1,500	N	>2,000	<200
CM096C3	N	30	50	N	30	N	1,500	N	>2,000	<200
CM098C3	N	30	30	200	20	N	300	N	>2,000	500
CM099C3	N	30	N	700	50	N	200	N	>2,000	N
CM101C3	N	50	70	N	70	N	1,500	N	>2,000	N
CM102C3	N	50	50	N	50	N	1,500	N	>2,000	N
CM103C3	N	20	N	200	50	N	200	N	>2,000	N
CM104C3	N	20	70	200	50	N	500	N	>2,000	N
CM105C3	N	50	>2,000	N	50	N	1,500	N	>2,000	N
CM106C3	N	20	70	N	20	N	200	N	>2,000	N
CM107C3	N	50	1,500	N	70	N	1,000	N	>2,000	N
CM108C3	N	20	1,000	N	20	N	200	N	>2,000	N
CM109C3	N	70	500	N	70	N	2,000	N	>2,000	N
CM110C3	N	50	2,000	N	50	N	1,000	N	>2,000	N
CM111C3	N	70	20	N	70	N	1,500	N	>2,000	N
CM112C3	N	70	1,500	N	70	N	1,000	N	>2,000	N
CM113C3	N	20	70	N	20	N	150	N	>2,000	N
CM114C3	N	20	1,000	700	70	N	500	N	>2,000	N
CM115C3	N	50	150	700	150	N	1,500	N	>2,000	N
CM116C3	N	50	300	N	70	N	1,500	N	>2,000	N
CM117C3	N	50	1,500	N	70	N	1,500	N	>2,000	N
CM118C3	N	50	100	700	500	N	1,000	N	>2,000	N
CM119C3	N	30	300	200	70	N	300	N	>2,000	N
CM120C3	N	70	100	N	150	N	1,500	N	>2,000	500
CM121C3	N	50	150	N	150	N	1,000	N	>2,000	300
CM122C3	N	30	150	N	20	N	700	N	>2,000	500
CM123C3	N	50	100	5,000	100	N	1,000	N	>2,000	N
CM124C3	N	30	500	N	150	N	700	N	>2,000	N
CM125C3	N	50	200	N	50	N	1,500	N	>2,000	N
CM126C3	N	50	300	N	50	N	1,500	N	>2,000	N
CM127C3	N	20	N	N	20	N	150	N	>2,000	N
CM128C3	N	20	N	N	20	N	200	N	>2,000	N
CM129C3	N	20	N	N	50	N	300	N	>2,000	N
CM130C3	N	50	1,500	N	150	N	700	N	>2,000	700
CM131C3	N	70	2,000	N	70	N	1,000	N	>2,000	700
CM132C3	N	100	2,000	N	70	N	1,500	N	>2,000	N
CM133C3	N	70	1,500	200	200	N	200	N	>2,000	500
CM134C3	N	30	>2,000	N	50	N	500	N	>2,000	N
CM135C3	N	30	N	2,000	50	N	200	N	>2,000	N
CM136C3	N	30	70	5,000	70	N	500	N	>2,000	N
CM137C3	N	30	N	2,000	50	N	300	N	>2,000	N

Table 5.--Spectrographic Analyses of Rock Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
CM008R	37 23 27	114 26 57	2	.10	.3	.10	500	N	N	N	50	5[illegible]
CM014RA	37 21 0	114 24 30	3	.50	1.0	.50	700	N	N	N	50	2,000
CM014RB	37 21 0	114 24 30	2	.50	1.0	.50	500	N	N	N	30	2,000
CM015R	37 17 45	114 27 37	5	.10	.1	.50	700	N	N	N	30	2[illegible]
CM017RA	37 18 13	114 26 4	1	.05	.1	.10	500	N	N	N	30	<2[illegible]
CM017RB	37 18 13	114 26 4	2	.10	.3	.20	500	N	N	N	70	1[illegible]
CM079R	37 21 39	114 19 20	2	1.00	5.0	.50	700	N	N	N	70	1,0[illegible]
CM027R	37 17 48	114 24 22	7	2.00	3.0	1.00	700	N	N	N	10	1,0[illegible]
CM028R	37 17 48	114 23 10	10	2.00	3.0	1.00	500	N	N	N	10	1,0[illegible]
CM032RA	37 17 55	114 20 50	1	.10	.2	.10	100	N	N	N	10	1[illegible]
CM032RB	37 17 55	114 20 50	10	1.00	2.0	1.00	1,000	N	N	N	20	1,0[illegible]
CM033RA	37 18 20	114 20 37	7	1.00	1.0	.70	500	N	N	N	10	1,0[illegible]
CM033RB	37 18 20	114 20 37	10	3.00	3.0	1.00	1,000	N	N	N	10	1,0[illegible]
CM035R	37 19 13	114 20 2	10	3.00	3.0	1.00	1,000	N	N	N	10	1,0[illegible]
CM044RA	37 19 44	114 24 38	2	.20	.5	.20	500	N	N	N	50	2[illegible]
CM044RB	37 19 44	114 24 38	1	.50	3.0	.10	700	N	N	N	10	2[illegible]
CM046R	37 19 36	114 22 21	2	.10	.2	.10	500	N	N	N	10	<[illegible]
CM056RA	37 20 27	114 24 21	2	.05	.5	.10	500	N	N	N	70	<[illegible]
CM056RB	37 20 27	114 24 21	3	.70	3.0	.50	500	N	N	N	30	5[illegible]
CM074R	37 23 3	114 20 30	2	.20	.2	.20	500	N	N	N	30	5[illegible]
CM058R	37 21 20	114 25 42	20	2.00	5.0	>1.00	700	N	N	N	20	5[illegible]
CM083R	37 21 52	114 17 52	2	.20	.3	.20	500	N	N	N	30	5[illegible]
CM086R	37 18 40	114 17 21	1	.20	.2	.10	1,000	N	N	N	10	2[illegible]
CM088R	37 18 52	114 16 26	1	.05	.2	.20	50	N	N	N	<10	5[illegible]
CM091R	37 16 26	114 18 52	1	.05	.2	.10	500	N	N	N	10	[illegible]
CM092R	37 16 38	114 18 52	2	.20	.2	.50	500	N	N	N	<10	1,0[illegible]
CM093R	37 17 29	114 18 15	1	.10	.2	.10	200	N	N	N	30	[illegible]
CM094R	37 17 35	114 18 1	1	.10	.1	.10	300	N	N	N	10	[illegible]
CM097RA	37 18 9	114 15 24	7	2.00	3.0	.70	700	N	N	N	10	1,0[illegible]
CM097RB	37 18 9	114 15 24	10	1.00	2.0	1.00	700	N	N	N	10	1,0[illegible]
CM108RA	37 23 6	114 17 33	1	.10	.2	.10	500	5.0	N	N	30	2[illegible]
CM108RB	37 23 6	114 17 33	1	.05	.2	.07	200	N	N	N	30	2[illegible]
CM108RC	37 23 6	114 17 33	2	.10	.2	.20	500	N	N	N	10	5[illegible]
CM111R	37 24 18	114 23 29	2	.20	.2	.10	500	N	N	N	20	5[illegible]
CM113R	37 23 45	114 22 0	2	.20	.5	.10	700	N	N	N	30	5[illegible]
CM121R	37 26 5	114 25 23	7	2.00	5.0	1.00	700	N	N	N	10	1,0[illegible]
CM125R	37 26 48	114 24 13	7	1.00	5.0	.70	1,000	N	N	N	10	1,0[illegible]
CM133R	37 21 31	114 30 9	10	2.00	2.0	1.00	500	N	N	N	20	1,0[illegible]
CM135R	37 18 25	114 28 1	5	1.00	5.0	.50	1,000	N	N	N	30	1,[illegible]
CM136R	37 19 25	114 29 26	10	2.00	5.0	1.00	700	N	N	N	20	1,[illegible]

Table 5.--Spectrographic Analyses of Rock Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-p s
CM008R	10	<10	N	N	<10	100	200	N	20	5	
CM014RA	5	<10	N	N	10	100	150	N	<20	5	
CM014RB	2	<10	N	5	<10	100	150	N	<20	N	
CM015R	10	<10	N	N	<10	100	300	N	100	N	
CM017RA	10	N	N	N	<10	100	150	N	50	5	
CM017RB	10	N	N	N	<10	100	150	N	50	5	
CM079R	5	N	N	10	30	70	150	N	<20	10	
CM027R	1	15	N	30	100	200	100	N	<20	30	
CM028R	1	10	N	30	100	150	100	N	<20	30	
CM032RA	10	<10	N	N	<10	150	150	N	50	5	
CM032RB	1	N	N	20	70	100	150	N	<20	30	
CM033RA	1	N	N	20	70	150	100	N	<20	50	
CM033RB	1	N	N	30	70	100	150	N	<20	30	
CM035R	1	N	N	30	100	150	100	N	<20	50	
CM044RA	5	<10	N	N	<10	150	200	N	20	5	
CM044RB	10	N	N	N	10	20	50	N	20	10	
CM046R	5	<10	N	N	<10	150	150	N	70	5	
CM056RA	7	<10	N	N	<10	150	150	N	70	5	
CM056RB	7	N	N	10	10	100	100	N	20	5	
CM074R	5	N	N	N	<10	70	100	N	50	5	
CM058R	1	N	N	50	50	150	50	N	N	50	
CM083R	3	N	N	N	<10	20	200	N	50	5	
CM086R	10	<10	N	N	<10	150	70	N	20	5	
CM088R	5	N	N	N	10	100	70	N	50	10	
CM091R	5	N	N	N	<10	20	70	N	50	5	
CM092R	10	<10	N	N	<10	150	70	N	<20	5	
CM093R	5	N	N	N	<10	100	70	N	20	5	
CM094R	5	N	N	N	<10	70	100	N	50	5	
CM097RA	2	N	N	30	100	100	70	N	<20	50	
CM097RB	1	N	N	30	30	100	70	N	<20	10	
CM108RA	5	<10	N	10	<10	150	70	N	20	10	
CM108RB	5	<10	N	N	<10	150	100	N	20	5	
CM108RC	3	<10	N	10	20	150	70	N	<20	20	
CM111R	5	<10	N	5	<10	150	70	N	50	5	
CM113R	5	<10	N	N	<10	150	70	N	30	5	
CM121R	3	N	N	20	100	100	100	N	<20	50	
CM125R	1	N	N	20	50	100	100	N	<20	30	
CM133R	1	N	N	20	100	150	70	N	<20	50	
CM135R	1	N	N	20	50	100	70	N	<20	30	
CM136R	1	N	N	30	100	100	100	N	<20	30	

Table 5.--Spectrographic Analyses of Rock Samples from the Clover Mountains Wilderness Study Area, Lincoln County, Nevada

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
CM008R	N	5	N	N	20	N	100	N	200	
CM014RA	N	5	N	500	50	N	30	N	500	
CM014RB	N	5	N	500	50	N	20	N	500	
CM015R	N	5	N	N	10	N	70	N	700	
CM017RA	N	5	N	N	20	N	50	N	200	
CM017RB	N	5	N	100	20	N	50	N	300	
CM079R	N	7	N	1,000	100	N	30	N	200	
CM027R	N	10	N	1,000	200	N	20	N	500	
CM028R	N	10	N	500	200	N	20	N	500	
CM032RA	N	N	N	N	10	N	20	N	200	
CM032RB	N	10	N	1,000	150	N	20	N	500	
CM033RA	N	10	N	700	100	N	20	N	200	
CM033RB	N	10	N	1,000	200	N	20	N	500	
CM035R	N	15	N	1,000	500	N	30	N	500	
CM044RA	N	5	N	N	10	N	70	N	200	
CM044RB	N	5	N	500	50	N	50	N	100	
CM046R	N	N	N	N	10	N	100	N	200	
CM056RA	N	N	N	N	10	N	100	N	200	
CM056RB	N	5	N	500	100	N	100	N	500	
CM074R	N	5	N	100	10	N	100	N	200	
CM058R	N	20	N	500	200	N	50	N	500	
CM083R	N	5	N	100	10	N	100	N	300	
CM086R	N	5	N	N	10	N	50	N	100	
CM088R	N	5	N	100	10	N	100	N	300	
CM091R	N	5	N	N	10	N	70	N	300	
CM092R	N	5	N	100	20	N	20	N	300	
CM093R	N	N	N	N	10	N	50	N	100	
CM094R	N	5	N	100	10	N	50	N	300	
CM097RA	N	20	N	1,000	150	N	30	N	300	
CM097RB	N	20	N	1,000	150	N	50	N	500	
CM108RA	N	5	N	N	10	N	50	N	200	
CM108RB	N	5	N	N	10	N	30	N	200	
CM108RC	N	10	N	N	20	N	30	N	200	
CM111R	N	5	N	N	10	N	70	N	200	
CM113R	N	5	N	N	10	N	100	N	300	
CM121R	N	20	N	1,000	200	N	50	N	200	
CM125R	N	20	N	1,000	100	N	30	N	200	
CM133R	N	30	N	500	200	N	50	N	500	
CM135R	N	20	N	1,000	100	N	30	N	300	
CM136R	N	20	N	500	200	N	50	N	300	