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Reconnaissance Geochemistry of the Delamar Mountains Bureau of Land Management Wilderness Study Area (NV 050-0177), Lincoln County, Nevada

By

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CONTENTS

FIGURES

TABLES

APPENDICES

PLATES

EXECUTIVE (MANAGER) SUMMARY

A reconnaissance geochemical study of the Delamar Mountains Wilderness Study Area (WSA NV 050-0177) was conducted during June 1983. The WSA is located in southeastern Nevada (Figure 1). This study supplements the Delamar Mountains/Evergreen Geology-Energy-Minerals (GEM) Report (Great Basin GEM Joint Venture, 1983) by investigating the area for mineral resource potential and classifies sub-areas as to metallic mineral resource favorability.

The WSA is composed of the southern end of the Delamar Mountains. Paleozoic sediments are exposed along the southern and southwestern fringe but are covered by Tertiary volcanics in the central and northern portion of the WSA. The northeastern portion contains a collapsed caldera complex in the volcanic rocks. The WSA includes some alluvium filled valleys along the northern and southern fringes. A simplified geologic map is shown in Figure 2. There are no mining claims in the WSA.

The Paleozoic sediments exposed in the WSA are rated to have a low favorability at a moderate confidence level. The Tertiary volcanic rocks are rated to have a very low favorability at a low confidence level; the area covered by alluvium is rated to have a very low favorability at a very low confidence level.

INTRODUCTION

A reconnaissance geochemical survey of the Delamar Mountains Wilderness Study Area (WSA NV 050-0177) (Figure 1) was undertaken on the basis of recommendations made in the Delamar Mountains/Evergreen GEM Report (Great Basin GEM Joint Venture, 1983). The GEM report, a survey of existing literature prepared for the Bureau of Land Management (BLM), rates each area's favorability for geology, energy, and minerals (GEM) resources within the Wilderness Study Area (WSA). The present study supplements the GEM report by locating areas with metallic mineral resource potential not previously identified by prospects, claims, or private exploration. Regions within the study area are ranked for their resource potential using the BLM land classification system.

Stream-sediment, heavy-mineral concentrate from of stream sediment, and rock samples were collected during June 1983. Following chemical analysis for 31 elements by emission spectroscopy, the data were entered into the USGS Rock Analysis Storage System (RASS). Statistical analysis was performed by computer and areal plots of element distributions and other parameters were machine plotted.

LOCATION

The Delamar Mountains Wilderness Study Area (NV 050-0177) is approximately 205 square miles (530 km^2) in area, and is located in southern Lincoln County, Nevada, approximately 55 miles north of Las Vegas (Figure 1), within the Delamar Mountains/Evergreen GEM Resources Area (GRA no. NV-25) in the BLM Caliente Resource Area, Las Vegas District. It is on the U.S. Geological Survey 1:250,000 scale Caliente 1° x 2° sheet and on the following 1:24,000 quadrangles: Delamar 3 NE, Delamar 3 NW, Delamar 3 SE, Delamar 3 SW, Delamar Lake, Gregerson Basin, and Lower Pahranagat Lake. The nearest town is

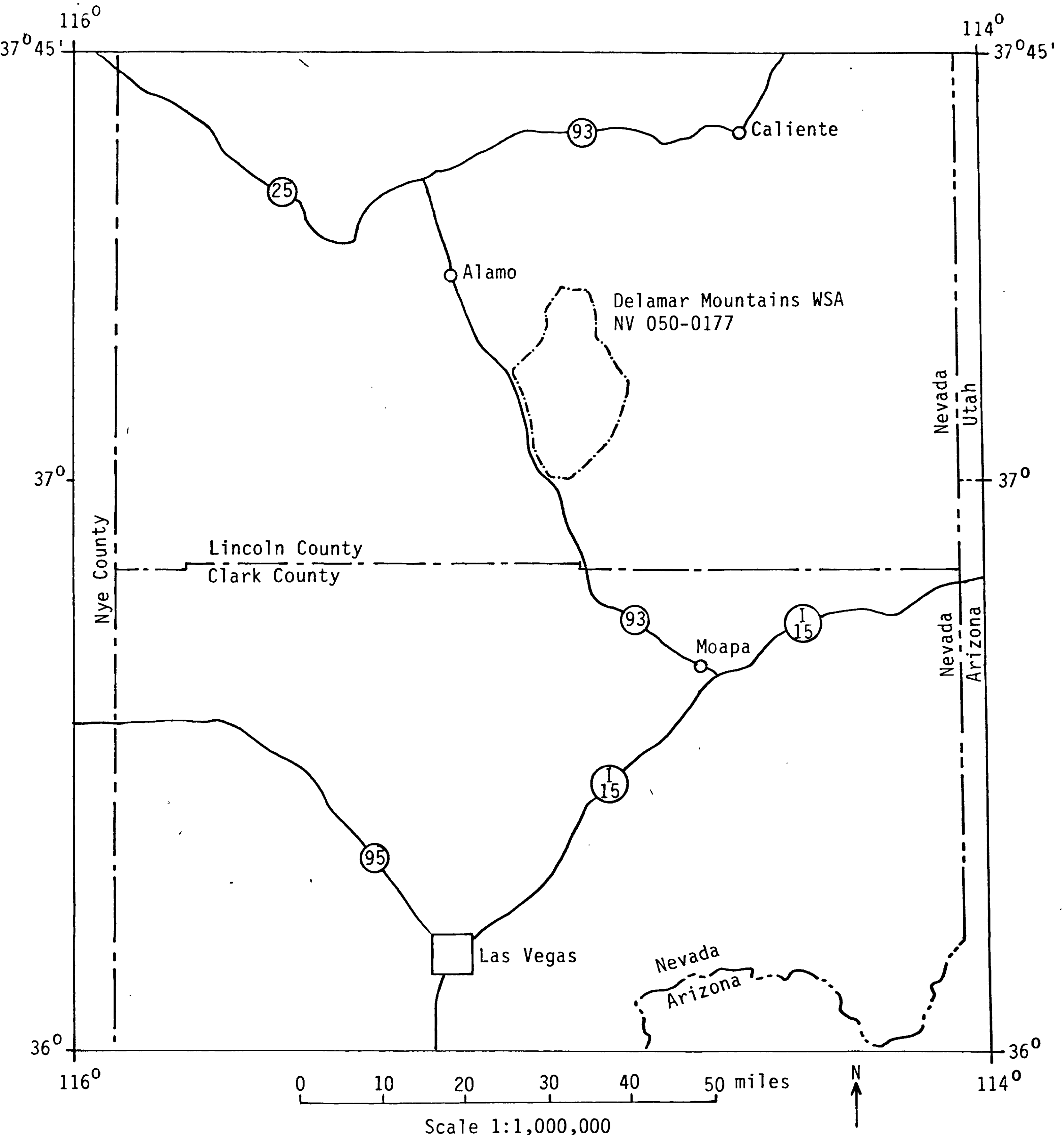
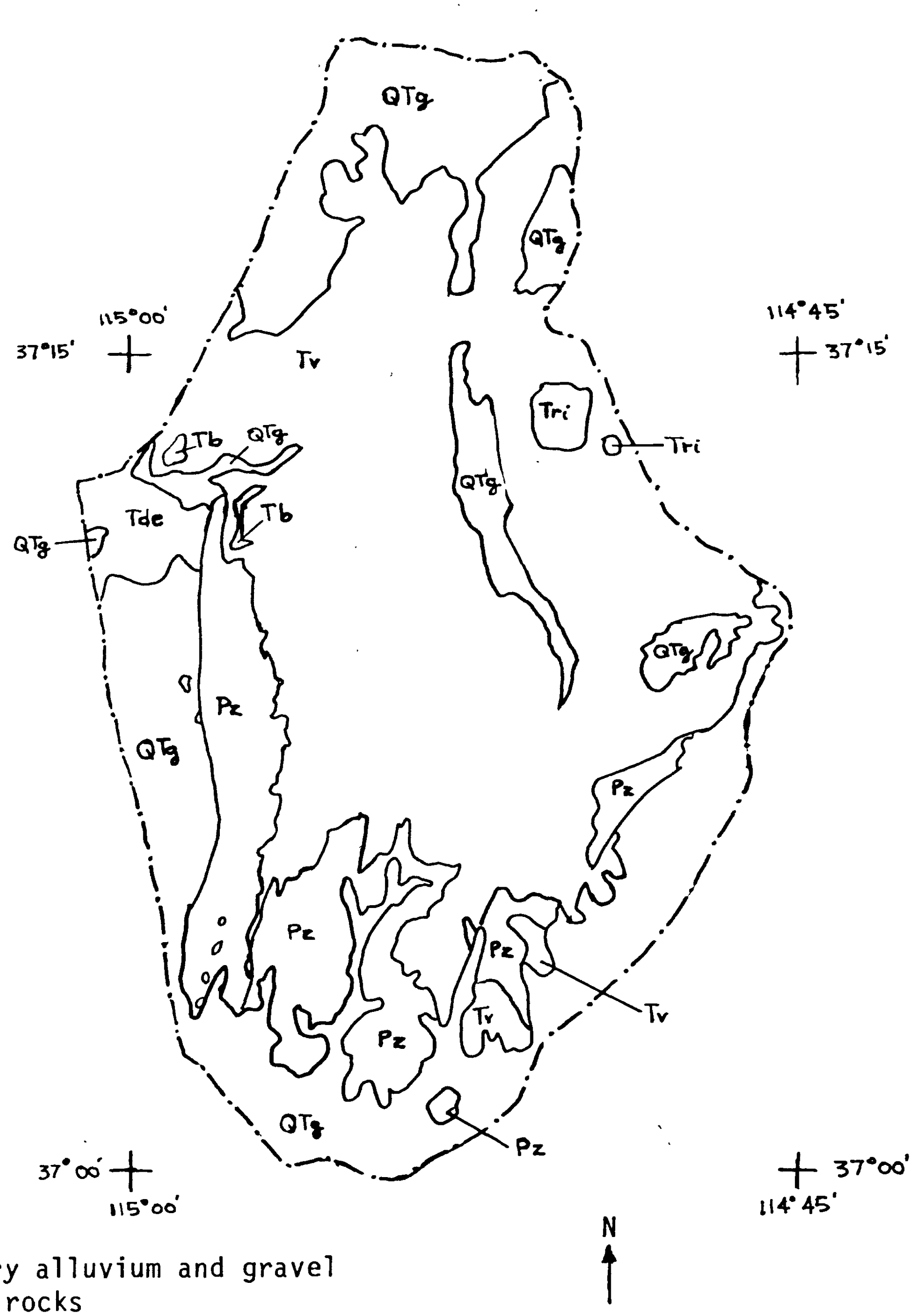


Figure 1. Study Area Location Map



Qtg-Quaternary-Tertiary alluvium and gravel
Tv- Tertiary volcanic rocks
Tde-Tertiary debries, a melange of chaotic blocks of tuff and lava
Tb- Tertiary basalt
Tri-Tertiary rhyolite plugs and dikes
Pz- Paleozoic sedimentary rocks
—·—·— WSA boundary

Figure 2. Simplified Geologic Map

Alamo, approximately 14 miles to the northwest. Access to the area is from Highway 93 along the western boundary, from a dirt road in Kane Springs Wash along the southeastern boundary, and from a dirt road in the Delamar Valley along the northwestern boundary. Access within the area on dirt roads or trails is very limited. This study was done by helicopter.

GEOLOGY

The Delamar Mountains WSA is composed of the southern end of the Delamar Mountains. Paleozoic sediments here have been thrust eastward and covered by Tertiary volcanics. A simplified geologic map is shown in Figure 2. Information relating to geology presented herein is summarized from Tschanz and Pampeyan (1970), Ekren et al. (1977), and the U.S. Bureau of Land Management GEM report (1983).

Physiography

The major portion of the WSA is covered by Tertiary volcanic rocks which form a mesa-like summit. The Paleozoic sediments crop out in the south producing more rugged topography. Alluvium fringes the WSA on both the north and south. The drainage is south into Kane Springs Wash and Pahranagat Wash, which form the Muddy River, a tributary to the Colorado. Elevations range from 3,000 feet to 6,300 feet.

Rock Units

A nearly complete Paleozoic section is exposed in the southern fringe of the Delamar Mountains. This section consists of Cambrian to Permian limestones, dolomites, and shales. Next is a Cretaceous-Tertiary clastic unit deposited unconformably on the Paleozoic rocks. A Tertiary assemblage of tuffs was deposited next. Tertiary rhyolite crops out in the northern part of the WSA as part of the Kane Springs Wash volcanic center caldera.

Structural Geology and Tectonics

Structures in the WSA consist of folds, thrusts, and tear faults of the Cretaceous Laramide orogeny and normal faults of Miocene-Pliocene Basin and Range origin.

The Delamar Mountains thrust plate displaced Paleozoic strata to the east. An associated subparallel syncline that is overturned lies to the east.

The Kane Springs Wash Caldera of Late Tertiary age exhibits collapse features and was filled by subsequent volcanism.

Basin and Range Miocene-Pliocene normal faults have a northerly trend. The west face of the southern portion of the Delamar Mountains follows the Coyote Springs fault which has a displacement of 1,000 feet.

Paleontology

The majority of the WSA is of unsuitable lithology for the preservation of fossils with the exception of the Paleozoic sediments in the southern part.

Historical Geology

The deposition of Paleozoic marine carbonate and clastic sediments was followed by deposition of Mesozoic sediments, which have been largely eroded during the Laramide orogeny of uplift, thrust, and tear faulting. Oligocene-Pliocene volcanism deposited tuff and resulted in the formation and collapse of the Kane Springs Wash Caldera. Basin and Range faulting was followed by erosion and the deposition of alluvium in adjacent valleys.

MINERAL RESOURCES

There are no known metallic mineral deposits, prospects, occurrences, or mineralized areas in the WSA. There are no mining claims.

GEOCHEMISTRY

The purpose of this regional geochemical survey was to provide information relating to possible mineralization and permit the land classification of the WSA for metallic mineral potential. No previous geochemical exploration studies are known to have been made. The GEM report (Great Basin GEM Joint Venture, 1983) classified the entire area as one of low favorability for metallic mineral potential.

Sampling Design

Samples were collected at 191 sites (plate 1), yielding a sampling density of 0.93 samples per square mile. Sites were generally selected on first-order streams (without tributaries as shown on USGS 1:24,000 topographic maps) or small second-order streams (formed by the juncture of two first-order or a first- and second-order stream). Sites were chosen to give near uniform coverage of the area for reconnaissance sampling.

Sample Media Selection

Stream sediments were chosen as the primary sample media because of the relatively large drainage area represented by each sample. Two sub-groups were utilized: (1) the medium to fine fraction (-80 mesh) of the active sediment in the bed load of the stream, and (2) the heavy minerals incorporated in the bed load of the stream.

The first of these media provides a geochemical cross section of the transported components of the drainage basin. The composition of the -80 mesh fraction is controlled mainly by the major geologic units and to a lesser extent by scavenging materials such as iron-manganese oxides, clays, and organic matter. Trace-metal components, which might originate from a potentially economic mineral deposit, may be reflected in this sample medium but the trace-metal concentration is small because of the dilution by the barren material from the major components of the basin.

The second sample medium, the heavy-mineral concentrate, is used to enhance the influence of minor components such as ore-related minerals. Many ore minerals are resistant to abrasion, are of high specific gravity, and are nonmagnetic. Weathering products of these ore minerals are transported by streams as detrital grains and are separated from low specific gravity diluting minerals such as quartz, feldspar, and mica by field panning and laboratory specific gravity separation. In the heavy-mineral fraction produced by specific gravity separation, ore minerals are further separated on the basis of magnetic susceptibility from interfering and diluting iron and magnesium silicate minerals. Ore elements incorporated in the silicate mineral lattice are removed with the iron and magnesium silicate minerals in the more magnetic fraction. The same element in an ore mineral is retained in the nonmagnetic fraction. Anomalous element concentrations related to mineralization are thereby enhanced. Analysis of this subset, the nonmagnetic fraction of a heavy-mineral concentrate, results in more frequent detection of ore-related anomalous elements whose natural abundance in rock or stream-sediment material is often below analytical detection limits.

Rock samples from outcrops and float provide information on background concentrations of elements in unaltered rocks. Some rock samples were taken at localities showing alteration or mineralization.

Sample Collection

Both a stream sediment and stream sediment taken for preparation of a heavy-mineral concentrate were collected at 191 sites. Both sediment samples were passed through a 10-mesh (2-mm) sieve. Sufficient sample to fill a 4 1/2" by 6" cloth bag (0.5 lb) was collected for the stream-sediment sample, and sufficient sample to fill two 5 1/2" by 10" bags (6.8 lb) was collected for the heavy-mineral-concentrate sample. The stream-sediment sample was composited across the stream bed to be as representative as possible; the stream sediment taken for preparation of a heavy-mineral concentrate was selected to give a high yield of heavy minerals. All heavy-mineral-concentrate samples were panned at the Meadow Valley Wash near Caliente. All but eight samples yielded enough heavy-mineral concentrate for analysis. Rock samples were collected at 25 sites.

Sampling sites were assigned a two-letter prefix. The first letter "D" denotes the site as being in the Delamar Mountains WSA. The second letter identifies the person collecting the sample and therefore the pertinent field notebook. Consecutive three-digit numbers were assigned from 001 to 191. A single-letter suffix designates the sample type: S--stream sediment, C--heavy-mineral concentrate, R--rock.

Sample Preparation

Stream-sediment samples were passed through an 80-mesh stainless steel sieve and analyzed spectrographically.

Following panning, heavy-mineral concentrate samples were passed through a 30-mesh stainless steel sieve, and minerals with a specific gravity of less than 2.85 were separated by flotation in bromoform and discarded. The heavy minerals were separated into three fractions on the basis of magnetic susceptibility. The most magnetic fraction (largely magnetite) was separated with a hand magnet and discarded. The remainder was separated into two fractions with a Frantz Isodynamic Separator set at a slope of 15°, tilt of 10°, and current of 1.0 ampere. The intermediate magnetic fraction of largely ferromagnesian silicates and limonite was saved but not analyzed. The nonmagnetic fraction can contain low-iron magnesium silicates, barite, apatite, sphene, zircon, tourmaline, brookite, rutile, most sulfide minerals and secondary minerals (alteration products) of base metals. This nonmagnetic fraction was split: one fraction was hand ground and analyzed spectrographically; the other fraction was saved for future mineralogic study.

Rock samples were crushed and pulverized to minus 0.15 mm and analyzed spectrographically.

Sample Analysis

All samples were analyzed for 31 elements by a D.C. arc semiquantitative emission spectrographic method (Grimes and Marranzino, 1968). Element concentrations were determined by visual comparison of sample spectra with spectra of standards prepared in concentration steps of 1, 2, 5, 10, etc. Samples were estimated to be equal to a standard concentration step or intermediate and assigned a value of 1.5, 3, 7, 15, etc. Six values are therefore possible for a given order of magnitude (1, 1.5, 2, 3, 5, 7). Detection limits for rock and stream sediment samples for which a 10-mg sample is analyzed are presented in Table 1. Detection limits for heavy-mineral-concentrate samples for which only a 5-mg sample is analyzed to reduce spectral interferences are two reporting steps higher (approximately twice those of stream sediments).

Data Storage and Statistical Methods

Chemical analysis data and sample site locations (latitude and longitude) were entered in the U.S. Geological Survey computer data storage system entitled Rock Analysis Storage System (RASS). Statistical treatment of the data and plotting was performed with the U.S. Geological Survey Statistical Package (STATPAC) (VanTrump and Miesch, 1977).

Chemical analysis data for the three sample media (stream sediment, heavy-mineral concentrate, and rock) along with sample site location are presented in Appendices A, B, and C.

Histograms of the distribution of analytical data for each of the 31 elements determined were obtained for each sample media and used in setting background levels and concentration ranges for symbol representation in element distribution plots for map overlay.

Plots at a scale of 1:50,000 of the distribution of copper, molybdenum, lead, and zinc are presented in Plate 2. Plots of barium, boron, and thorium in are presented in Plate 3.

Associations of chemical elements may in some cases identify geologic or geochemical processes such as lithology, weathering, secondary dispersion, adsorption, or mineralization more clearly than the untreated analysis data. Factor analysis is a mathematical technique for deriving these associations. R-mode factor analysis (VanTrump and Miesch, 1976) was used to simplify the analysis for 31 elements down to a few factors which could be assigned some geochemical meaning.

Table 1.--Detection limits for stream sediment and rock analysis

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

Table 2 presents the factor loadings for R-mode factor analysis of heavy-mineral concentrates for 23 elements. Eight elements (Ag, As, Au, Bi, Cd, Sb, Th, and W) were not included in the factor analysis due to lack of unqualified data. Also included is the percent of the total variance of the 23 elements which is explained by the use of up to five factors.

Factor 1 is an association related to barite and carbonate minerals. High correlations with barium, strontium, calcium, and magnesium concentrations are associated with this factor. Factor 2 is an association probably related to a mineralization event. High correlations with iron, manganese, boron, cobalt, copper, molybdenum, niobium, nickel, lead, and zinc are associated with this factor. Factor 3 is an association related to the felsic group of minerals. High correlations with titanium, lanthanum, niobium, tin, and zinc are associated with this factor. Factor 4 is an association related to the ferride group of elements. High correlations with iron, magnesium, calcium, manganese, cobalt, chromium, nickel, scandium, and vanadium are associated with this factor. Factor 5 is an association probably related to zircon and its occurrence in igneous and clastic rocks derived therefrom, compared to its relative absence from chemically precipitated carbonate rocks. High correlations with beryllium, lanthanum, yttrium, and zirconium and a negative correlation with strontium are associated with this factor.

Factor 2, a mineralization-related factor with high loadings of boron, copper, molybdenum, and lead is plotted at a scale of 1:50,000 on plate 4.

Interpretation of Geochemical Anomalies

Some general trends in the distribution of ore-related elements in the element distribution plots and factor score plots are apparent.

Several elements, including barium, copper, molybdenum, and lead in the heavy-mineral concentrates, are more concentrated in the Paleozoic sediments along the southern and southwestern fringe of the range than in the Tertiary volcanic terrane of the central and northern portion of the WSA. The distribution of Factor 2 of the heavy-mineral concentrate (B, Cu, Mo, Pb mineralization) shows this association with the Paleozoic sediments to an even greater degree.

Some anomalous values for the above elements are found in the Tertiary volcanic terrane in the central part of the WSA and may be related to north trending Basin and Range faults. No geochemical association with the Kane Springs Wash volcanic center or the rhyolite plug in the northeastern portion of the WSA (Ekren et al., 1977) is apparent from the data.

Tschanz and Pampeyan (1973) describe the mineral deposits of Lincoln County as hydrothermal. These deposits, in decreasing order of production, are: bedded replacement deposits in limestone, epithermal fissure veins, irregular replacement deposits in limestone or dolomite, pyrometasomatic deposits, replacement veins, and deposits in jasperoid. The structural and stratigraphic controls are very marked. Deposits are concentrated in the lowest Cambrian limestone member of the Pioche Shale. The underlying Prospect Mountain Quartzite contains epithermal vein deposits. Incompetent Pioche or Chisholm Shales are favored horizons for movement which shattered limestones and provided channels for solution migration.

Table 2.--Varimax factor loadings for heavy-mineral concentrates, 23 elements, R-mode factor analysis (loadings not given when less than 0.2 absolute values)

Element	Factor 1 Barite, Carbonate	Factor 2 Mineralization B, Cu, Mo, Pb	Factor 3 Felsic	Factor 4 Ferride	Factor 5 Be, Y, Zr
Fe		0.5	0.5	0.6	
Mg	0.4		0.2	0.6	
Ca	0.6			0.6	
Ti	0.3		0.7	0.5	
Mn	0.2	0.5	0.5	0.6	
B		0.8		0.3	
Ba	0.8	0.2		0.2	
Be	-0.2			-0.4	0.5
Co		0.4		0.8	
Cr				0.8	
Cu		0.7	0.3	0.5	
La		0.2	0.7	0.5	0.3
Mo		0.7	0.5		
Nb		0.4	0.6	0.3	
Ni		0.4		0.8	
Pb		0.8	0.4		
Sc				0.8	
Sn			0.7		
Sr	0.8				-0.3
V	0.3	0.3		0.8	
Y		-0.2	0.4		0.8
Zn	-0.3	0.4	0.6		
Zr					0.7
Percent of variance explained	41	56	64	70	75

The Pioche Shale and Prospect Mountain Quartzite, which are productive in other areas of Lincoln County, are not exposed in the southern fringe of Paleozoic sediments of the Delamar Mountains WSA and have an additional cover of Tertiary volcanics in the central and northern portions. The geochemical anomalies found in the Paleozoic sediments of the south and southwest portion of the WSA may be related to solution migration upward through the north trending Basin and Range faults.

LAND CLASSIFICATION FOR GEM RESOURCES POTENTIAL, METALLIC MINERALS

Land classifications are shown on plate 5 at a scale of 1:100,000. The boundaries and letter and number designation for the metallic mineral land classification areas are those presented in the GEM report (Great Basin GEM Joint Venture, 1983).

Areas are classified as to both level of favorability and level of certainty using the BLM classification scheme shown in Table 3. This is the same rating system used in the GEM report.

Each area shown on plate 5 has an area designation number with an "M" prefix and a number rating of favorability and a letter designation of certainty. M1-2C, for example, indicates that metallic mineral resource area number one is rated as having low favorability (2) with a moderate level of confidence (C) for metallic mineral resource potential.

The areas shown on plate 5 are rated as follows:

M1-2C: This area includes all the Paleozoic rocks along the southern and southwestern edge of the Delamar Mountains. No deposits or occurrences are known in this area but mineral deposits are known at other locations in Lincoln County in the lower Cambrian units that are exposed here. The geochemical data contains anomalous concentrations of lead, copper, and molybdenum which may indicate migration of solutions from the underlying strata. The rating is of low potential at a moderate confidence level.

M2-1B: The area includes the Tertiary volcanic rocks which cover the major portion of the Delamar Mountains in the WSA. The classification indicates no evidence of favorability for the occurrence of metallic minerals but at a low level of certainty. The Paleozoic sediments exposed in area M1 here have a cover of Tertiary volcanics so that their nature is unknown. The Delamar mining district to the north suggests that mineralization under the volcanic cover is possible here although undetected by the geochemical sampling.

M3-1A: The area includes the area covered by alluvium surrounding the outcrop areas of Tertiary volcanics and Paleozoic sediments forming the southern portion of the Delamar Mountains. The classification is of no evidence indicating favorability for metallic minerals but at a very low level of certainty. Geochemical sampling of this area was done only at the emergence of drainages from the mountains. The nature of the underlying bedrock is unknown.

Table 3.--BLM Land Classification System

I. Level 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 considered 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 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 valid geochemical/ geophysical anomaly, and 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.

RECOMMENDATIONS FOR ADDITIONAL WORK

1. More detailed geologic mapping in the area of Paleozoic sediments in the southern and southwestern portion of the WSA to determine structure and mineralization features.
2. More detailed geochemical studies in the above area of Paleozoic sediments to better delineate anomalous areas.
3. More detailed geologic mapping in the area of the Kane Springs Wash Caldera to determine features relating to mineralization.

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APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada

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
DY001S	37 3 13	114 51 13	7.0	2.0	5.0	.70	1,000	N	N	N	100	500
DN002S	37 3 53	114 51 21	2.0	2.0	10.0	.50	500	N	N	N	50	200
DB003S	37 3 53	114 50 58	3.0	2.0	5.0	.50	700	N	N	N	70	500
DY004S	37 4 35	114 50 49	3.0	2.0	10.0	.70	700	N	N	N	100	500
DN005S	37 4 46	114 50 46	2.0	3.0	10.0	.50	500	N	N	N	70	200
DB006S	37 5 26	114 50 47	3.0	2.0	10.0	.50	700	N	N	N	70	500
DY007S	37 5 11	114 50 7	3.0	2.0	2.0	.70	700	N	N	N	70	500
DN008S	37 5 38	114 49 32	2.0	1.0	5.0	.50	700	N	N	N	50	500
DB009S	37 5 55	114 49 18	10.0	2.0	10.0	1.00	2,000	N	N	N	50	700
DY010S	37 6 28	114 49 20	10.0	2.0	7.0	1.00	1,000	N	N	N	100	500
DN011S	37 6 34	114 49 5	7.0	2.0	10.0	.70	700	N	N	N	50	700
DB012S	37 7 4	114 48 30	2.0	2.0	10.0	.50	500	N	N	N	70	500
DY013S	37 7 19	114 49 6	10.0	2.0	5.0	1.00	2,000	N	N	N	50	1,000
DN014S	37 7 43	114 49 26	5.0	2.0	2.0	.70	1,000	N	N	N	70	700
DB015S	37 7 53	114 48 59	10.0	2.0	2.0	1.00	2,000	N	N	N	70	700
DY016S	37 7 34	114 48 18	5.0	1.0	5.0	.50	700	N	N	N	50	700
DN017S	37 7 56	114 47 59	10.0	1.0	2.0	1.00	1,000	N	N	N	50	700
DB018S	37 8 10	114 47 24	7.0	1.0	3.0	.70	1,000	N	N	N	50	1,000
DY019S	37 8 28	114 47 7	5.0	1.0	2.0	.50	700	N	N	N	70	300
DN020S	37 8 55	114 46 30	3.0	1.0	3.0	.50	700	N	N	N	70	500
DB021S	37 9 21	114 46 21	3.0	.7	1.0	.70	1,000	N	N	N	70	200
DY022S	37 9 25	114 48 34	10.0	1.0	2.0	1.00	1,000	N	N	N	50	700
DN023S	37 10 2	114 48 50	5.0	1.0	2.0	.70	700	N	N	N	50	200
DB024S	37 10 15	114 48 28	5.0	1.0	1.0	.70	1,000	N	N	N	50	200
DN025S	37 2 23	114 51 39	10.0	2.0	5.0	1.00	1,000	N	N	N	50	1,000
DK026S	37 2 32	114 52 17	5.0	2.0	2.0	.50	700	N	N	N	50	700
DB027S	37 2 17	114 53 20	7.0	2.0	5.0	.70	700	N	N	N	50	700
DN028S	37 2 9	114 53 25	5.0	3.0	10.0	.50	500	N	N	N	30	300
DK029S	37 1 39	114 53 44	3.0	2.0	10.0	.70	700	N	N	N	30	500
DB030S	37 1 43	114 54 12	2.0	3.0	10.0	.50	500	N	N	N	50	500
DN031S	37 1 47	114 54 32	3.0	3.0	10.0	.70	700	N	N	N	50	500
DK032S	37 2 7	114 55 8	2.0	2.0	10.0	.50	500	N	N	N	30	500
DB033S	37 1 58	114 56 18	2.0	3.0	10.0	.50	500	N	N	N	50	300
DN034S	37 3 12	114 55 27	2.0	3.0	10.0	.50	500	N	N	N	30	300
DK035S	37 2 59	114 55 47	2.0	3.0	10.0	.50	500	N	N	N	50	300
DB036S	37 2 58	114 56 11	2.0	3.0	10.0	.30	500	N	N	N	50	300
DN037S	37 3 8	114 56 51	3.0	2.0	10.0	.50	500	N	N	N	70	500
DK038S	37 3 3	114 57 25	2.0	3.0	10.0	.50	500	N	N	N	50	300
DB039S	37 3 43	114 57 12	2.0	3.0	10.0	.50	500	N	N	N	50	500
DN040S	37 4 23	114 56 44	20.0	2.0	2.0	>1.00	2,000	N	N	N	100	500
DK041S	37 5 32	114 56 45	5.0	2.0	2.0	.70	1,000	N	N	N	50	700
DB042S	37 4 24	114 57 47	2.0	5.0	10.0	.20	300	N	N	N	30	200
DN043S	37 5 28	114 58 18	1.0	3.0	10.0	.20	200	N	N	N	30	200
DK044S	37 5 9	114 58 30	1.0	3.0	10.0	.30	200	N	N	N	20	200
DB045S	37 4 35	114 58 48	2.0	3.0	10.0	.70	500	N	N	N	30	300

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
DY001S	1	10	N	20	70	100	N	N	30	50	N	15
DN002S	1	N	N	5	50	20	N	N	15	50	N	5
DB003S	2	<10	N	15	30	70	N	N	15	50	N	10
DY004S	1	N	N	10	50	70	N	N	15	50	N	10
DN005S	1	N	N	5	30	20	N	N	15	50	N	5
DB006S	1	N	N	15	30	50	N	N	10	50	N	5
DY007S	2	N	N	15	30	50	N	N	10	50	N	5
DN008S	2	N	N	5	20	50	N	N	10	50	N	7
DB009S	1	N	N	20	30	150	N	<20	30	70	N	10
DY010S	1	10	N	20	30	100	N	<20	30	50	N	10
DN011S	1	N	N	10	20	200	N	N	10	30	N	7
DB012S	1	<10	N	10	50	200	N	N	10	50	N	5
DY013S	2	10	N	30	70	100	N	N	20	50	N	10
DN014S	2	N	N	10	20	70	N	N	10	30	N	7
DB015S	1	N	N	20	30	100	N	<20	20	50	N	10
DY016S	1	<10	N	10	30	50	N	N	10	70	N	5
DN017S	1	<10	N	20	70	100	N	N	20	30	N	10
DB018S	2	<10	N	15	20	200	N	N	10	20	N	10
DY019S	5	<10	N	15	20	100	N	20	10	70	N	5
DN020S	5	10	N	7	30	100	N	<20	10	70	N	5
DB021S	5	<10	N	7	20	500	N	50	10	50	N	5
DY022S	2	<10	N	15	20	100	N	<20	10	20	N	10
DN023S	5	10	N	5	10	200	N	30	5	70	N	5
DB024S	5	10	N	5	20	200	N	70	10	70	N	10
DN025S	1	10	N	50	100	100	N	<20	50	50	N	15
DK026S	1	10	N	20	70	200	N	<20	20	50	N	10
DB027S	1	10	N	15	70	50	N	<20	20	70	N	10
DN028S	1	N	N	10	50	20	N	N	15	70	N	7
DK029S	1	<10	N	10	30	20	N	<20	10	70	N	7
DB030S	1	N	N	10	50	20	N	N	15	50	N	7
DN031S	2	10	N	15	50	20	N	<20	20	70	N	10
DK032S	2	<10	N	10	30	20	N	N	10	50	N	5
DB033S	2	<10	N	10	30	70	N	N	15	70	N	10
DN034S	1	N	N	10	50	20	N	<20	10	50	N	5
DK035S	1	N	N	10	50	70	N	<20	10	70	N	5
DB036S	1	N	N	10	50	20	N	<20	10	70	N	5
DN037S	1	N	N	10	50	20	N	<20	15	70	N	7
DK038S	1	N	N	10	50	20	N	<20	10	70	N	5
DB039S	1	N	N	10	50	20	N	<20	10	30	N	7
DN040S	1	N	N	100	500	200	N	20	70	30	N	10
DK041S	1	<10	N	15	70	70	N	<20	30	70	N	10
DB042S	1	<10	N	5	30	20	N	N	10	70	N	5
DN043S	1	<10	N	5	30	20	N	<20	10	70	N	5
DK044S	1	<10	N	5	30	20	N	<20	10	70	N	5
DB045S	1	10	N	5	30	20	N	<20	10	70	N	5

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DY001S	N	500	200	N	50	N	500	N
DN002S	N	300	70	N	20	N	300	N
DB003S	N	300	100	N	50	N	500	N
DY004S	N	300	100	N	30	N	300	N
DN005S	N	300	70	N	20	N	300	N
DB006S	N	500	100	N	30	N	300	N
DY007S	N	500	100	N	30	N	300	N
DN008S	N	300	100	N	70	N	300	N
DB009S	N	300	300	N	50	N	700	N
DY010S	N	300	500	N	50	N	700	N
DN011S	N	500	150	N	30	N	500	N
DB012S	N	200	100	N	30	N	300	N
DY013S	N	500	300	N	50	N	1,000	N
DN014S	N	500	150	N	30	N	200	N
DB015S	N	500	500	N	50	N	1,000	N
DY016S	N	500	100	N	30	N	200	N
DN017S	N	500	300	N	50	N	500	N
DB018S	N	500	100	N	50	N	500	N
DY019S	N	100	70	N	70	N	500	N
DN020S	N	100	70	N	70	N	500	N
DB021S	N	100	70	N	70	N	1,000	N
DY022S	N	300	200	N	70	<200	1,000	N
DN023S	N	200	70	N	70	N	500	N
DB024S	N	100	100	N	100	N	1,000	N
DN025S	N	500	300	N	50	N	500	N
DK026S	N	500	150	N	30	N	500	N
DB027S	N	500	200	N	30	N	500	N
DN028S	N	200	100	N	20	N	200	N
DK029S	N	200	100	N	20	N	300	N
DB030S	N	200	70	N	15	N	500	N
DN031S	N	200	100	N	30	N	200	N
DK032S	N	200	70	N	30	N	200	N
DB033S	N	200	70	N	20	N	100	N
DN034S	N	200	50	N	20	N	100	N
DK035S	N	200	50	N	20	N	200	N
DB036S	N	200	50	N	15	N	200	N
DN037S	N	200	70	N	20	N	300	N
DK038S	N	200	70	N	20	N	200	N
DB039S	N	200	50	N	20	N	200	N
DN040S	N	200	1,000	N	50	N	500	N
DK041S	N	200	100	N	30	N	300	N
DB042S	N	200	50	N	15	N	100	N
DN043S	N	200	50	N	10	N	200	N
DK044S	N	200	50	N	20	N	200	N
DB045S	N	200	100	N	20	N	500	N

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, 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
DN046S	37 4 31	114 52 2	7.0	1.0	7.0	.70	1,000	N	N	N	50	300
DK047S	37 4 14	114 52 12	20.0	2.0	3.0	1.00	2,000	N	N	N	70	300
DB048S	37 3 40	114 52 14	3.0	2.0	10.0	.50	500	N	N	N	70	300
DN049S	37 3 29	114 52 37	10.0	2.0	3.0	.70	1,000	N	N	N	50	700
DK050S	37 3 12	114 53 23	2.0	2.0	10.0	.50	1,000	N	N	N	100	1,000
DB051S	37 3 25	114 53 47	10.0	2.0	5.0	>1.00	1,500	N	N	N	50	500
DN052S	37 3 27	114 54 20	3.0	3.0	10.0	.50	700	N	N	N	30	300
DK053S	37 4 8	114 54 32	3.0	2.0	3.0	.50	700	N	N	N	30	500
DB054S	37 4 43	114 54 27	7.0	2.0	5.0	.70	700	N	N	N	50	500
DN055S	37 4 10	114 55 15	3.0	5.0	10.0	.50	500	N	N	N	30	300
DK056S	37 4 40	114 55 12	3.0	5.0	10.0	.20	500	N	N	N	30	200
DB057S	37 5 7	114 55 19	1.0	5.0	10.0	.20	700	N	N	N	30	200
DN058S	37 7 5	114 51 17	7.0	1.0	2.0	.50	700	N	N	N	50	500
DK059S	37 6 33	114 51 25	2.0	1.0	10.0	.50	500	N	N	N	70	500
DB060S	37 6 11	114 51 29	2.0	2.0	10.0	.50	700	N	N	N	70	500
DN061S	37 5 57	114 52 7	3.0	1.0	2.0	.50	700	N	N	N	70	500
DK062S	37 6 8	114 52 11	7.0	1.0	2.0	.70	1,000	N	N	N	50	500
DB063S	37 5 14	114 52 19	7.0	1.0	2.0	.70	700	N	N	N	50	300
DN064S	37 5 38	114 53 7	7.0	1.0	5.0	.70	1,000	N	N	N	70	700
DK065S	37 5 17	114 53 11	7.0	2.0	10.0	.50	5,000	N	N	N	30	500
DB066S	37 5 3	114 53 51	7.0	3.0	10.0	.50	700	N	N	N	30	300
DY067S	37 3 18	114 58 54	5.0	2.0	5.0	.50	1,000	N	N	N	70	700
DK068S	37 3 39	114 57 57	5.0	3.0	10.0	.50	500	N	N	N	50	300
DY069S	37 5 48	114 58 12	2.0	3.0	20.0	.20	500	N	N	N	50	300
DK070S	37 6 10	114 58 5	7.0	5.0	10.0	1.00	700	N	N	N	10	100
DB071S	37 6 33	114 57 51	5.0	5.0	10.0	.70	500	N	N	N	50	300
DY072S	37 6 54	114 57 48	1.0	5.0	10.0	.20	200	N	N	N	15	100
DK073S	37 7 23	114 58 3	2.0	3.0	10.0	.50	500	N	N	N	30	200
DB074S	37 7 43	114 57 27	2.0	3.0	10.0	.50	500	N	N	N	50	200
DB075S	37 7 41	114 57 54	2.0	3.0	10.0	.50	500	N	N	N	50	200
DY076S	37 8 58	114 57 31	3.0	3.0	10.0	.50	500	N	N	N	10	200
DY077S	37 8 55	114 57 32	2.0	3.0	10.0	.20	500	N	N	N	20	200
DK078S	37 8 13	114 58 18	.5	5.0	10.0	.05	200	N	N	N	<10	50
DK079S	37 9 57	114 57 21	5.0	2.0	5.0	.70	1,000	N	N	N	50	500
DK080S	37 9 43	114 57 18	10.0	2.0	2.0	1.00	1,000	N	N	N	70	700
DY081S	37 9 25	114 58 23	2.0	3.0	10.0	.50	500	N	N	N	50	200
DB082S	37 9 3	114 58 42	2.0	5.0	10.0	.20	500	N	N	N	30	200
DK083S	37 11 22	114 48 27	10.0	1.0	2.0	1.00	1,000	N	N	N	50	500
DY084S	37 11 16	114 48 28	5.0	1.0	2.0	.70	700	N	N	N	50	500
DB085S	37 10 26	114 47 42	20.0	1.0	2.0	1.00	2,000	N	N	N	70	500
DY086S	37 10 52	114 46 6	10.0	1.0	2.0	1.00	1,000	N	N	N	70	700
DK087S	37 11 12	114 46 47	10.0	1.0	2.0	1.00	1,000	N	N	N	70	700
DB088S	37 11 23	114 46 2	10.0	1.0	2.0	1.00	2,000	N	N	N	70	500
DY089S	37 11 57	114 47 17	3.0	1.0	2.0	.50	700	N	N	N	50	700
DB090S	37 12 4	114 48 7	10.0	1.0	2.0	>1.00	1,000	N	N	N	50	500

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
DN046S	1	N	N	10	50	20	N	<20	50	30	N	10
DK047S	1	N	N	50	200	500	N	20	70	50	N	10
DB048S	2	<10	N	10	70	20	N	N	30	70	N	10
DN049S	1	10	N	20	70	150	N	N	30	70	N	15
DK050S	2	<10	N	10	50	20	N	N	15	70	N	10
DB051S	1	10	N	50	70	200	N	<20	50	50	N	10
DN052S	1	10	N	20	50	70	N	N	20	70	N	10
DK053S	1	10	N	10	30	50	N	N	15	70	N	10
DB054S	1	<10	N	15	30	200	N	N	15	70	N	10
DN055S	1	<10	N	15	50	20	N	N	20	70	N	7
DK056S	1	<10	N	10	30	20	N	N	15	70	N	5
DB057S	1	10	N	N	30	50	N	N	10	70	N	7
DN058S	2	<10	N	15	30	150	N	<20	20	70	N	10
DK059S	2	<10	N	10	50	50	N	N	20	70	N	10
DB060S	2	<10	N	10	30	150	N	N	20	70	N	10
DN061S	5	20	N	10	30	100	N	20	15	100	N	7
DK062S	5	20	N	10	30	200	N	20	20	70	N	7
DB063S	5	10	N	15	30	200	N	20	10	70	N	10
DN064S	3	15	N	20	30	100	N	20	15	70	N	10
DK065S	1	10	N	15	50	50	N	N	15	70	N	10
DB066S	1	N	N	15	70	50	N	N	20	50	N	10
DY067S	2	<10	N	10	30	50	N	20	20	50	N	10
DK068S	1	<10	N	10	30	20	N	<20	15	50	N	10
DY069S	1	<10	N	10	30	200	N	N	15	70	N	7
DK070S	1	10	N	20	70	150	N	N	15	30	N	10
DB071S	1	<10	N	15	70	30	N	N	15	70	N	10
DY072S	1	N	N	N	50	20	N	N	10	50	N	5
DK073S	1	<10	N	5	50	20	N	N	15	70	N	7
DB074S	2	N	N	5	30	50	N	N	10	70	N	7
DB075S	1	N	N	5	30	20	N	N	10	70	N	7
DY076S	1	<10	N	5	30	50	N	N	10	50	N	7
DY077S	1	<10	N	5	50	20	N	N	10	70	N	7
DK078S	<1	<10	N	N	10	20	N	N	5	50	N	5
DK079S	3	20	N	15	50	100	N	<20	20	70	N	10
DK080S	1	N	N	20	70	50	N	<20	15	50	N	10
DY081S	1	N	N	5	30	20	N	N	10	50	N	5
DB082S	<1	<10	N	N	30	20	N	N	10	50	N	5
DK083S	1	<10	N	20	70	500	N	70	20	70	N	10
DY084S	5	10	N	10	20	100	N	<20	15	70	N	7
DB085S	1	10	N	30	50	200	N	20	20	50	N	15
DY086S	1	N	N	30	70	50	N	<20	50	30	N	15
DK087S	1	N	N	30	70	50	N	N	50	30	N	15
DB088S	1	N	N	30	100	50	N	N	50	20	N	15
DY089S	2	10	N	10	30	20	N	N	20	70	N	7
DB090S	1	N	N	30	50	50	N	N	30	50	N	15

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DN046S	N	300	150	N	30	N	500	N
DK047S	N	500	1,000	N	50	N	1,000	N
DB048S	N	500	100	N	30	N	300	N
DN049S	N	500	200	N	30	N	500	N
DK050S	N	500	100	N	20	N	200	N
DB051S	N	500	500	N	50	N	700	N
DN052S	N	500	100	N	20	N	100	N
DK053S	N	500	100	N	20	N	200	N
DB054S	N	500	150	N	20	N	300	N
DN055S	N	200	100	N	20	N	100	N
DK056S	N	200	70	N	15	N	70	N
DB057S	N	300	50	N	15	N	100	N
DN058S	N	200	100	N	50	N	500	N
DK059S	N	500	70	N	30	N	300	N
DB060S	N	200	70	N	20	N	300	N
DN061S	N	500	70	N	70	N	300	N
DK062S	N	300	70	N	100	N	700	N
DB063S	N	200	100	N	70	N	700	N
DN064S	N	500	100	N	50	N	500	N
DK065S	N	500	150	N	20	N	300	N
DB066S	N	500	200	N	15	N	300	N
DY067S	N	500	100	N	30	N	300	N
DK068S	N	300	100	N	20	N	500	N
DY069S	N	300	70	N	15	N	500	N
DK070S	N	100	150	N	20	N	1,000	N
DB071S	N	300	100	N	20	N	700	N
DY072S	N	100	70	N	10	N	200	N
DK073S	N	100	70	N	20	N	200	N
DB074S	N	100	70	N	30	N	700	N
DB075S	N	100	70	N	20	N	200	N
DY076S	N	300	70	N	20	N	200	N
DY077S	N	200	50	N	20	N	300	N
DK078S	N	100	20	N	10	N	20	N
DK079S	N	500	100	N	50	N	300	N
DK080S	N	500	200	N	50	N	1,000	N
DY081S	N	200	70	N	20	N	200	N
DB082S	N	200	50	N	10	N	200	N
DK083S	N	200	300	N	100	N	>1,000	N
DY084S	N	200	100	N	70	N	500	N
DB085S	N	200	1,000	N	100	700	>1,000	N
DY086S	N	200	200	N	100	N	700	N
DK087S	N	200	200	N	100	N	1,000	N
DB088S	N	200	200	N	100	N	500	N
DY089S	N	500	70	N	100	N	1,000	N
DB090S	N	300	200	N	100	N	1,000	N

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, 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
DB091S	37 12 52	114 48 16	5.0	1.0	2.0	1.00	700	N	N	N	50	500
DY092S	37 13 15	114 48 45	7.0	1.0	2.0	.70	1,000	N	N	N	50	300
DK093S	37 13 16	114 49 8	10.0	1.0	2.0	1.00	1,000	N	N	N	50	300
DB094S	37 13 35	114 49 8	10.0	1.0	2.0	1.00	1,000	N	N	N	30	300
DB095S	37 7 47	114 58 15	2.0	5.0	10.0	.20	200	N	N	N	15	100
DY096S	37 14 30	114 50 8	2.0	.5	1.0	.30	500	N	N	N	50	150
DN097S	37 14 43	114 50 18	20.0	2.0	2.0	>1.00	2,000	N	N	N	30	300
DB098S	37 14 27	114 50 48	5.0	1.0	1.0	.70	700	N	N	N	50	300
DY099S	37 13 52	114 50 57	2.0	.5	.5	.30	500	N	N	N	50	100
DN100S	37 13 22	114 51 27	20.0	3.0	2.0	>1.00	3,000	N	N	N	20	500
DB101S	37 13 8	114 50 38	10.0	1.0	2.0	1.00	1,000	N	N	N	30	1,000
DY102S	37 12 32	114 51 37	10.0	1.0	2.0	1.00	1,000	N	N	N	50	700
DN103S	37 12 22	114 50 27	7.0	.7	1.0	.50	700	N	N	N	30	300
DB104S	37 12 4	114 51 23	10.0	1.0	2.0	>1.00	1,000	N	N	N	50	500
DY105S	37 11 43	114 52 18	3.0	.5	1.0	.30	700	N	N	N	30	150
DN106S	37 11 38	114 51 11	5.0	1.0	2.0	.70	700	N	N	N	70	500
DB107S	37 11 17	114 51 5	7.0	1.0	2.0	.70	700	N	N	N	50	500
DY108S	37 10 19	114 50 43	7.0	1.0	2.0	1.00	1,000	N	N	N	30	500
DN109S	37 9 52	114 50 48	20.0	1.0	1.0	>1.00	2,000	N	N	N	50	200
DB110S	37 9 18	114 51 11	3.0	1.0	1.0	.50	700	N	N	N	50	200
DY111S	37 9 32	114 50 20	5.0	1.0	2.0	.70	700	N	N	N	30	700
DN112S	37 8 12	114 51 40	3.0	1.0	2.0	.50	700	N	N	N	50	200
DB113S	37 7 33	114 53 38	5.0	1.0	2.0	.70	1,000	N	N	N	50	200
DY114S	37 12 2	114 53 42	2.0	.5	1.0	.50	700	N	N	N	30	200
DN115S	37 11 57	114 54 8	3.0	.5	1.0	.50	700	N	N	N	50	200
DB116S	37 11 22	114 53 15	3.0	1.0	1.0	.70	700	N	N	N	30	200
DY117S	37 12 42	114 53 26	3.0	1.0	1.0	.50	700	N	N	N	70	300
DN118S	37 12 37	114 53 23	3.0	.5	1.0	.50	1,000	N	N	N	50	300
DB119S	37 12 47	114 53 20	3.0	1.0	1.0	.70	700	N	N	N	70	300
DY120S	37 13 2	114 52 38	3.0	.7	1.0	.70	700	N	N	N	50	300
DN121S	37 13 33	114 52 27	3.0	1.0	1.0	.70	700	N	N	N	50	500
DB122S	37 13 50	114 52 43	3.0	1.0	1.0	.70	700	N	N	N	50	200
DN123S	37 18 23	114 51 43	3.0	1.0	1.0	.50	700	N	N	N	50	200
DK124S	37 17 12	114 52 2	2.0	.5	.5	.50	700	N	N	N	50	200
DB125S	37 16 40	114 52 6	2.0	1.0	1.0	.50	700	N	N	N	50	200
DN126S	37 16 6	114 52 10	2.0	1.0	1.0	.50	700	N	N	N	50	300
DK127S	37 15 53	114 52 49	2.0	.5	.5	.30	700	N	N	N	30	200
DB128S	37 15 14	114 51 55	3.0	1.0	2.0	.70	700	N	N	N	20	700
DN129S	37 15 48	114 53 17	2.0	.7	1.0	.50	700	N	N	N	50	500
DK130S	37 15 12	114 53 40	3.0	.7	1.0	.70	700	N	N	N	50	500
DB131S	37 15 14	114 53 20	3.0	.7	.5	.70	700	N	N	N	50	500
DN132S	37 16 3	114 53 15	2.0	.2	.5	.50	700	N	N	N	30	150
DK133S	37 16 8	114 53 8	2.0	.5	.5	.50	700	N	N	N	50	200
DB134S	37 16 38	114 52 53	2.0	.7	.5	.50	700	N	N	N	50	300
DN135S	37 16 53	114 52 51	3.0	1.0	1.0	.50	700	N	N	N	50	300

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
DB091S	2	10	N	30	70	50	N	N	50	50	N	15
DY092S	2	<10	N	20	70	50	N	<20	70	50	N	15
DK093S	2	<10	N	30	50	200	N	20	30	70	N	15
DB094S	2	N	N	30	100	100	N	20	70	30	N	15
DB095S	<1	N	N	5	30	20	N	N	10	50	N	5
DY096S	7	N	N	5	20	20	N	<20	10	70	N	5
DN097S	1	N	N	50	100	150	N	<20	70	20	N	20
DB098S	3	N	N	15	50	50	N	<20	20	70	N	10
DY099S	7	N	N	5	10	20	N	<20	10	30	N	5
DN100S	1	N	N	100	50	70	N	<20	70	20	N	20
DB101S	2	N	N	20	50	100	N	20	20	20	N	20
DY102S	2	N	N	15	50	200	N	20	10	20	N	10
DN103S	2	N	N	15	50	100	N	30	10	20	N	5
DB104S	2	N	N	50	50	20	N	<20	30	30	N	10
DY105S	5	N	N	5	10	50	N	50	10	30	N	5
DN106S	2	N	N	10	30	100	N	<20	15	50	N	10
DB107S	2	N	N	10	30	200	N	50	15	50	N	10
DY108S	2	N	N	15	50	100	N	20	10	20	N	10
DN109S	1	N	N	50	100	300	N	50	50	20	N	15
DB110S	5	<10	N	5	20	500	N	50	10	70	N	5
DY111S	2	10	N	10	50	100	N	<20	10	50	N	10
DN112S	5	<10	N	5	20	500	N	30	5	70	N	5
DB113S	3	<10	N	5	20	500	N	50	10	50	N	5
DY114S	3	<10	N	5	20	150	N	50	5	50	N	5
DN115S	3	10	N	5	20	100	N	50	5	70	N	5
DB116S	2	<10	N	10	30	100	N	<20	20	30	N	10
DY117S	5	<10	N	7	30	200	N	20	10	70	N	5
DN118S	5	10	N	7	20	200	N	30	10	70	N	5
DB119S	5	10	N	7	30	150	N	30	15	70	N	5
DY120S	5	<10	N	7	20	200	N	50	10	70	N	5
DN121S	3	<10	N	10	30	100	N	<20	15	70	N	5
DB122S	5	<10	N	7	30	100	N	50	10	70	N	5
DN123S	5	10	N	10	30	150	N	70	10	70	N	5
DK124S	5	10	N	5	20	150	N	50	10	70	N	5
DB125S	2	<10	N	10	30	200	N	50	15	70	N	10
DN126S	5	<10	N	10	30	100	N	20	15	50	N	10
DK127S	3	10	N	5	20	100	N	<20	10	70	N	5
DB128S	1	<10	N	15	50	200	N	<20	15	30	N	10
DN129S	5	<10	N	10	30	50	N	<20	10	70	N	10
DK130S	5	<10	N	10	30	200	N	20	15	30	N	10
DB131S	5	<10	N	10	30	100	N	20	15	50	N	7
DN132S	5	<10	N	5	<10	150	N	50	5	50	N	5
DK133S	3	<10	N	5	30	100	N	20	15	50	N	5
DB134S	5	<10	N	5	30	200	N	20	10	50	N	5
DN135S	3	<10	N	10	50	100	N	20	15	70	N	5

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DB091S	N	500	150	N	100	N	500	N
DY092S	N	200	150	N	50	N	500	N
DK093S	N	200	200	N	70	N	500	N
DB094S	N	200	200	N	50	N	500	N
DB095S	N	100	50	N	10	N	200	N
DY096S	N	100	50	N	50	N	100	N
DN097S	N	200	1,000	N	50	N	>1,000	N
DB098S	N	200	100	N	50	N	300	N
DY099S	N	100	50	N	30	N	200	N
DN100S	N	300	500	N	30	N	1,000	N
DB101S	N	500	200	N	50	N	>1,000	N
DY102S	N	300	200	N	50	N	>1,000	N
DN103S	N	200	100	N	50	N	1,000	N
DB104S	N	200	200	N	50	N	700	N
DY105S	N	100	20	N	50	N	500	N
DN106S	N	200	100	N	30	N	1,000	N
DB107S	N	200	100	N	50	N	1,000	N
DY108S	N	500	200	N	50	N	1,000	N
DN109S	N	100	1,000	N	70	N	>1,000	N
DB110S	N	100	70	N	50	N	1,000	N
DY111S	N	500	70	N	50	N	1,000	N
DN112S	N	100	20	N	50	N	500	N
DB113S	N	100	50	N	50	N	1,000	N
DY114S	N	100	50	N	30	N	500	N
DN115S	N	100	70	N	30	N	500	N
DB116S	N	100	100	N	50	N	500	N
DY117S	N	100	100	N	50	N	500	N
DN118S	N	100	70	N	50	N	500	N
DB119S	N	200	100	N	50	N	500	N
DY120S	N	100	100	N	50	N	500	N
DN121S	N	200	100	N	50	N	500	N
DB122S	N	100	70	N	50	N	500	N
DN123S	N	100	70	N	50	N	1,000	N
DK124S	N	100	50	N	50	N	500	N
DB125S	N	100	50	N	30	N	1,000	N
DN126S	N	100	50	N	30	N	700	N
DK127S	N	100	30	N	30	N	500	N
DB128S	N	500	70	N	30	N	500	N
DN129S	N	200	70	N	30	N	300	N
DK130S	N	200	70	N	50	N	700	N
DB131S	N	200	70	N	50	N	700	N
DN132S	N	100	20	N	50	N	500	N
DK133S	N	200	50	N	30	N	500	N
DB134S	N	200	50	N	30	N	700	N
DN135S	N	200	70	N	30	N	500	N

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, 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
DK136S	37 17 18	114 52 42	2.0	.7	.5	.50	500	N	N	N	30	200
DB137S	37 18 5	114 52 41	3.0	.7	.5	.50	700	N	N	N	50	200
DN138S	37 17 49	114 53 20	2.0	.3	.2	.50	500	N	N	N	30	150
DK139S	37 17 44	114 53 11	3.0	.7	.5	.50	700	N	N	N	50	300
DB140S	37 17 42	114 53 17	5.0	1.0	1.0	.70	700	N	N	N	70	500
DN141S	37 11 44	114 59 55	2.0	2.0	3.0	.50	500	N	N	N	50	200
DK142S	37 10 56	114 59 55	10.0	2.0	3.0	.70	1,000	N	N	N	30	200
DB143S	37 10 48	114 59 55	10.0	2.0	5.0	1.00	1,000	N	N	N	30	200
DN144S	37 10 34	114 58 36	.5	5.0	7.0	.10	200	N	N	N	10	20
DK145S	37 10 21	114 57 53	2.0	3.0	3.0	.20	500	N	N	N	20	300
DB146S	37 10 19	114 57 49	2.0	2.0	5.0	.50	700	N	N	N	100	500
DN147S	37 12 6	114 58 25	2.0	3.0	5.0	.20	500	N	N	N	50	200
DK148S	37 13 5	114 57 57	2.0	1.0	2.0	.50	500	N	N	N	70	200
DB149S	37 12 40	114 57 32	2.0	1.0	1.0	.50	500	N	N	N	30	300
DN150S	37 12 43	114 56 55	2.0	1.0	2.0	.50	500	N	N	N	30	300
DK151S	37 13 6	114 57 7	2.0	1.0	2.0	.50	500	N	N	N	30	150
DB152S	37 13 32	114 56 33	2.0	1.0	2.0	.50	500	N	N	N	30	300
DN153S	37 13 13	114 56 11	10.0	.5	1.0	>1.00	1,500	N	N	N	30	200
DK154S	37 13 50	114 55 25	2.0	1.0	2.0	.50	700	N	N	N	30	200
DB155S	37 14 30	114 55 13	2.0	1.0	2.0	.50	500	N	N	N	30	200
DY156S	37 18 29	114 50 17	3.0	.7	1.0	.50	700	N	N	N	30	300
DK157S	37 17 45	114 50 59	3.0	.2	.7	.50	700	N	N	N	30	100
DB158S	37 17 7	114 51 15	3.0	1.0	2.0	.50	700	N	N	N	50	200
DY159S	37 16 27	114 51 8	2.0	.5	1.0	.50	1,000	N	N	N	50	500
DK160S	37 16 9	114 51 12	2.0	.5	1.0	.70	700	N	N	N	50	500
DB161S	37 15 35	114 50 38	5.0	.5	1.0	.70	700	N	N	N	50	150
DY162S	37 14 17	114 52 37	2.0	.5	1.0	.50	700	N	N	N	50	200
DK163S	37 14 46	114 52 49	2.0	.7	1.0	.50	700	N	N	N	50	200
DB164S	37 14 47	114 54 47	3.0	.5	2.0	.50	700	N	N	N	50	200
DB165S	37 14 52	114 54 42	3.0	.5	1.0	.50	700	N	N	N	50	200
DY166S	37 14 9	114 58 0	3.0	1.0	1.0	.50	500	N	N	N	50	200
DK167S	37 15 39	114 55 56	3.0	1.0	2.0	.50	700	N	N	N	30	700
DB168S	37 16 7	114 55 18	2.0	.7	2.0	.50	500	N	N	N	20	1,000
DY169S	37 16 39	114 55 2	20.0	.7	1.0	>1.00	700	N	N	N	30	300
DK170S	37 16 46	114 54 56	5.0	1.0	2.0	.70	700	N	N	N	30	300
DB171S	37 17 10	114 54 39	7.0	1.0	2.0	1.00	700	N	N	N	30	500
DY172S	37 17 43	114 54 47	2.0	.5	1.0	.50	300	N	N	N	10	300
DK173S	37 17 35	114 54 0	3.0	.7	1.0	.70	500	N	N	N	30	300
DB174S	37 17 45	114 53 37	3.0	.5	.5	.50	500	N	N	N	20	200
DY175S	37 10 31	114 52 42	3.0	.5	.5	.50	1,000	N	N	N	50	200
DY176S	37 10 37	114 52 42	5.0	.5	1.0	.70	1,000	N	N	N	50	200
DK177S	37 10 16	114 54 2	7.0	.5	2.0	1.00	1,000	N	N	N	50	300
DB178S	37 10 15	114 54 15	5.0	.2	1.0	.70	700	N	N	N	30	200
DY179S	37 9 34	114 52 57	1.0	.1	.2	.20	700	N	N	N	15	100
DK180S	37 10 24	114 54 12	1.0	.2	.5	.20	500	N	N	N	15	150

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
DK136S	5	<10	N	5	30	50	N	<20	15	50	N	5
DB137S	5	<10	N	5	30	100	N	30	15	70	N	7
DN138S	5	<10	N	5	15	100	N	30	15	50	N	5
DK139S	5	10	N	10	30	150	N	20	15	70	N	7
DB140S	3	<10	N	10	30	100	N	20	10	70	N	10
DN141S	2	N	N	10	30	100	N	<20	15	70	N	10
DK142S	1	N	N	15	50	200	N	20	10	50	N	15
DB143S	1	10	N	20	70	100	N	20	20	50	N	10
DN144S	<1	<10	N	N	10	20	N	N	5	30	N	5
DK145S	1	10	N	5	20	50	N	N	15	70	N	7
DB146S	2	N	N	5	20	20	N	N	15	70	N	7
DN147S	1	N	N	N	30	20	N	N	15	50	N	5
DK148S	10	<10	N	N	20	100	N	20	5	70	N	5
DB149S	2	<10	N	10	30	50	N	N	15	30	N	10
DN150S	2	N	N	7	30	200	N	N	15	30	N	10
DK151S	5	<10	N	5	10	200	N	20	10	70	N	5
DB152S	5	N	N	5	20	100	N	<20	10	70	N	10
DN153S	1	10	N	10	20	500	7	50	10	50	N	10
DK154S	5	<10	N	5	20	70	N	<20	10	70	N	7
DB155S	5	<10	N	5	20	70	N	<20	15	70	N	7
DY156S	3	<10	N	10	20	70	N	20	15	70	N	10
DK157S	5	<10	N	5	10	150	N	50	10	50	N	7
DB158S	5	<10	N	5	20	200	N	20	10	50	N	7
DY159S	5	N	N	10	20	200	N	20	10	50	N	7
DK160S	5	N	N	10	20	70	N	20	10	20	N	7
DB161S	5	N	N	10	10	100	N	30	10	20	N	7
DY162S	5	N	N	5	10	70	N	20	10	20	N	5
DK163S	5	N	N	10	10	70	N	20	10	70	N	5
DB164S	5	N	N	5	10	150	N	30	5	50	N	5
DB165S	3	<10	N	10	30	100	N	30	10	50	N	7
DY166S	3	<10	N	5	20	100	N	20	10	70	N	7
DK167S	2	N	N	10	20	200	N	N	15	50	N	10
DB168S	1	N	N	10	10	50	N	N	10	20	N	5
DY169S	1	<10	N	50	150	50	N	<20	30	20	N	15
DK170S	2	<10	N	15	30	50	N	<20	15	70	N	7
DB171S	1	N	N	20	30	100	N	N	15	50	N	10
DY172S	1	<10	N	10	20	20	N	<20	10	10	N	5
DK173S	2	N	N	10	20	70	N	<20	10	50	N	10
DB174S	2	<10	N	10	20	50	N	<20	10	50	N	5
DY175S	3	<10	N	10	20	100	N	50	10	70	N	5
DY176S	3	15	N	10	20	150	N	20	20	50	N	10
DK177S	3	<10	N	20	20	150	N	20	30	50	N	10
DB178S	3	<10	N	7	10	150	N	20	20	20	N	5
DY179S	5	<10	N	5	10	20	N	20	5	50	N	5
DK180S	2	<10	N	5	10	20	N	<20	10	50	N	5

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DK136S	N	100	50	N	30	N	500	N
DB137S	N	100	70	N	70	N	500	N
DN138S	N	100	30	N	70	N	700	N
DK139S	N	100	70	N	70	N	500	N
DB140S	N	200	100	N	70	N	500	N
DN141S	N	200	70	N	50	N	500	N
DK142S	N	200	200	N	50	200	500	N
DB143S	N	200	200	N	50	N	500	N
DN144S	N	100	20	N	10	N	200	N
DK145S	N	200	50	N	30	N	200	N
DB146S	N	200	100	N	30	N	200	N
DN147S	N	100	70	N	10	N	100	N
DK148S	N	100	50	N	70	N	300	N
DB149S	N	200	70	N	30	N	500	N
DN150S	N	200	70	N	20	N	200	N
DK151S	N	100	50	N	50	N	500	N
DB152S	N	200	70	N	50	N	500	N
DN153S	15	100	100	N	100	N	1,000	N
DK154S	N	100	70	N	50	N	500	N
DB155S	N	200	70	N	50	N	500	N
DY156S	N	100	70	N	70	N	500	N
DK157S	N	100	50	N	70	N	1,000	N
DB158S	N	100	50	N	70	N	700	N
DY159S	N	200	70	N	50	N	500	N
DK160S	N	200	100	N	50	N	1,000	N
DB161S	N	100	70	N	70	N	500	N
DY162S	N	200	70	N	50	N	200	N
DK163S	N	200	70	N	50	N	300	N
DB164S	N	200	50	N	50	N	300	N
DB165S	N	100	50	N	50	N	300	N
DY166S	N	100	50	N	50	N	200	N
DK167S	N	500	50	N	30	N	300	N
DB168S	N	500	50	N	10	N	200	N
DY169S	N	200	300	N	50	N	1,000	N
DK170S	N	200	100	N	50	N	500	N
DB171S	N	500	100	N	30	N	700	N
DY172S	N	200	70	N	10	N	100	N
DK173S	N	200	70	N	50	N	300	N
DB174S	N	100	70	N	50	N	300	N
DY175S	N	100	70	N	50	N	500	N
DY176S	N	100	100	N	50	N	700	N
DK177S	N	100	100	N	50	N	500	N
DB178S	N	100	70	N	30	N	300	N
DY179S	N	100	10	N	20	N	300	N
DK180S	N	100	20	N	20	N	200	N

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, 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
DK181S	37 10 25	114 54 36	2.0	.5	.5	.50	700	N	N	N	15	150
DB182S	37 10 0	114 55 16	2.0	.2	.5	.50	700	N	N	N	10	100
DY183S	37 8 55	114 54 46	2.0	.5	1.0	.30	500	N	N	N	10	100
DK184S	37 8 47	114 54 20	1.0	.2	.5	.20	500	N	N	N	10	100
DB185S	37 8 34	114 54 31	2.0	.5	1.0	.50	500	N	N	N	20	100
DY186S	37 7 29	114 54 29	1.0	.2	1.0	.20	200	N	N	N	20	70
DK187S	37 6 18	114 55 13	2.0	1.0	3.0	.20	500	N	N	N	10	100
DB188S	37 5 59	114 55 8	2.0	2.0	7.0	.20	500	N	N	N	20	100
DY189S	37 5 31	114 54 18	3.0	1.0	2.0	.50	500	N	N	N	10	100
DK190S	37 6 44	114 53 43	1.0	.5	1.0	.10	500	N	N	N	20	50
DB191S	37 6 42	114 53 36	5.0	.7	1.0	.50	700	N	N	N	20	100

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
DK181S	3	<10	N	7	20	20	N	<20	20	70	N	5
DB182S	2	N	N	5	10	50	N	20	10	50	N	5
DY183S	2	<10	N	7	10	50	N	<20	20	30	N	5
DK184S	2	N	N	5	<10	50	N	<20	5	30	N	5
DB185S	2	N	N	5	10	20	N	<20	10	50	N	5
DY186S	2	N	N	N	<10	20	N	N	5	10	N	5
DK187S	1	<10	N	5	10	200	N	N	5	20	N	7
DB188S	1	<10	N	5	20	20	N	N	15	70	N	5
DY189S	1	N	N	10	20	20	N	N	15	20	N	7
DK190S	5	N	N	5	<10	20	N	<20	5	20	N	5
DB191S	2	<10	N	7	10	500	N	<20	10	30	N	7

APPENDIX A.--Chemical analyses of stream-sediment samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DK181S	N	100	50	N	20	N	300	N
DB182S	N	100	50	N	30	N	300	N
DY183S	N	100	50	N	20	N	200	N
DK184S	N	100	10	N	20	N	200	N
DB185S	N	100	50	N	20	N	200	N
DY186S	N	100	10	N	15	N	200	N
DK187S	N	200	30	N	15	N	150	N
DB188S	N	200	50	N	10	N	100	N
DY189S	N	200	70	N	10	N	200	N
DK190S	N	100	10	N	20	N	200	N
DB191S	N	100	70	N	20	N	500	N

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, Nevada

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
DY001H	37 3 13	114 51 13	2.0	1.00	7.0	1.00	700	N	N	N	20	1,000
DN002H	37 3 53	114 51 21	5.0	1.50	7.0	1.00	1,500	N	N	N	50	5,000
DB003H	37 3 53	114 50 58	5.0	.50	7.0	1.00	5,000	N	N	N	20	1,000
DY004H	37 4 35	114 50 49	7.0	1.50	5.0	1.50	5,000	N	N	N	20	>10,000
DN005H	37 4 46	114 50 46	10.0	1.00	2.0	1.50	7,000	N	700	N	50	10,000
DB006H	37 5 26	114 50 47	5.0	2.00	5.0	1.00	7,000	N	N	N	1,000	>10,000
DY007H	37 5 11	114 50 7	5.0	5.00	7.0	1.00	7,000	N	N	N	20	10,000
DN008H	37 5 38	114 49 32	5.0	5.00	7.0	1.00	5,000	N	N	N	20	2,000
DB009H	37 5 55	114 49 18	7.0	5.00	7.0	1.00	5,000	N	N	N	20	2,000
DY010H	37 6 28	114 49 20	5.0	2.00	5.0	1.00	2,000	N	N	N	20	5,000
DN011H	37 7 34	114 49 5	2.0	5.00	7.0	.70	3,000	N	N	N	<20	700
DB012H	37 7 4	114 48 30	5.0	2.00	10.0	.70	1,000	N	N	N	20	700
DY013H	37 7 19	114 49 6	2.0	2.00	1.0	1.00	1,000	N	N	N	<20	700
DN014H	37 7 43	114 49 26	5.0	5.00	5.0	1.00	3,000	N	N	N	20	5,000
DB015H	37 7 53	114 48 59	2.0	1.00	5.0	1.00	1,000	N	N	N	<20	700
DY016H	37 7 34	114 48 18	5.0	5.00	7.0	1.00	7,000	N	N	N	20	5,000
DN017H	37 7 56	114 47 59	5.0	5.00	5.0	.70	2,000	N	N	N	<20	500
DB018H	37 8 10	114 47 24	7.0	5.00	5.0	1.50	3,000	N	N	N	20	700
DY019H	37 8 28	114 47 7	10.0	.70	1.5	1.50	1,500	N	N	N	20	50
DN020H	37 8 55	114 46 30	10.0	1.00	2.0	1.50	2,000	N	N	N	50	100
DB021H	37 9 21	114 46 21	10.0	.50	2.0	1.50	1,500	N	N	N	20	100
DY022H	37 9 25	114 48 34	2.0	1.00	2.0	1.00	700	N	N	N	<20	500
DN023H	37 10 2	114 48 50	7.0	1.00	1.0	2.00	1,500	N	N	N	<20	50
DB024H	37 10 15	114 48 28	10.0	.50	2.0	2.00	1,500	N	N	N	20	100
DN025H	37 2 23	114 51 39	10.0	2.00	5.0	1.00	1,000	N	N	N	20	700
DK026H	37 2 32	114 52 17	2.0	5.00	5.0	.70	1,000	N	N	N	<20	1,500
DB027H	37 2 17	114 53 20	7.0	7.00	5.0	.70	1,500	N	N	N	<20	100
DN028H	37 2 9	114 53 25	5.0	5.00	10.0	.50	1,500	N	N	N	20	500
DK029H	37 1 39	114 53 44	2.0	2.00	5.0	.70	1,500	N	N	N	20	500
DB030H	37 1 43	114 54 12	7.0	2.00	5.0	1.50	1,000	N	N	N	20	300
DN031H	37 1 47	114 54 32	7.0	2.00	5.0	1.50	1,000	N	N	N	20	200
DK032H	37 2 7	114 55 8	10.0	5.00	5.0	1.00	5,000	N	N	N	20	1,000
DB033H	37 1 58	114 56 18	7.0	5.00	7.0	.50	1,000	N	N	N	50	100
DN034H	37 3 12	114 55 27	15.0	1.00	1.5	1.00	1,000	N	N	N	70	100
DK035H	37 2 59	114 55 47	20.0	1.00	1.0	1.00	1,000	N	N	N	70	100
DB036H	37 2 58	114 56 11	20.0	1.00	2.0	1.00	1,000	N	N	N	100	50
DN037H	37 3 8	114 56 51	20.0	1.00	1.5	.70	2,000	N	N	N	200	700
DK038H	37 3 3	114 57 25	20.0	2.00	2.0	1.00	2,000	N	N	N	20	200
DB039H	37 3 43	114 57 12	10.0	5.00	7.0	1.00	3,000	N	N	N	20	200
DN040H	37 4 23	114 56 44	10.0	2.00	7.0	1.00	2,000	N	N	N	20	500
DK041H	37 5 32	114 56 44	10.0	2.00	5.0	.50	2,000	N	N	N	<20	700
DB042H	37 4 24	114 57 47	20.0	2.00	2.0	2.00	3,000	N	N	N	50	200
DN043H	37 5 28	114 58 18	20.0	2.00	2.0	2.00	3,000	N	N	N	50	300
DK044H	37 5 9	114 58 30	20.0	.70	1.0	1.00	2,000	N	700	N	100	200
DB045H	37 4 35	114 58 48	20.0	5.00	7.0	1.50	3,000	N	N	N	20	2,000

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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	Sb-ppm s	Sc-ppm s
DY001H	<2	N	N	10	N	<10	200	N	70	10	20	N	20
DN002H	2	N	N	15	150	20	500	30	150	100	150	N	20
DB003H	<2	N	N	50	100	15	300	N	100	70	70	N	50
DY004H	<2	N	N	70	N	70	500	30	100	10	500	N	20
DN005H	2	N	N	100	50	70	500	30	150	100	500	N	50
DB006H	<2	N	N	70	50	50	300	30	150	50	300	N	50
DY007H	<2	N	N	70	100	20	700	30	150	70	300	N	100
DN008H	<2	N	N	50	100	20	700	30	150	70	150	N	100
DB009H	<2	N	N	50	100	20	1,000	30	150	70	150	N	100
DY010H	<2	N	N	20	100	15	700	30	150	20	150	N	50
DN011H	<2	N	N	20	50	10	500	N	50	50	50	N	100
DB012H	2	N	N	15	100	20	200	10	100	70	100	N	50
DY013H	<2	N	N	10	N	<10	500	N	100	20	20	N	20
DN014H	<2	N	N	50	100	10	500	20	150	70	70	N	100
DB015H	<2	N	N	10	N	<10	200	N	100	20	20	N	20
DY016H	2	N	N	70	100	30	500	30	150	70	150	N	100
DN017H	N	N	N	30	N	<10	150	N	50	20	20	N	50
DB018H	2	N	N	50	100	20	2,000	N	150	50	30	N	100
DY019H	2	N	N	10	N	50	1,000	50	300	20	150	N	20
DN020H	5	N	N	10	N	30	2,000	30	500	20	100	N	50
DB021H	5	N	N	N	N	20	1,000	30	300	20	50	N	20
DY022H	2	N	N	10	N	<10	500	N	150	20	20	N	20
DN023H	2	N	N	N	N	20	1,000	20	200	20	50	N	20
DB024H	2	N	N	10	50	30	2,000	50	500	20	100	N	30
DN025H	<2	N	N	50	300	30	500	N	70	50	20	N	30
DK026H	<2	N	N	20	50	10	150	N	70	10	20	N	30
DB027H	N	N	N	30	150	<10	300	N	100	50	20	N	70
DN028H	2	N	N	10	100	30	200	N	100	50	70	200	20
DK029H	2	N	N	20	150	30	200	N	150	70	100	N	30
DB030H	2	N	N	20	150	50	700	20	200	70	100	N	70
DN031H	<2	N	N	20	100	70	700	20	200	70	70	N	50
DK032H	2	N	N	50	150	70	700	30	150	70	200	N	30
DB033H	<2	N	N	10	N	50	700	N	<50	30	150	N	20
DN034H	2	N	N	20	70	70	700	N	150	100	300	N	15
DK035H	2	N	N	20	100	50	2,000	N	150	70	500	N	30
DB036H	5	N	N	30	70	70	500	N	150	100	200	N	30
DN037H	5	N	N	50	100	70	1,000	N	100	100	200	N	20
DK038H	2	N	N	30	200	50	2,000	50	150	70	100	N	70
DB039H	<2	N	N	50	150	10	500	N	100	50	20	N	150
DN040H	<2	N	N	50	300	30	700	N	50	70	20	N	70
DK041H	<2	N	N	30	150	10	700	N	<50	30	20	N	70
DB042H	<2	N	N	50	150	70	2,000	30	150	70	50	N	70
DN043H	2	N	N	50	70	70	1,500	30	150	100	150	N	70
DK044H	2	N	N	70	70	100	1,500	70	150	150	200	N	30
DB045H	2	N	N	50	100	70	2,000	30	100	70	70	N	100

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DY001H	N	1,000	50	N	150	N	2,000	N
DN002H	20	200	100	N	300	N	>2,000	N
DB003H	20	<200	100	N	200	N	>2,000	N
DY004H	20	700	150	N	200	N	700	N
DN005H	20	200	150	N	200	<500	2,000	N
DB006H	50	700	150	N	200	N	>2,000	N
DY007H	20	N	150	N	200	N	>2,000	N
DN008H	20	N	100	N	200	N	>2,000	N
DB009H	30	N	100	N	200	N	>2,000	N
DY010H	30	700	100	N	150	N	>2,000	N
DN011H	N	N	70	N	150	N	>2,000	N
DB012H	N	200	100	N	150	N	>2,000	N
DY013H	N	200	50	N	150	N	>2,000	N
DN014H	20	200	100	N	200	N	700	N
DB015H	N	1,000	50	N	150	N	2,000	N
DY016H	30	<200	150	N	300	N	1,000	N
DN017H	N	N	70	N	150	N	500	N
DB018H	50	200	150	N	300	N	>2,000	N
DY019H	300	N	20	N	300	N	>2,000	N
DN020H	100	N	50	N	300	500	>2,000	N
DB021H	70	N	20	N	300	<500	>2,000	N
DY022H	500	700	70	N	200	N	2,000	N
DN023H	1,500	N	30	N	300	N	>2,000	N
DB024H	100	N	50	N	500	500	>2,000	N
DN025H	20	500	200	N	150	<500	1,000	N
DK026H	N	700	100	N	150	N	1,000	N
DB027H	N	N	100	N	150	N	1,000	N
DN028H	N	200	70	N	100	N	2,000	N
DK029H	N	200	70	N	150	N	2,000	N
DB030H	30	N	100	N	500	N	>2,000	N
DN031H	20	N	100	N	200	N	>2,000	N
DK032H	50	N	100	N	200	N	>2,000	N
DB033H	N	200	150	N	70	N	700	N
DN034H	50	N	200	N	100	<500	2,000	N
DK035H	50	N	200	N	200	<500	>2,000	N
DB036H	100	N	200	N	200	N	>2,000	N
DN037H	20	N	200	N	200	N	>2,000	N
DK038H	50	N	100	N	500	<500	>2,000	N
DB039H	N	N	150	N	200	N	1,500	N
DN040H	N	700	200	N	150	<500	1,500	N
DK041H	N	700	150	N	100	N	1,000	N
DB042H	20	N	200	N	500	<500	>2,000	N
DN043H	20	N	150	N	200	<500	>2,000	N
DK044H	50	N	200	N	200	700	>2,000	N
DB045H	20	N	150	N	200	<500	>2,000	N

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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
DN046H	37 4 31	114 52 2	20.0	5.00	5.0	1.50	7,000	N	N	N	20	1,000
DK047H	37 4 14	114 52 12	10.0	2.00	7.0	2.00	2,000	N	N	N	50	1,500
DB048H	37 3 40	114 52 14	10.0	2.00	5.0	1.00	7,000	N	N	N	150	5,000
DN049H	37 3 29	114 52 37	10.0	5.00	10.0	2.00	3,000	N	N	N	20	700
DK050H	37 3 12	114 53 23	20.0	7.00	10.0	2.00	5,000	N	N	N	100	2,000
DB051H	37 3 25	114 53 47	7.0	5.00	10.0	2.00	2,000	N	N	N	20	1,500
DN052H	37 3 27	114 54 20	10.0	5.00	10.0	2.00	2,000	N	N	N	20	200
DK053H	37 4 8	114 54 32	20.0	10.00	15.0	1.50	5,000	N	N	N	50	700
DB054H	37 4 43	114 54 27	10.0	5.00	10.0	2.00	2,000	N	N	N	20	1,000
DN055H	37 4 10	114 55 15	30.0	2.00	2.0	1.50	1,000	N	N	N	200	200
DK056H	37 4 40	114 55 12	30.0	2.00	5.0	1.00	2,000	N	N	N	200	700
DB057H	37 5 7	114 55 19	15.0	10.00	10.0	1.00	5,000	N	N	N	100	500
DN058H	37 7 5	114 51 17	10.0	7.00	10.0	2.00	5,000	N	N	N	50	5,000
DK059H	37 6 33	114 51 25	10.0	2.00	10.0	2.00	10,000	N	N	N	50	>10,000
DB060H	37 6 11	114 51 29	7.0	.50	2.0	2.00	10,000	N	N	N	50	>10,000
DN061H	37 5 57	114 52 7	20.0	5.00	10.0	2.00	3,000	N	N	N	100	2,000
DK062H	37 6 8	114 52 11	10.0	5.00	10.0	2.00	3,000	N	N	N	100	500
DB063H	37 5 14	114 52 19	7.0	2.00	5.0	2.00	2,000	N	N	N	70	500
DN064H	37 5 38	114 53 7	7.0	5.00	10.0	2.00	2,000	N	N	N	50	700
DK065H	37 5 17	114 53 11	10.0	5.00	10.0	2.00	5,000	N	N	N	50	2,000
DB066H	37 5 3	114 53 51	20.0	10.00	10.0	2.00	5,000	N	N	N	50	1,000
DY067H	37 3 18	114 58 54	7.0	5.00	10.0	2.00	2,000	N	N	N	20	300
DK068H	37 3 39	114 57 57	30.0	5.00	7.0	>2.00	5,000	N	N	N	150	700
DY069H	37 5 48	114 58 12	20.0	7.00	10.0	2.00	5,000	N	N	N	50	700
DK070H	37 6 10	114 58 5	15.0	2.00	5.0	2.00	2,000	N	N	N	100	500
DB071H	37 6 33	114 57 51	5.0	5.00	7.0	2.00	2,000	N	N	N	20	100
DY072H	37 6 54	114 57 48	10.0	2.00	2.0	1.50	2,000	N	N	N	70	1,000
DK073H	37 7 23	114 58 3	10.0	2.00	5.0	.70	2,000	N	N	N	50	700
DB074H	37 7 43	114 57 27	5.0	5.00	7.0	1.50	2,000	N	N	N	<20	10,000
DB075H	37 7 41	114 57 54	15.0	5.00	5.0	1.50	5,000	N	N	N	<20	10,000
DY076H	37 8 58	114 57 31	5.0	5.00	7.0	1.00	1,500	N	N	N	50	1,000
DY077H	37 8 55	114 57 32	10.0	2.00	7.0	.70	2,000	N	N	N	20	1,500
DK078H	37 8 13	114 58 18	20.0	1.00	7.0	.70	2,000	N	N	N	200	700
DK079H	37 9 57	114 57 21	5.0	1.00	7.0	1.00	1,000	N	N	N	20	1,000
DK080H	37 9 43	114 57 18	2.0	.20	7.0	1.00	500	N	N	N	<20	1,500
DY081H	37 9 25	114 58 23	10.0	1.00	7.0	1.00	1,000	N	N	N	100	700
DB082H	37 9 3	114 58 42	10.0	.50	5.0	1.00	1,500	N	N	N	100	700
DK083H	37 11 22	114 48 27	5.0	.20	2.0	1.50	500	N	N	N	<20	500
DY084H	37 11 16	114 48 28	7.0	.50	5.0	2.00	1,000	N	N	N	20	200
DB085H	37 10 26	114 47 42	5.0	.20	2.0	1.50	500	N	N	N	<20	500
DY086H	37 10 52	114 46 6	7.0	.50	2.0	1.50	700	N	N	N	20	200
DK087H	37 11 12	114 46 47	10.0	1.00	2.0	1.00	1,000	N	N	N	20	200
DB088H	37 11 23	114 46 2	10.0	1.00	5.0	1.00	1,000	N	N	N	20	200
DY089H	37 11 57	114 47 17	10.0	1.00	5.0	1.00	1,500	N	N	N	20	200
DK090H	37 12 4	114 48 7	10.0	.50	5.0	1.50	1,000	N	N	N	20	200

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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	Sb-ppm s	Sc-ppm s
DN046H	2	N	N	70	200	70	1,500	30	150	70	200	N	70
DK047H	2	N	N	20	150	20	>2,000	30	150	70	70	N	70
DB048H	5	N	N	150	150	70	1,500	30	150	200	1,500	N	20
DN049H	<2	N	N	30	150	20	2,000	N	200	70	20	N	100
DK050H	<2	N	N	70	300	70	>2,000	30	150	100	150	N	150
DB051H	<2	N	N	30	100	20	>2,000	N	200	70	50	N	70
DN052H	<2	N	N	30	150	30	1,500	N	150	100	20	N	100
DK053H	<2	N	N	50	200	30	1,000	N	70	100	30	N	200
DB054H	<2	N	N	30	150	30	2,000	N	150	50	50	N	30
DN055H	7	N	N	50	100	70	1,500	30	150	150	500	N	20
DK056H	5	N	N	50	70	70	1,000	30	150	150	200	N	70
DB057H	2	N	N	70	100	70	500	N	100	100	150	N	150
DN058H	<2	N	N	50	100	30	2,000	30	200	70	100	N	150
DK059H	<2	N	N	100	70	50	>2,000	30	150	70	1,000	N	70
DB060H	<2	N	N	70	N	70	2,000	50	200	30	1,000	N	70
DN061H	10	N	N	20	100	50	1,000	30	200	70	70	N	70
DK062H	10	N	N	30	100	30	1,500	30	300	30	100	N	70
DB063H	7	N	N	10	50	20	2,000	30	200	30	70	N	50
DN064H	2	N	N	20	150	20	1,000	N	200	70	20	N	100
DK065H	2	N	N	50	150	50	1,500	20	200	70	150	N	150
DB066H	<2	N	N	70	200	50	2,000	N	100	70	100	N	150
DY067H	<2	N	N	15	100	10	2,000	N	150	30	50	N	70
DK068H	<2	N	N	50	200	70	2,000	30	200	70	100	N	100
DY069H	<2	N	N	70	150	50	1,000	N	100	70	70	N	150
DK070H	<2	N	N	50	150	50	2,000	30	150	100	70	N	70
DB071H	<2	N	N	30	50	15	2,000	N	100	50	70	N	70
DY072H	2	N	N	50	100	70	1,500	30	100	150	150	N	50
DK073H	5	N	N	50	100	70	500	30	100	100	200	N	20
DB074H	<2	N	N	50	150	20	700	N	150	70	70	N	70
DB075H	<2	N	N	30	150	50	2,000	N	100	50	150	N	50
DY076H	N	N	N	N	50	10	300	N	70	30	N	N	50
DY077H	2	N	N	50	150	70	2,000	15	70	70	150	N	70
DK078H	5	N	N	100	100	100	500	30	70	200	150	N	15
DK079H	<2	N	N	20	200	10	500	N	150	50	N	N	70
DK080H	2	N	N	10	100	<10	300	N	100	20	N	N	10
DY081H	2	N	N	70	150	50	1,000	20	100	100	20	N	30
DB082H	<2	N	N	50	200	50	2,000	20	150	70	50	N	100
DK083H	<2	N	N	10	50	10	1,000	10	200	20	N	N	70
DY084H	<2	N	N	20	300	20	2,000	20	200	70	N	N	100
DB085H	<2	N	N	10	N	10	1,000	N	100	20	N	N	50
DY086H	<2	N	N	30	300	50	500	N	150	70	N	N	70
DK087H	<2	N	N	70	300	20	1,000	N	100	300	N	N	70
DB088H	<2	N	N	70	700	20	1,000	N	70	200	N	N	100
DY089H	<2	N	N	70	300	15	2,000	N	70	150	N	N	100
DK090H	<2	N	N	50	300	20	1,000	N	100	150	N	N	100

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DN046H	50	N	150	N	500	<500	>2,000	N
DK047H	150	700	200	N	500	500	>2,000	N
DB048H	50	N	200	N	200	<500	>2,000	N
DN049H	70	200	150	N	1,500	N	>2,000	N
DK050H	50	N	200	N	700	<500	>2,000	N
DB051H	50	200	200	N	1,000	N	>2,000	N
DN052H	20	N	200	N	500	N	>2,000	N
DK053H	20	N	200	N	300	N	>2,000	N
DB054H	30	700	150	N	500	N	2,000	N
DN055H	20	N	300	N	500	<500	>2,000	N
DK056H	N	N	300	N	200	N	>2,000	N
DB057H	N	N	200	N	200	N	>2,000	N
DN058H	70	N	150	N	700	N	>2,000	N
DK059H	20	700	200	N	300	N	>2,000	N
DB060H	20	700	200	N	500	N	>2,000	200
DN061H	70	N	150	N	500	<500	>2,000	200
DK062H	100	N	150	N	500	<500	>2,000	N
DB063H	200	N	150	N	1,000	N	>2,000	N
DN064H	30	N	150	N	500	N	>2,000	N
DK065H	70	N	200	N	1,000	<500	>2,000	N
DB066H	50	200	200	N	500	N	>2,000	N
DY067H	20	200	150	N	500	N	>2,000	N
DK068H	100	N	200	N	1,000	N	>2,000	200
DY069H	20	N	150	N	300	N	>2,000	N
DK070H	20	N	150	N	300	<500	>2,000	<200
DB071H	150	N	100	N	500	N	>2,000	<200
DY072H	30	N	150	N	200	<500	>2,000	<200
DK073H	20	N	150	N	100	N	>2,000	N
DB074H	70	200	100	N	500	N	>2,000	N
DB075H	30	<200	200	N	1,500	<500	>2,000	N
DY076H	20	N	70	N	300	N	>2,000	N
DY077H	N	N	150	N	200	N	1,000	N
DK078H	20	N	150	N	150	N	2,000	N
DK079H	20	500	100	N	300	N	2,000	N
DK080H	N	700	70	N	200	N	>2,000	N
DY081H	N	N	150	N	300	N	>2,000	N
DB082H	N	N	150	N	500	<500	>2,000	N
DK083H	N	N	50	N	500	N	>2,000	N
DY084H	N	N	100	N	700	N	>2,000	N
DB085H	N	300	100	N	300	N	>2,000	N
DY086H	30	N	100	N	150	N	>2,000	N
DK087H	N	N	100	N	200	N	>2,000	N
DB088H	N	N	150	N	200	N	>2,000	N
DY089H	N	200	150	N	200	N	>2,000	N
DK090H	N	200	150	N	200	N	>2,000	N

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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
DB091H	37 12 52	114 48 16	7.0	.70	5.0	.70	1,000	N	N	N	20	500
DY092H	37 13 15	114 48 45	5.0	1.00	5.0	.50	500	N	N	N	20	150
DK093H	37 13 16	114 49 8	10.0	1.00	7.0	1.00	1,000	N	N	N	20	200
DB094H	37 13 35	114 49 8	5.0	2.00	7.0	1.00	700	N	N	N	20	100
DB095H	37 7 47	114 58 15	10.0	1.00	7.0	1.00	2,000	N	N	N	200	1,000
DY096H	37 14 30	114 50 8	10.0	.20	1.0	1.00	2,000	N	N	N	70	50
DN097H	37 14 43	114 50 18	5.0	2.00	7.0	1.50	1,000	N	N	N	20	200
DB098H	37 14 27	114 50 48	10.0	1.00	2.0	1.00	2,000	N	N	N	20	100
DY099H	37 13 52	114 50 57	5.0	.10	.5	.30	1,500	N	N	N	70	50
DN100H	37 13 22	114 51 27	7.0	5.00	10.0	1.00	1,000	N	N	N	<20	300
DB101H	37 13 8	114 50 38	7.0	5.00	10.0	.70	1,500	N	N	N	20	200
DY102H	37 12 32	114 51 37	2.0	1.00	7.0	2.00	1,000	N	N	N	<20	700
DN103H	37 12 22	114 50 27	5.0	1.00	5.0	2.00	1,000	N	N	N	20	300
DB104H	37 12 4	114 51 23	5.0	2.00	7.0	1.50	1,000	N	N	N	20	1,000
DY105H	37 11 43	114 52 18	10.0	1.00	2.0	2.00	2,000	N	N	N	20	50
DN106H	37 11 38	114 51 11	7.0	2.00	10.0	2.00	1,500	N	N	N	<20	700
DB107H	37 11 17	114 51 5	5.0	2.00	7.0	2.00	1,000	N	N	N	<20	100
DY108H	37 10 19	114 50 43	5.0	2.00	7.0	2.00	1,000	N	N	N	<20	500
DN109H	37 9 52	114 50 48	7.0	2.00	7.0	2.00	1,500	N	N	N	20	200
DB110H	37 9 18	114 51 11	10.0	1.00	5.0	2.00	1,500	N	N	N	20	150
DY111H	37 9 32	114 50 20	10.0	2.00	7.0	2.00	2,000	N	N	N	20	>10,000
DN112H	37 8 12	114 51 40	10.0	2.00	7.0	2.00	1,500	N	N	N	20	150
DB113H	37 7 33	114 53 38	10.0	1.50	7.0	2.00	1,500	N	N	N	20	200
DY114H	37 12 2	114 53 42	10.0	.70	2.0	2.00	1,500	N	N	N	20	50
DN115H	37 11 57	114 55 8	10.0	.20	.5	2.00	1,500	N	N	N	20	50
DB116H	37 11 22	114 53 15	15.0	1.00	2.0	2.00	2,000	N	N	N	50	100
DY117H	37 12 42	114 53 26	10.0	.20	1.0	2.00	1,500	N	N	N	20	50
DN118H	37 12 37	114 53 23	15.0	1.00	2.0	2.00	2,000	N	N	N	20	100
DB119H	37 12 47	114 53 20	10.0	1.00	2.0	2.00	2,000	N	N	N	20	100
DY120H	37 13 2	114 52 38	10.0	.50	1.5	2.00	2,000	N	N	N	20	100
DN121H	37 13 33	114 52 27	10.0	5.00	7.0	2.00	2,000	N	N	N	20	300
DB122H	37 13 50	114 52 43	20.0	.50	5.0	2.00	3,000	N	N	N	20	200
DN123H	37 18 23	114 51 43	20.0	.50	1.5	>2.00	3,000	N	N	N	50	200
DK124H	37 17 12	114 52 2	7.0	5.00	5.0	.70	3,000	N	N	N	20	1,500
DB125H	37 16 40	114 52 6	7.0	.05	.5	2.00	1,000	N	N	N	20	50
DN126H	37 16 6	114 52 10	10.0	.10	5.0	1.50	1,500	N	N	N	50	100
DK127H	37 15 53	114 52 49	10.0	.20	1.0	2.00	1,500	N	N	N	50	50
DB128H	37 15 14	114 51 55	2.0	.20	7.0	.20	700	N	N	N	<20	1,000
DN129H	37 15 48	114 53 17	1.0	.20	1.0	.20	200	N	N	N	<20	500
DK130H	37 15 12	114 53 40	.5	.05	.5	.15	50	N	N	N	<20	50
DB131H	37 15 14	114 53 20	.7	.05	.1	.07	200	N	N	N	<20	50
DN132H	37 16 3	114 53 15	2.0	.50	1.0	.50	500	N	N	N	20	70
DK133H	37 16 8	114 53 8	1.0	.20	.5	.15	200	N	N	N	<20	50
DB134H	37 16 38	114 52 53	1.0	.20	.7	.20	200	N	N	N	<20	200
DN135H	37 16 53	114 52 51	1.0	.20	.5	.10	300	N	N	N	<20	50

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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	Sb-ppm s	Sc-ppm s
DB091H	2	N	N	70	1,500	70	300	N	50	200	N	N	50
DY092H	2	N	N	50	2,000	<10	150	N	50	200	N	N	50
DK093H	<2	N	N	50	300	20	2,000	N	70	70	N	N	70
DB094H	<2	N	N	50	2,000	<10	500	N	100	200	N	N	50
DB095H	2	N	N	100	200	70	500	20	100	200	70	N	20
DY096H	7	N	N	10	100	10	1,000	30	150	20	<20	N	20
DN097H	<2	N	N	20	2,000	10	500	N	150	100	N	N	100
DB098H	2	N	N	30	150	20	1,000	N	100	20	N	N	30
DY099H	7	N	N	N	50	10	100	20	200	10	N	N	15
DN100H	<2	N	N	30	N	10	500	N	50	50	N	N	70
DB101H	5	N	N	30	N	20	100	N	70	30	N	N	70
DY102H	<2	N	N	10	N	20	2,000	N	150	20	20	N	20
DN103H	5	N	N	10	50	10	1,000	N	150	20	20	N	20
DB104H	2	N	N	15	N	10	500	N	100	20	20	N	50
DY105H	5	N	N	10	50	50	>2,000	30	150	20	70	N	50
DN106H	5	N	N	10	100	50	2,000	15	200	20	50	N	100
DB107H	2	N	N	15	200	10	2,000	15	200	70	20	N	70
DY108H	2	N	N	10	N	10	1,000	15	150	20	20	N	70
DN109H	7	N	N	15	100	50	2,000	N	50	30	50	N	70
DB110H	7	N	N	10	50	50	>2,000	30	150	20	100	N	70
DY111H	5	N	N	20	50	70	2,000	30	150	20	50	N	70
DN112H	5	N	N	10	150	20	>2,000	30	200	20	70	N	70
DB113H	7	N	N	10	50	20	2,000	20	200	20	70	N	30
DY114H	7	N	N	N	N	20	>2,000	30	150	20	70	N	30
DN115H	5	N	N	N	N	15	1,000	30	200	20	100	N	20
DB116H	5	N	N	10	50	50	1,000	30	200	30	100	N	15
DY117H	7	500	N	N	N	10	1,500	20	150	20	150	N	20
DN118H	5	N	N	10	N	30	2,000	30	150	20	100	N	20
DB119H	5	N	N	N	N	20	2,000	30	200	20	200	N	20
DY120H	7	N	N	N	N	20	1,500	30	200	20	150	N	20
DN121H	2	N	N	30	200	20	>2,000	N	150	70	100	N	70
DB122H	5	N	N	N	N	30	2,000	30	150	20	1,000	N	20
DN123H	10	N	N	N	N	70	2,000	30	150	10	200	N	70
DK124H	2	N	N	70	N	70	2,000	N	<50	30	300	N	30
DB125H	N	N	N	N	N	10	2,000	N	150	10	70	N	30
DN126H	N	N	N	N	N	20	700	30	200	10	300	N	30
DK127H	N	N	N	N	N	30	700	30	200	10	70	N	30
DB128H	<2	N	N	N	N	20	1,000	N	150	10	20	N	15
DN129H	2	N	N	N	N	<10	100	N	N	10	<20	N	30
DK130H	2	N	N	N	N	N	50	N	N	10	N	N	30
DB131H	2	N	N	N	N	N	N	N	N	10	N	N	10
DN132H	7	N	N	N	N	N	500	N	70	10	20	N	30
DK133H	2	N	N	N	N	N	50	N	N	10	N	N	30
DB134H	5	N	N	N	N	N	200	N	N	10	N	N	30
DN135H	5	N	N	N	N	N	200	N	N	10	N	N	30

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DB091H	N	200	150	N	300	N	1,500	N
DY092H	N	N	150	N	100	N	200	N
DK093H	N	200	200	N	200	N	2,000	N
DB094H	200	N	150	N	150	N	2,000	N
DB095H	N	N	150	N	150	N	>2,000	N
DY096H	70	N	70	N	300	<500	>2,000	N
DN097H	N	200	150	N	500	N	>2,000	N
DB098H	100	N	100	N	200	N	>2,000	N
DY099H	50	N	30	N	200	N	500	N
DN100H	N	200	150	N	200	N	2,000	N
DB101H	500	200	150	N	100	N	1,000	N
DY102H	70	500	100	N	700	N	>2,000	N
DN103H	30	N	50	N	500	N	>2,000	N
DB104H	N	700	100	N	300	N	>2,000	N
DY105H	200	N	50	N	700	<500	>2,000	N
DN106H	100	500	100	N	1,000	N	>2,000	N
DB107H	50	N	70	N	500	N	>2,000	N
DY108H	700	500	70	N	500	N	>2,000	N
DN109H	500	N	100	N	1,000	<500	>2,000	N
DB110H	500	N	50	N	700	<500	>2,000	<200
DY111H	1,000	200	150	N	700	<500	>2,000	N
DN112H	70	N	150	N	700	<500	>2,000	<200
DB113H	100	N	100	N	500	500	>2,000	N
DY114H	150	N	50	N	700	500	>2,000	N
DN115H	100	N	20	N	500	500	>2,000	N
DB116H	50	N	50	N	200	700	>2,000	N
DY117H	50	N	20	N	700	500	>2,000	N
DN118H	70	N	50	N	700	500	>2,000	N
DB119H	700	N	30	N	700	500	>2,000	<200
DY120H	300	N	30	N	300	500	>2,000	N
DN121H	700	<200	150	N	500	<500	>2,000	200
DB122H	1,000	N	70	N	700	500	>2,000	N
DN123H	150	N	50	N	1,500	500	>2,000	200
DK124H	30	N	100	N	150	N	700	N
DB125H	2,000	N	20	N	700	N	>2,000	300
DN126H	70	N	20	N	300	500	>2,000	N
DK127H	70	N	20	N	500	500	>2,000	N
DB128H	70	500	100	N	700	N	>2,000	N
DN129H	N	200	20	N	150	N	>2,000	N
DK130H	N	N	<20	N	200	N	>2,000	N
DB131H	N	N	20	N	70	N	>2,000	N
DN132H	N	N	20	N	1,000	N	>2,000	300
DK133H	N	N	20	N	200	N	>2,000	N
DB134H	N	N	20	N	500	N	>2,000	N
DN135H	N	N	20	N	500	N	>2,000	N

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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
DK136H	37 17 18	114 52 42	1.0	.10	1.0	.10	200	N	N	N	<20	50
DB137H	37 18 5	114 52 41	.7	.05	.5	.10	200	N	N	N	<20	50
DN138H	37 17 49	114 53 20	.7	.05	.2	.10	200	N	N	N	<20	50
DK139H	37 17 44	114 53 11	.7	.05	1.5	.20	200	N	N	N	<20	200
DB140H	37 17 42	114 53 17	1.0	.20	2.0	.50	500	N	N	N	<20	200
DN141H	37 11 44	114 59 55	1.0	.50	5.0	.20	200	N	N	N	20	500
DK142H	37 10 56	114 59 55	1.0	2.00	5.0	.50	200	N	N	N	20	200
DB143H	37 10 48	114 59 55	.5	5.00	7.0	.50	200	N	N	N	20	500
DN144H	37 10 34	114 58 36	1.0	5.00	7.0	.50	200	N	N	N	<20	500
DK145H	37 10 21	114 57 53	.5	2.00	7.0	.50	200	N	N	N	<20	700
DB146H	37 10 19	114 57 49	1.0	1.00	5.0	.70	200	N	N	N	<20	10,000
DN147H	37 12 6	114 58 25	1.0	5.00	7.0	.50	700	N	N	N	<20	7,000
DK148H	37 13 5	114 57 57	1.5	1.00	7.0	.70	300	N	N	N	<20	500
DB149H	37 12 40	114 57 32	.3	.20	7.0	1.00	300	N	N	N	<20	1,000
DN150H	37 12 43	114 56 55	2.0	.50	7.0	1.00	500	N	N	N	<20	500
DK151H	37 13 6	114 57 7	.5	.50	5.0	.20	200	N	N	N	<20	50
DB152H	37 13 32	114 56 33	2.0	.50	5.0	.20	500	N	N	N	<20	50
DN153H	37 13 13	114 56 11	.2	.20	2.0	1.00	200	N	N	N	<20	50
DK154H	37 13 50	114 55 25	.2	.20	2.0	.20	200	N	N	N	<20	50
DB155H	37 14 30	114 55 13	.5	.20	2.0	.15	200	N	N	N	<20	50
DK156H	37 18 29	114 50 17	.5	<.05	.5	.05	50	N	N	N	<20	<50
DK157H	37 17 45	114 50 59	.5	.20	1.0	.20	200	N	N	N	<20	50
DB158H	37 17 7	114 51 15	2.0	.20	2.0	.50	500	N	N	N	<20	50
DY159H	37 16 27	114 51 8	.5	.10	.5	.20	300	N	N	N	<20	50
DK160H	37 16 9	114 51 12	.5	<.05	.1	.10	100	N	N	N	<20	50
DB161H	37 15 35	114 50 38	.7	.05	5.0	.20	200	N	N	N	<20	100
DY162H	37 14 17	114 52 37	.5	.05	.5	.50	200	N	N	N	<20	100
DK163H	37 14 46	114 52 49	1.0	.05	.1	.10	200	N	N	N	<20	50
DB164H	37 14 47	114 54 47	.3	.20	1.0	.20	100	N	N	N	<20	50
DB165H	37 14 52	114 54 42	.3	.10	1.0	.10	50	N	N	N	<20	50
DY166H	37 14 9	114 58 0	.5	.20	1.0	.70	200	N	N	N	<20	200
DK167H	37 15 39	114 55 56	.3	.10	2.0	1.00	200	N	N	N	<20	700
DB168H	37 16 7	114 55 18	.5	.10	5.0	.50	300	N	N	N	<20	700
DY169H	37 16 39	114 55 2	.5	.05	1.5	.50	50	N	N	N	<20	700
DK170H	37 16 46	114 54 56	.5	.10	1.5	.70	200	N	N	N	<20	200
DB171H	37 17 10	114 54 39	.5	.10	2.0	1.00	200	N	N	N	<20	500
DY172H	37 17 43	114 54 47	.5	.10	2.0	1.00	500	N	N	N	<20	200
DK173H	37 17 35	114 54 0	.5	.05	1.0	.50	200	N	N	N	<20	150
DB174H	37 17 45	114 53 37	.5	.20	1.5	1.50	200	N	N	N	<20	700
DY175H	37 10 31	114 52 42	1.5	.20	.5	1.00	700	N	N	N	<20	300
DY176H	37 10 37	114 52 42	2.0	.50	.7	.70	1,000	N	N	N	<20	300
DK177H	37 10 16	114 54 2	1.5	.50	1.0	.30	500	N	N	N	20	500
DB178H	37 10 15	114 54 15	2.0	.50	1.0	1.50	700	N	N	N	<20	500
DY179H	37 9 34	114 52 57	5.0	.20	1.0	.50	1,000	N	N	N	20	50
DK180H	37 10 24	114 54 12	.5	.10	.5	.50	200	N	N	N	<20	200

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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	Sb-ppm s	Sc-ppm s
DK136H	5	N	N	N	N	N	200	N	N	10	N	N	30
DB137H	10	N	N	N	N	N	200	N	200	10	50	N	30
DN138H	5	N	N	N	N	N	150	N	200	10	30	N	30
DK139H	5	N	N	N	N	N	150	N	<50	10	N	N	30
DB140H	7	N	N	N	N	<10	300	N	N	10	N	N	30
DN141H	2	N	N	N	N	<10	100	N	N	10	20	N	20
DK142H	2	N	N	N	N	10	100	N	N	10	100	N	30
DB143H	2	N	N	N	N	15	100	N	N	10	20	N	30
DN144H	2	N	N	N	N	10	50	N	N	10	20	N	30
DK145H	2	N	N	N	N	<10	150	N	N	10	20	N	30
DB146H	2	N	N	N	N	15	150	N	N	10	N	N	30
DN147H	<2	N	N	N	N	<10	100	N	N	10	50	N	30
DK148H	7	N	N	N	N	<10	300	N	N	10	20	N	30
DB149H	2	N	N	N	N	<10	500	N	<50	10	N	N	30
DN150H	2	N	N	N	N	15	300	N	<50	10	N	N	30
DK151H	5	N	N	N	N	N	200	N	N	10	N	N	30
DB152H	5	N	N	N	N	10	150	N	50	10	20	N	10
DN153H	5	N	N	N	N	N	500	N	70	10	N	N	30
DK154H	5	N	N	N	N	N	300	N	N	10	N	N	30
DB155H	2	N	N	N	N	N	50	N	N	10	50	N	15
DK156H	<2	N	N	N	N	N	N	N	N	10	N	N	15
DK157H	5	N	N	N	N	N	300	N	50	10	N	N	30
DB158H	7	N	N	N	N	N	700	N	N	10	20	N	30
DY159H	2	N	N	N	N	N	200	N	50	10	N	N	30
DK160H	5	N	N	N	N	N	150	N	100	10	N	N	30
DB161H	10	N	N	N	N	N	500	N	N	10	20	N	30
DY162H	2	N	N	N	N	N	200	N	N	10	N	N	30
DK163H	2	N	N	N	N	N	N	N	N	10	N	N	10
DB164H	7	N	N	N	N	N	300	N	N	10	N	N	30
DB165H	5	N	N	N	N	N	50	N	N	10	N	N	30
DY166H	2	N	N	N	N	N	200	N	50	10	N	N	30
DK167H	2	N	N	N	N	<10	300	N	70	10	N	N	30
DB168H	<2	N	N	N	N	N	300	N	N	10	N	N	30
DY169H	2	N	N	N	N	N	100	N	N	10	N	N	30
DK170H	5	N	N	N	N	<10	200	N	70	10	N	N	30
DB171H	2	N	N	N	N	<10	300	N	70	10	N	N	30
DY172H	2	N	N	N	N	<10	500	N	70	10	N	N	30
DK173H	5	N	N	N	N	N	200	N	50	10	N	N	30
DB174H	7	N	N	N	N	<10	500	N	150	10	20	N	50
DY175H	7	N	N	N	N	<10	1,000	N	150	10	20	N	10
DY176H	5	N	N	N	N	<10	500	N	150	10	50	N	10
DK177H	7	N	N	N	N	10	100	N	50	10	20	N	10
DB178H	7	N	N	N	N	30	1,500	N	200	10	100	N	50
DY179H	5	N	N	N	100	20	300	N	100	10	50	N	10
DK180H	7	N	N	N	N	<10	700	N	100	10	20	N	10

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DK136H	N	N	20	N	300	N	>2,000	N
DB137H	N	N	20	N	1,500	N	>2,000	500
DN138H	N	N	20	N	1,500	N	>2,000	500
DK139H	N	200	20	N	500	N	>2,000	N
DB140H	70	200	50	N	1,500	N	>2,000	200
DN141H	N	300	20	N	150	N	>2,000	N
DK142H	N	200	20	N	300	N	>2,000	N
DB143H	N	200	20	N	300	N	>2,000	N
DN144H	70	200	20	N	300	N	>2,000	N
DK145H	100	200	20	N	300	N	>2,000	N
DB146H	N	500	50	N	200	N	>2,000	N
DN147H	N	200	50	N	200	N	>2,000	N
DK148H	N	N	20	N	1,000	N	>2,000	N
DB149H	N	300	50	N	700	N	>2,000	N
DN150H	N	300	70	N	500	N	>2,000	N
DK151H	N	N	20	N	300	N	>2,000	N
DB152H	N	N	20	N	100	N	>2,000	N
DN153H	70	N	50	N	700	N	>2,000	N
DK154H	30	N	20	N	500	N	>2,000	N
DB155H	20	N	<20	N	100	N	>2,000	N
DK156H	N	N	<20	N	50	N	>2,000	N
DK157H	N	N	20	N	500	N	>2,000	N
DB158H	N	N	20	N	1,500	N	>2,000	N
DY159H	N	N	20	N	300	N	>2,000	N
DK160H	N	N	20	N	300	N	>2,000	200
DB161H	>2,000	N	50	N	1,000	N	>2,000	<200
DY162H	N	N	20	N	300	N	>2,000	N
DK163H	N	N	<20	N	50	N	>2,000	N
DB164H	200	N	20	N	500	N	>2,000	N
DB165H	N	N	<20	N	200	N	>2,000	N
DY166H	N	N	30	N	500	N	>2,000	N
DK167H	N	700	30	N	200	N	>2,000	N
DB168H	N	500	30	N	150	N	>2,000	N
DY169H	N	700	30	N	200	N	>2,000	N
DK170H	70	200	50	N	700	N	>2,000	200
DB171H	N	500	70	N	500	N	>2,000	N
DY172H	N	200	70	N	500	N	>2,000	N
DK173H	N	N	20	N	500	N	>2,000	200
DB174H	30	N	50	N	1,500	N	>2,000	200
DY175H	30	N	50	N	1,500	N	>2,000	<200
DY176H	N	N	20	N	200	N	>2,000	N
DK177H	N	N	20	N	200	N	>2,000	N
DB178H	N	N	100	N	1,500	N	>2,000	300
DY179H	N	N	100	N	150	N	>2,000	N
DK180H	N	N	70	N	1,500	N	>2,000	<200

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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
DK181H	37 10 25	114 54 36	1.5	.50	1.0	1.00	500	N	N	N	20	500
DB182H	37 10 0	114 55 16	2.0	.50	1.0	1.00	700	N	N	N	20	500
DY183H	37 8 55	114 54 46	.5	.20	1.0	.50	200	N	N	N	<20	700
DK184H	37 8 47	114 54 20	.5	.50	2.0	.50	300	N	N	N	<20	7,000
DB185H	37 8 34	114 54 31	1.5	.70	2.0	.70	500	N	N	N	20	700
DY186H	37 7 29	114 54 29	1.5	.70	10.0	.70	500	N	N	N	20	500
DK187H	37 6 18	114 55 13	2.0	1.50	10.0	1.50	700	N	N	N	20	>10,000
DB188H	37 5 59	114 55 8	1.0	10.00	15.0	.50	700	N	N	N	<20	2,000
DY189H	37 5 31	114 54 18	1.0	2.00	7.0	.50	200	N	N	N	20	1,000
DK190H	37 6 44	114 53 43	2.0	1.00	10.0	.70	700	N	N	N	20	1,000
DB191H	37 6 42	114 53 36	1.0	.50	5.0	1.50	500	N	N	N	20	10,000

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, 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	Sb-ppm s	Sc-ppm s
DK181H	7	N	N	N	N	30	1,000	N	150	10	50	N	50
DB182H	7	N	N	N	N	<10	1,000	N	150	10	50	N	10
DY183H	7	N	N	N	N	<10	500	N	50	10	70	N	10
DK184H	10	N	N	N	N	10	300	N	50	10	30	N	10
DB185H	10	N	N	N	N	<10	500	N	50	10	20	N	50
DY186H	10	N	N	N	100	10	1,000	N	150	10	50	N	10
DK187H	5	N	N	N	100	15	700	N	200	10	50	N	10
DB188H	2	N	N	N	70	10	150	N	50	10	30	N	10
DY189H	5	N	N	N	70	10	150	N	N	10	50	N	10
DK190H	10	N	N	N	N	20	500	N	100	10	50	N	10
DB191H	10	N	N	N	N	<10	1,000	N	150	10	20	N	50

APPENDIX B.--Chemical analyses of heavy-mineral-concentrate samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DK181H	N	N	70	N	1,000	N	>2,000	200
DB182H	N	N	70	N	1,000	N	>2,000	<200
DY183H	700	N	50	N	1,000	N	>2,000	<200
DK184H	150	N	50	N	1,000	N	>2,000	<200
DB185H	N	N	100	N	1,500	N	>2,000	<200
DY186H	N	N	50	N	500	N	>2,000	N
DK187H	30	700	100	N	700	N	>2,000	N
DB188H	N	500	30	N	150	N	>2,000	N
DY189H	N	1,500	50	N	100	N	>2,000	N
DK190H	N	200	50	N	500	N	>2,000	N
DB191H	1,000	N	70	N	1,500	N	>2,000	<200

APPENDIX C.--Chemical analyses of rock samples, Delamar Mountains, Nevada

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
DN002R	37 3 53	114 51 21	.10	.20	20.00	.020	20	N	N	N	N	N
DN008R	37 5 38	114 49 32	1.00	.10	1.00	.070	200	N	N	N	20	50
DB009R	37 5 55	114 49 18	1.00	.10	.30	.200	200	N	N	N	30	500
DY010R	37 6 28	114 49 20	7.00	1.00	2.00	.500	500	N	N	N	15	700
DN011R	37 6 34	114 49 5	.10	1.00	10.00	.010	100	N	N	N	10	<20
DN014R	37 7 43	114 49 26	3.00	.20	1.00	.500	200	N	N	N	70	1,000
DB015R	37 7 53	114 48 59	1.00	.20	.70	.200	200	N	N	N	50	700
DY022R	37 9 25	114 48 34	1.00	.20	1.00	.200	500	N	N	N	10	300
DB024R	37 10 15	114 48 28	5.00	1.00	2.00	.700	700	N	N	N	10	1,000
DN028R	37 2 9	114 53 25	.10	3.00	5.00	.020	20	N	N	N	10	<20
DN031R	37 1 47	114 54 32	.50	5.00	15.00	.030	50	N	N	N	N	<20
DB033R	37 1 58	114 56 18	.10	7.00	10.00	.002	150	N	N	N	N	N
DK038R	37 3 3	114 57 25	.05	5.00	10.00	.002	70	N	N	N	N	N
DN040R	37 4 23	114 56 44	.05	.10	.30	.020	10	N	N	N	15	<20
DK041R	37 5 32	114 56 45	2.00	.70	5.00	.200	700	N	N	N	70	500
DN043R	37 5 28	114 58 18	.05	5.00	15.00	.020	50	N	N	N	N	N
DN052R	37 3 27	114 54 20	7.00	2.00	3.00	.700	700	N	N	N	30	700
DN053R	37 4 8	114 54 32	.20	.50	20.00	.010	150	N	N	N	N	<20
DB057R	37 5 7	114 55 19	1.00	.50	20.00	.100	200	N	N	N	N	<20
DB074R	37 7 43	114 57 27	.10	7.00	10.00	.020	50	N	N	N	N	N
DY076R	37 8 58	114 57 31	2.00	.20	1.00	.200	700	N	N	N	15	<20
DK079R	37 9 57	114 57 21	15.00	3.00	5.00	>1.000	1,500	N	N	N	<10	200
DY086R	37 10 52	114 46 6	7.00	2.00	2.00	1.000	1,000	N	N	N	<10	700
DY089R	37 11 57	114 47 17	7.00	2.00	2.00	1.000	1,000	N	N	N	<10	700
DB094R	37 13 35	114 49 8	1.00	<.02	.05	.050	200	N	N	N	50	N
DN100R	37 13 22	114 51 27	7.00	.50	2.00	1.000	700	N	N	N	15	500
DY105R	37 11 43	114 52 18	2.00	<.02	.05	.200	700	N	N	N	50	<20
DB107R	37 11 17	114 51 5	2.00	.70	2.00	.500	700	N	N	N	15	1,000
DY108R	37 10 19	114 50 43	3.00	.20	1.00	.300	1,000	N	N	N	15	100
DN109R	37 9 52	114 50 48	3.00	.05	.20	.200	700	N	N	N	30	20
DY111R	37 9 32	114 50 20	1.00	.10	1.00	.100	200	N	N	N	15	20
DY120R	37 13 2	114 52 38	2.00	<.02	.05	.100	500	N	N	N	30	<20
DB122R	37 13 50	114 52 43	2.00	.05	.10	.100	500	N	N	N	15	<20
DN123R	37 18 23	114 51 43	2.00	.02	.10	.100	500	N	N	N	30	<20
DB134R	37 16 38	114 52 53	2.00	.10	.50	1.000	700	N	N	N	50	<20
DN141R	37 11 44	114 59 55	.10	5.00	10.00	.200	100	N	N	N	N	N
DK142R	37 10 56	114 59 55	10.00	2.00	7.00	1.000	1,500	1.0	N	N	10	200
DN150R	37 12 43	114 56 55	10.00	3.00	5.00	1.000	1,000	N	N	N	10	300
DY162R	37 14 17	114 52 37	2.00	<.02	.05	.100	700	N	N	N	15	<20
DY166R	37 14 9	114 58 0	1.00	.05	.20	.050	100	N	N	N	10	<20
DK167R	37 15 39	114 55 55	.10	<.02	5.00	.010	10	N	N	N	<10	<20
DK177R	37 10 16	114 52 42	1.00	.50	.50	.100	200	N	N	N	30	20
DY179R	37 9 34	114 52 57	2.00	.07	.30	.100	700	N	N	N	20	50
DY183R	37 8 55	114 54 46	2.00	.07	1.00	.100	500	N	N	N	10	<20
DY200R	36 56 56	114 25 18	5.00	2.00	2.00	.500	500	N	N	N	10	700

APPENDIX C.--Chemical analyses of rock samples, Delamar Mountains, Nevada (continued)

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
DN002R	N	N	N	N	30	N	N	N	5	N	N	N
DN008R	2	N	N	N	<10	20	N	N	5	20	N	N
DB009R	2	<10	N	N	<10	20	N	N	5	70	N	N
DY010R	1	10	N	30	70	30	N	N	30	30	N	5
DN011R	N	N	N	N	N	N	N	N	5	N	N	N
DN014R	3	10	N	5	<10	100	N	<20	N	100	N	5
DB015R	1	<10	N	N	<10	50	N	<20	N	50	N	N
DY022R	3	<10	N	N	<10	70	N	<20	<5	30	N	N
DB024R	1	10	N	15	10	100	N	<20	10	70	N	5
DN028R	N	15	N	N	N	N	N	N	N	20	N	N
DN031R	N	N	N	N	N	N	N	N	N	20	N	N
DB033R	N	N	N	N	N	N	N	N	N	10	N	N
DK038R	N	N	N	N	N	N	N	N	N	10	N	N
DN040R	N	N	N	N	N	N	N	N	N	N	N	N
DK041R	2	<10	N	N	N	50	N	N	5	70	N	N
DN043R	N	N	N	N	N	N	N	N	N	10	N	N
DN052R	N	N	N	20	70	50	N	N	20	30	N	10
DN053R	N	N	N	N	<10	N	N	N	N	N	N	N
DB057R	N	N	N	N	10	N	N	N	5	N	N	N
DB074R	N	N	N	N	<10	N	N	N	N	N	N	N
DY076R	7	N	N	N	<10	200	N	50	N	20	N	N
DK079R	N	N	N	100	70	N	N	N	100	N	N	30
DY086R	2	N	N	50	70	100	N	<20	30	10	N	20
DY089R	1	N	N	30	70	100	N	<20	30	10	N	20
DB094R	10	N	N	N	<10	N	N	50	N	50	N	5
DN100R	1	N	N	15	<10	50	N	<20	N	10	N	20
DY105R	10	N	N	N	<10	200	N	100	15	50	N	N
DB107R	2	N	N	5	10	100	N	N	5	50	N	5
DY108R	7	N	N	N	<10	200	N	50	N	70	N	5
DN109R	10	N	N	N	<10	200	N	50	N	50	N	5
DY111R	7	N	N	N	<10	70	N	20	N	30	N	N
DY120R	7	<10	N	N	N	20	N	20	5	50	N	5
DB122R	5	N	N	N	N	70	N	20	5	50	N	5
DN123R	10	N	N	N	<10	50	N	50	N	70	N	N
DB134R	10	N	N	N	<10	200	N	50	N	70	N	N
DN141R	N	N	N	N	10	N	N	N	N	10	N	N
DK142R	1	N	N	70	50	20	N	N	50	10	N	20
DN150R	N	N	N	70	200	20	N	N	50	15	N	20
DY162R	7	N	N	N	N	50	N	20	5	30	N	N
DY166R	3	<10	N	N	N	20	N	N	N	10	N	N
DK167R	N	N	N	N	N	N	N	N	5	N	N	N
DK177R	7	N	N	N	N	20	N	20	5	50	N	N
DY179R	3	N	N	N	N	50	N	<20	N	20	N	N
DY183R	3	<10	N	N	N	100	N	20	N	50	N	N
DY200R	1	10	N	20	70	20	N	N	70	20	N	10

APPENDIX C.--Chemical analyses of rock samples, Delamar Mountains, Nevada (continued)

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DN002R	N	300	20	N	N	N	<10	N
DN008R	N	N	20	N	20	N	100	N
DB009R	N	100	20	N	10	N	100	N
DY010R	N	300	100	N	15	N	200	N
DN011R	N	200	10	N	N	N	N	N
DN014R	N	200	70	N	30	N	500	N
DB015R	N	150	20	N	10	N	500	N
DY022R	N	150	20	N	30	N	200	N
DB024R	N	300	100	N	50	N	200	N
DN028R	N	100	10	N	N	N	N	N
DN031R	N	100	10	N	N	N	<10	N
DB033R	N	N	10	N	N	N	N	N
DK038R	N	N	10	N	N	N	N	N
DN040R	N	N	10	N	N	N	20	N
DK041R	N	100	20	N	10	N	200	N
DN043R	N	N	10	N	N	N	<10	N
DN052R	N	500	100	N	20	N	150	N
DN053R	N	100	10	N	15	N	N	N
DB057R	N	200	20	N	10	N	20	N
DB074R	N	N	10	N	N	N	N	N
DY076R	N	N	10	N	70	N	700	N
DK079R	N	500	500	N	50	N	500	N
DY086R	N	200	100	N	50	N	700	N
DY089R	N	200	100	N	50	N	700	N
DB094R	N	N	10	N	30	N	200	N
DN100R	N	200	150	N	50	N	500	N
DY105R	N	N	10	N	100	N	1,000	N
DB107R	N	500	100	N	15	N	100	N
DY108R	N	N	10	N	50	N	700	N
DN109R	N	N	10	N	50	N	700	N
DY111R	N	N	10	N	30	N	200	N
DY120R	N	N	10	N	50	N	500	N
DB122R	N	N	10	N	50	N	500	N
DN123R	N	N	10	N	30	N	700	N
DB134R	N	N	10	N	50	N	700	N
DN141R	N	N	10	N	N	N	N	N
DK142R	N	500	200	N	30	N	300	N
DN150R	N	500	300	N	30	N	200	N
DY162R	N	N	10	N	50	N	700	N
DY166R	N	N	10	N	20	N	100	N
DK167R	N	N	<10	N	N	N	10	N
DK177R	N	100	10	N	50	N	100	N
DY179R	N	N	10	N	20	N	200	N
DY183R	N	N	<10	N	30	N	500	N
DY200R	N	300	100	N	15	N	100	N