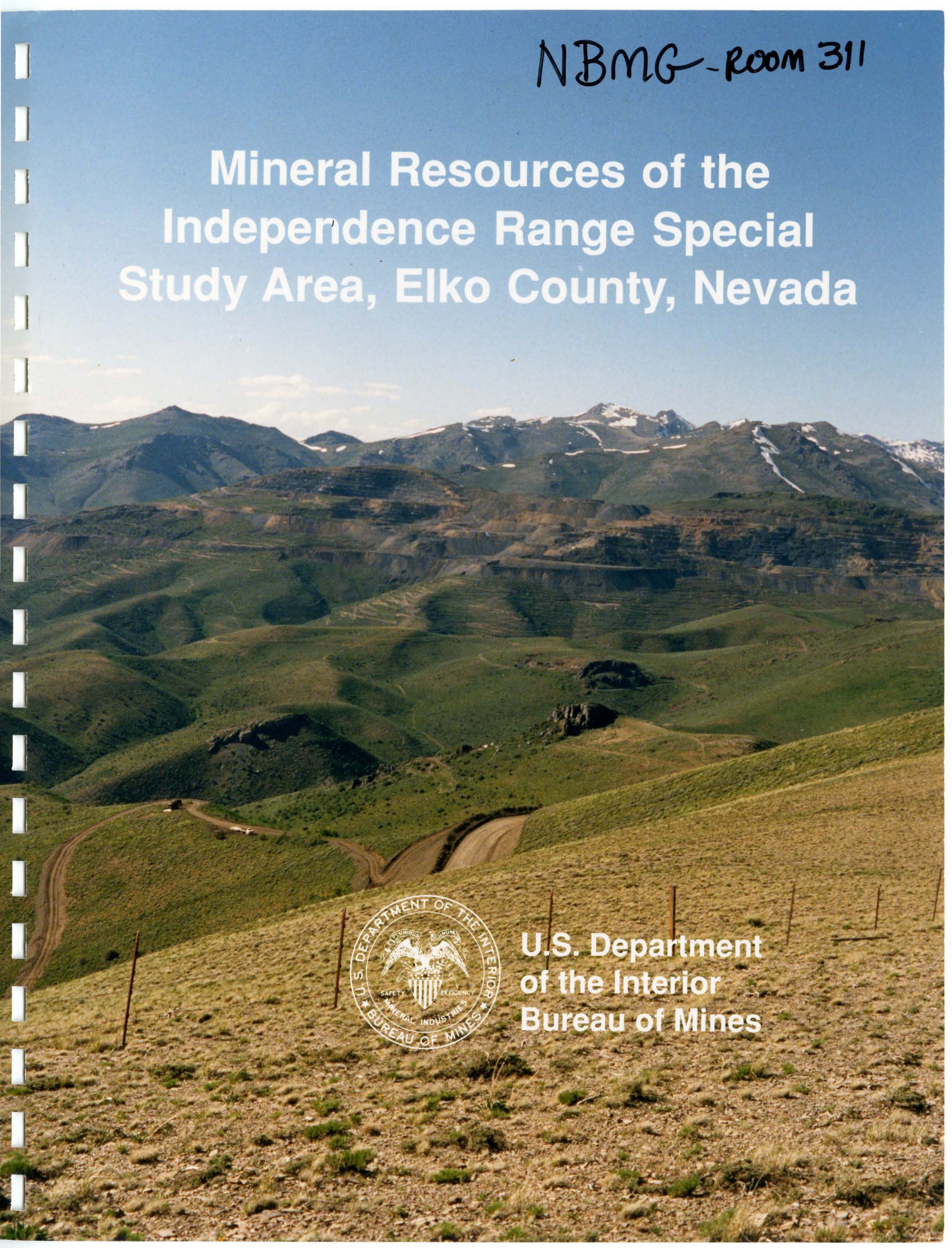
Mineral Resources of the Independence Range Special Study Area, Elko County, Nevada



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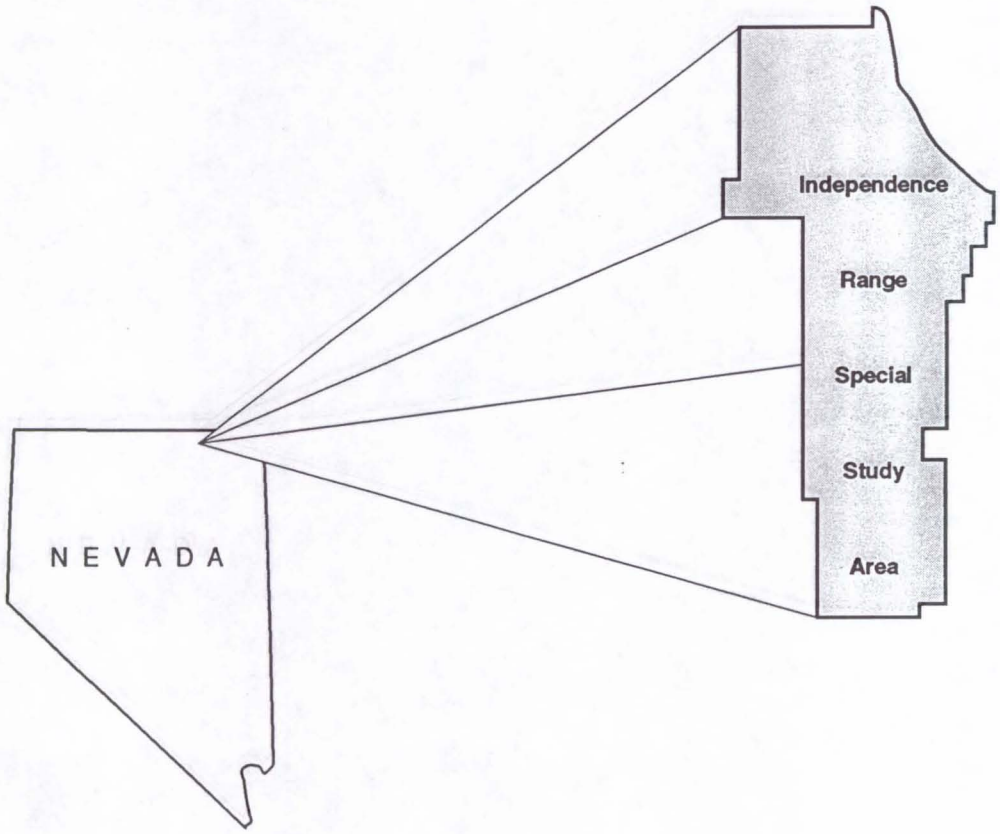

BUREAU OF MINES

UNITED STATES DEPARTMENT OF THE INTERIOR

MINERAL RESOURCES OF THE INDEPENDENCE RANGE SPECIAL STUDY AREA, ELKO COUNTY, NEVADA

by
Steven W. Schmauch, Peter N. Gabby,
and David A. Lipton

Western Field Operations Center
Spokane, Washington

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13. ABSTRACT *(Maximum 200 words)*

The U.S. Bureau of Mines conducted a mineral resource survey of approximately 232,000 acres in part of the Humboldt National Forest, Nevada, during 1989. About 75 percent of the study area was covered with mining claims. About 1,800 samples were collected and analyzed for 16 elements. Geologic structure, including thrust faults, is the most important factor in the localization of mineral deposits in the study area.

The Independence mine (formerly Jerritt Canyon), Big Springs, and Wood Gulch are the most well known active properties, all developed on large, low-grade, disseminated gold deposits. These deposits have produced almost 3 million ounces of gold and are known to contain more than 8 million ounces of gold. At least 10 barite deposits in the south end of the range have had significant past production and contain 0.2 million tons of resources. Numerous precious and base metal targets have been identified and in some cases quantified during this study.

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PREFACE

A January 1987 Interagency Agreement between the U.S. Bureau of Mines, U.S. Geological Survey, and U.S. Forest Service describes the purpose, authority, and operation for a program of forest-wide studies. The program is intended to assist the Forest Service in incorporating mineral resource data in forest plans as specified by the National Forest Management Act (1976) and Title 36, Chapter 2, Part 219, Code of Federal Regulations and to augment the Bureau's mineral resource data base so that it can analyze and make available minerals information as required by the National Materials and Minerals Policy, Research and Development Act (1980). This report is based upon available information, limited field investigations to verify or collect additional information, and contacts with mine operators active on lands in the Independence Range part of the Humboldt National Forest.

On the cover. View looking south in the Independence Mountains, of the Jerritt Canyon mine. From west to east, the West Generator Hill, North Generator Hill, and Marlboro Canyon excavations. The Alchem deposit is in the area of numerous drill roads. The foreground shows part of the main haulage road from Burns Basin to the mill facilities (not shown).

The data in this report were gathered and interpreted by the U.S. Bureau of Mines personnel from Western Field Operations Center, East 360 Third Avenue, Spokane, WA 99202. The report has been edited by members of the Branch of Resource Evaluation at the field center and reviewed at the Branch of Mineral Land Assessment, Washington, DC.

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ILLUSTRATIONS
(All plates are 1:1,126,720 scale)

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UNIT OF MEASURE ABBREVIATIONS USED IN THIS REPORT

in.	inch
ft	foot
ft^2	square feet
ft^3/ton	cubic feet per ton
t	metric ton
mi	mile
mi^2	square miles
oz	troy ounce
oz/ton	troy ounce per ton
tpd	tons per day
lb	pound
%	percent
ppm	part per million
ppb	part per billion
yd3	cubic yard
¢/lb	cents per pound

SUMMARY

In 1989 the U.S. Forest Service requested that the U.S. Bureau of Mines evaluate mineral resources in an actively developing, mineralized part of the Humboldt National Forest. The evaluation covered 232,000 acres managed by the U.S. Forest Service and an additional 128,000 acres of adjacent mineralized land managed by the U.S. Bureau of Land Management. This special study area (only a part of the forest) is within Elko County, 35 to 85 mi north of Elko, NV.

Geologic structure is the most important factor in the localization of mineral deposits in the study area. The Roberts Mountain and Golconda thrust plates, as well as northeast-to-northwest striking, steeply dipping shear zones are closely associated with large, low-grade disseminated gold deposits. Favorable geologic formations, including the Roberts Mountain, Hanson Creek, and Schoonover, contain the most important host rocks. However, historical mining was mainly on quartz veins or shear zones related to granitic intrusives; one exception is a massive-sulfide copper deposit.

The Jerritt Canyon and Big Springs mines are the largest known low grade disseminated gold deposits in the study area. Jerritt Canyon has 29 known satellite ore bodies surrounding the main deposit. As of 1990, total resources and reserves reported by the operating company are 79 million tons, containing 7 million oz gold. Deposit-discovery tonnages exceeded the mining depletion rate during the 1980's. From 1983 to 1989, 2.2 million oz gold were produced. From 1987 to 1989 Big Springs has produced more than 0.1 million oz gold. As of 1990, total company-reported resources and reserves are 12.9 million tons, containing almost 1 million oz gold. Both mines have also produced by-product silver.

At least 10 barite mines in the Jerritt Canyon vicinity contain 0.2 million tons of identified resources. A few thousand tons of antimony and manganese resources exist in several widely spaced locations.

The most significant disseminated gold deposit in the northern part of the study area is the Wood Gulch mine. From 1988 to April 1990 about 60,000 oz gold and 210,000 oz silver were produced. As of 1990, the operating company estimated that 490,000 tons of reserves on the property contained 48,000 oz gold and 180,000 oz silver. Two similar nearby deposits, the McCall Zone and Doby George, are in advanced exploration-feasibility stages. The above-mentioned mines and 9 other sites, some past producers, have a total of 16.8 million tons of identified resources or reserves that contain gold, silver, copper, lead, and zinc. One small underground mine, the Big Four, is a current (1989) silver producer. There are also 4.0 million yds^3 of gold bearing gravel, mostly in the Van Duzer-Cobb Creek drainages.

Published and unpublished geologic data were collected from mining companies, government agencies, and library sources. Elko County mining claim records from 1972 to 1989 were compiled and used as a guide for field investigations; about 75% of the study area was covered with claims.

About 1,800 samples were collected, mostly from areas of known mineralization outside of active mining sites. From this data base, areas of anomalous concentrations of elements were defined.

Areas of anomalous concentrations were determined for gold, silver, copper, lead, zinc, arsenic, antimony, mercury, and barite (plates 4-14). These specific outlined areas identify locations most likely to be explored or developed in the future. Composites of these maps illustrate zoned element relationships, which may be a useful guide for exploration. The comparison of the Bureau of Mines gold anomaly map (plate 5) with mining company data shows striking similarities. Preliminary data has been given to the U.S. Forest Service for their planning use.

It was not within the scope of this report to completely evaluate placers or commodities such as limestone, oil and gas, or geothermal waters. Sand and gravel deposits in the study area do not represent an economic resource at this time. Similar deposits exist closer to market areas.

INTRODUCTION

This report describes the U.S. Bureau of Mines (USBM) evaluation of mineral resources in the Independence Range special study area, as requested by the U.S. Forest Service (USFS) in March, 1989. This special study, a variation of the USBM forest-wide studies program, is a short-term investigation designed to provide mineral information for immediate planning needs. About 232,000 acres within the Humboldt National Forest, and 128,000 acres of adjoining land managed by the U.S. Bureau of Land Management (BLM) were studied concurrently. The study was intended to provide a regional mineral perspective. Although detailed, site-specific work was limited, all known workings and most claims were examined, with special efforts made to collect data where little or none was otherwise available.

The information acquired was used to define areas where future mineral exploration or development are likely, as expressed in plates 4-14 at the end of this report. These plates are intended to be overlain on the one-half inch per mile planimetric base map (scale 1:126,720) available from the Humboldt National Forest. Specific property information is available at the Bureau of Mines, Western Field Operations Center, Spokane, WA.

Results of this investigation will be used by the USFS to integrate mineral development with that of other resources within a total management framework. The long-term objective of this mineral survey is to ensure the Nation of an adequate and dependable supply of minerals at a reasonable cost.

Setting

The Independence Range special study area covers the southwestern portion of the Humboldt National Forest in Elko County, NV. The area is comprised of two mountain ranges; the Bull Run Mountains on the north and the Independence Mountains on the south. Portions of adjacent BLM land were

included in this study for continuity in evaluation of resources. The entire area is essentially bounded by Nevada State Highways 225 and 226 (fig. 1).

Access is from both sides of the study area; Highway 225 provides access to the east side, and Highway 226 provides paved access for about 15 mi along the south and part of the west range front. Improved dirt roads provide access farther north along the west range front, and also across the range via Jack Creek and Maggie summits. The northern border is bounded by the Duck Valley Indian Reservation, and access is limited. Other roads, including drill roads, provide good access to most of the study area.

The highest elevations, especially the 7-mi-long crest of the Independence Mountains at more than 10,000 ft, are rugged terrain, with steep cliffs and glacial cirques. Scattered areas of conifers, mostly limber pine and juniper, dot the rocky landscape. The lower elevations are steep to rolling hills with sagebrush, sparse conifers, and groves of quaking aspen along the drainages.

Elevations farther north in the Bull Run Mountains are less than those in the Independence Mountains, but the types of vegetation are similar. The two mountain ranges are distinctly separated by the 5-mi-diameter Bull Run Basin and relatively low topography of the Maggie Summit area. Elevations range from 5,575 ft along the Owyhee River at the extreme north end of the study area to 10,439 ft at McAfee Peak in the Independence Mountains. Most precipitation occurs as snow in the late fall and winter months.

Previous Studies

Investigation of the structural and stratigraphic framework of northern and central Nevada began with Gilbert (1874), Hague and Emmons (1877), and King (1878), with important contributions by Ferguson and Muller (1936), Merriam and Anderson (1942), Roberts and Arnold (1952), Gilluly (1954), Roberts and Lehner (1955), Roberts and others (1958), Silberling and Roberts (1962), and Stewart (1980), and Turner and others (1989). Detailed mapping in the vicinity of the Independence Range was conducted by Lovejoy (1959), Decker (1962), Fagan (1962), Kerr (1962), Churkin and Kay (1967), Coats (1971; 1987), and Ehman and Clark (1986).

Information and descriptions of mines and mining districts are contained in Emmons (1910), Hill (1912; 1915), Lincoln (1923), Nolan (1933), Vanderburg (1936), Couch and Carpenter (1943), York and Ferguson (1944), Granger and others (1957), Roberts (1960), Coats and Stephens (1968), Smith (1976), Hawkins (1982), and Birak (1986). Commodities information are in Lawrence (1963), Beal (1963), Horton (1963), Garside (1973), Johnson (1973), Bentz and Tingley (1983), Papke (1984), and in Stager and Tingley (1988). Three exploratory oil and gas wells drilled in the Bull Run Basin are mentioned in Lintz (1957), Schilling and Garside (1968), and Garside and others (1988).

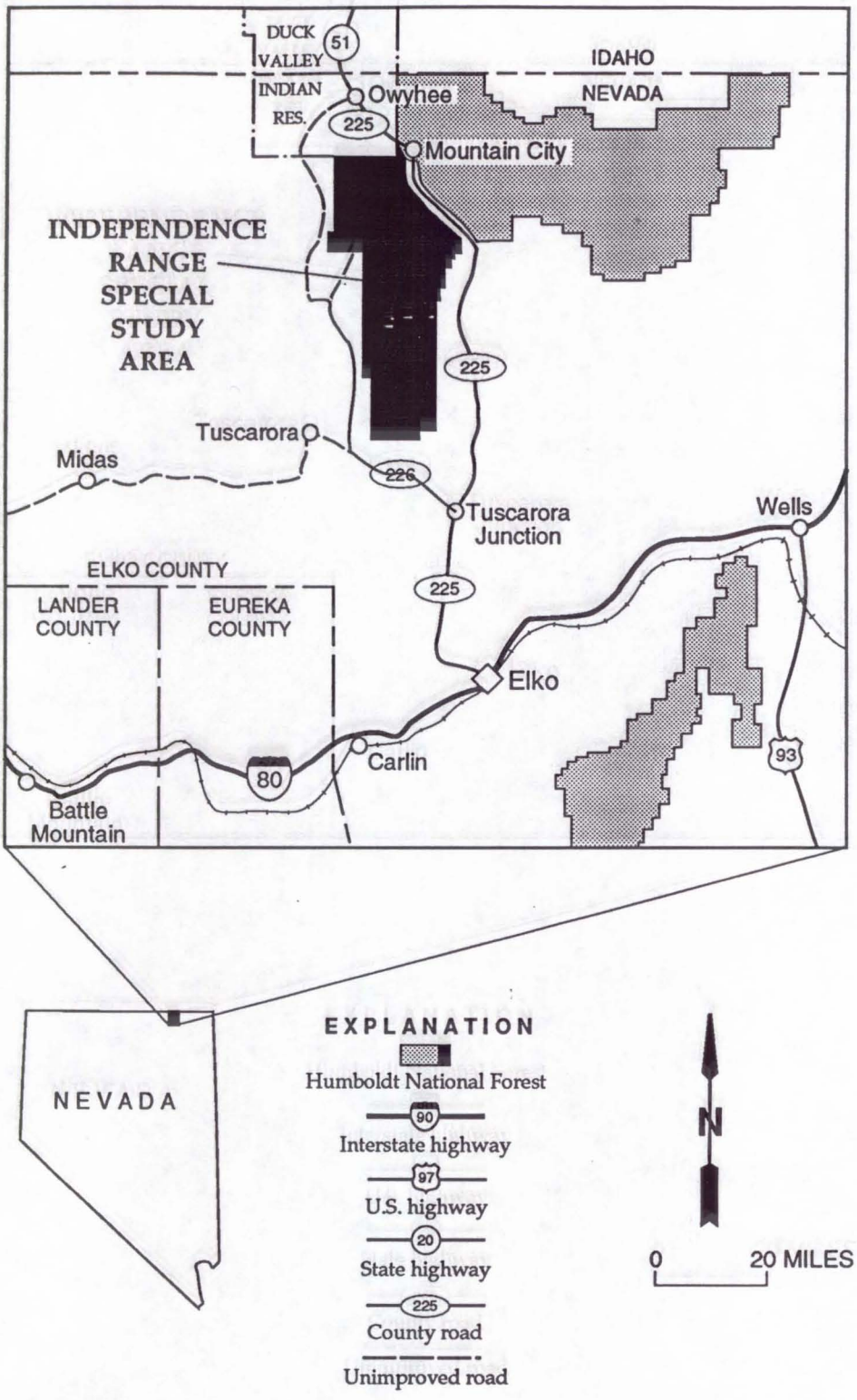

Figure 1. - Location of the Independence Range special study area, Elko County, NV

Compilation of previous geologic information combined with intuitive geologic reasoning by Roberts (1960) led to the Carlin Gold discovery a few miles southwest of the study area. Geologists seeking antimony based on the Lawrence (1963) report, recognized Carlin-like geologic characteristics in the Independence Range. This led to discovery of the Jerritt Canyon gold deposits in 1973. Since that time, geologic investigations in the region have increased tremendously. The most significant, recent information is in a two-volume collection of Symposium proceedings edited by Raines, Lisle, Schafer, and Wilkinson (1991).

Present Study

Prefield investigation by USBM personnel involved research of existing mineral-related information, including published and unpublished reports, production records, and mineral property files. USFS and BLM files provided current mine operating plans as well as patented and surveyed mine maps. Claimants and mining companies were contacted; they provided geologic maps, assays, and information both specific to their properties and covering the entire region. Elko County records provided locations of all claims filed since 1972 by section, township, and range. This information was transferred to 7.5 minute topographic maps. In areas of apparent conflict, the most recent claims were assumed current, and were used to construct the claims maps. The maps were compiled to aid field studies and are not legal land status documents (plate 1).

Field work was conducted from May through September 1989. Helicopter and four-wheel-drive vehicles were used to gain access to properties. All known mines, prospects, and workings were sampled. Also, many outcrop samples were collected from large claim blocks with few or no workings. A total of 1,752 lode and 15 placer samples were collected from 157 properties. Plate 2 shows the locations of these samples.

Sampling

Five types of samples were collected: Chip - A series of continuous chips across a vein, zone, structure or mineralized body; Random Chip - Chips of rocks taken at random intervals from an apparently homogeneous exposure; Grab - An unselected assortment of rock pieces generally from a stockpile, dump, or an outcrop of altered rock; Select - Hand picked material of the apparently most mineralized rock available, or any particular fraction (e.g., host rock); and Pan - A measured volume of alluvium in a 14-in. diameter gold pan that holds 1/250 of a cubic yard (0.004 yd^3), when filled level to its rim[1].

Most of the rock samples collected for this study were grab or select samples. Analyses of these samples helped confirm the presence or absence of economic minerals and indicated probable maximum mineral content. Chip

[1]A 10 to 20 percent increase in volume results when in-place material, sometimes water saturated, is dislodged and placed into a pan. This "swell factor" is incorporated in the volume calculation.

samples were taken from mineralized surface and underground structures at widely spaced intervals. They contained from 1 to 3 lb of material per linear foot, and are suitable for estimating tonnage and grade of resources. If the trend of a mineralized structure was not apparent, random chip samples were collected.

Pan samples are alluvial material collected near the surface. Analytical results should be viewed only as general indicators of the presence or absence of valuable detrital minerals.

Analytical Techniques

The rock samples were checked for radioactivity and fluorescence and prepared for analysis by crushing, splitting, and mixing. After preparation, a portion of each sample was sent to Geochemical Services Inc.[2], Sparks, Nevada. All samples were acid digested and analyzed for 16 elements[3] by inductively coupled plasma emission spectroscopy and graphite furnace atomic absorption methods. Most were also analyzed for barium and tungsten.

Placer samples were reduced into rough concentrates in the field by panning and were further concentrated on a laboratory-size Wilfley table at the USBM in Spokane, Washington. Gold content was determined by weighing both the larger hand picked pieces and the amalgamated finer pieces. Standard procedures used to detect other valuable minerals associated with the black sand concentrate included radioactivity, fluorescence tests, and microscopic examination.

Complete analyses for the lode and placer samples are in Appendix A.

ACKNOWLEDGMENTS

The authors extend special thanks to Mr. Ron Baer, mining geologist, Elko Ranger District, Humboldt National Forest, for contributing mining and minerals-related information. The BLM in Elko, Nevada, kindly provided an operations base and use of their facilities. Many mining companies shared their minerals data, including: American Copper and Nickel, American Gold, Amselco Exploration, Arentz Mining and Engineering, BHP Utah Minerals (Utah International), BP Minerals, Bow Valley Mining, Brican Resources, Bull Run Gold Mines, Can Am Gold, Corona Gold (formerly Lacana Gold), Echo Bay, Energy Resources Group, Inc., Fluor Group, Franco Nevada Mining (Euro Nevada Mining), Freeport-McMoRan Corporation (Minorco, as of March, 1990), Goldfields Mining Co., Homestake Mining Co., Horizon Gold Shares, Inc., MI Drilling Fluids (part of Dresser Industries), Nerco

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[2]Use of trade and company names in this report are for descriptive purposes only and does not imply endorsement by the USBM.

[3]Silver, arsenic, gold, copper, mercury, molybdenum, lead, antimony, thallium, zinc, bismuth, cadmium, gallium, selenium, tellurium, palladium.

Minerals Co. (Resource Associates of Alaska), Newmont Mining Corp., Noranda Mining Co., Oro Nevada, PAN Orvana, Rio Algom Exploration, Inc., Sierra Exploration, Superior Oil, Tenneco Minerals, and Westley Exploration.

Freeport-McMoRan, Newmont, and Homestake mining companies also arranged for tours of their properties and shared their field expertise. Numerous claimants of patented and unpatented properties also contributed valuable information.

The authors also wish to thank their summer field assistants, Audrey Huerta, Lisa Proch, and Linda Glaman, for all of their efforts. Curt Hughes and Nicholas Wetzel, USBM personnel, provided computer-generated maps and mine feasibility data for this report. Michael Hamilton, USBM, collected much of the data obtained from the mining companies.

GEOLOGIC SETTING

The Independence Range consists of a nearly complete geologic sequence of Paleozoic sedimentary and interbedded volcanic rocks. Limestone, dolomite, shale, sandstone, conglomerate, chert, and greenstone (meta-andesite and basalt) occur in various gradational mixtures and stages of metamorphism. Detailed rock and formation descriptions are in Decker (1962), Fagan (1962), Kerr (1962), Ehman and Clark (1986), and Coats (1987). A synopsis of these descriptions is presented in Table 1. Figure 2 is a simplified geologic map of the study area and vicinity.

In the early to middle Paleozoic, northeastern Nevada was a large subsiding basin, much like the present day Gulf of Mexico. Shallow water deposition of limestone ("carbonate facies") gradually changed westward to the deeper water shale-chert-sandstone sediments ("siliceous facies"). During the middle Paleozoic, a major mountain building episode, the Antler orogeny, uplifted the west basin rocks. Associated faulting, primarily along the Roberts Mountain thrust, transported siliceous facies rocks (allochthonous) as much as 100 mi eastward over the carbonate facies rocks (autochthonous).

Rapid erosion of these elevated, transported rocks resulted in the adjacent formation of coarse clastic sediments termed the Overlap sequence. At the same time, interbedded volcanic and sedimentary layers were formed in the western part of the basin. During the late Paleozoic to early Mesozoic, the Sonoma orogeny overprinted the Antler orogeny. This involved a second major eastward movement of rocks (parautochthonous) to override the same age rocks formed in the east part of the basin. The principal movement occurred along the Golconda thrust. The thrusting also caused further movement along preexisting faults in the Roberts Mountain thrust plate (Kerr, 1962, p. 454-459; Roberts, 1986, p. 71; Coats, 1987, p. 87).

The effect of the Antler and Sonoma orogenies on the Paleozoic rocks is very complex. By analogy, the rocks can be equated to a stack of different colored dinner plates pushed over gently, each sliding over the

Table 1.--Rock Descriptions

The geologic record in the Independence Range study area has been separated into 19 major formations or rock types. These are more completely described in other references. For brevity, only summary descriptions are given here:

Formation or Rock Type	Geologic Age	Description	Reference
Volcanics, sediments, and alluvium	Tertiary/ Quaternary	Tertiary volcanics include andesite, latite, rhyolite, and dacite tuffs and lavas; Tertiary sediments include sandstone, conglomerate, limestone, tuffaceous siltstone, claystone, shale. Quaternary rocks include alluvium and glacial deposits	Coats, 1987, p. 50-71
Intrusives	Jurassic/ Cretaceous	The Jurassic plutonic rocks are hornblende diorite to granodiorite. The Cretaceous plutonic rocks are biotite or hornblende-biotite granodiorite to quartz monzonite	Coats, 1987, p. 74-76
Edna Mountain Formation	Permian	Chert pebble conglomerate and coarse arenite	Coats, 1987, p. 46-47
Reservation Hill Formation	Pennsylvanian	Dolomitic sandstone or siltstone, phyllite, metagraywacke, micaceous and tremolitic quartzite, and some meta-andesite	Coats, 1987, p. 45-46

Table 1.--Rock Descriptions--Continued

Formation or Rock Type	Geologic Age	Description	Reference
Mitchell Creek Formation	Pennsylvanian	Metabasalt and meta-andesite (subsequently altered to greenstone), and minor amounts of calcarenite, calcareous quartzite, phosphatic quartzite, and black chert	Coats, 1987, p. 45
Van Duzer Limestone	do..	Thin bedded to massive limestone with shaly interbeds	Coats, 1987, p. 36
Chellis and Storff Formations or equivalent rocks	Mississippian	Laminated to massive limestone, phyllite, slate, and some argillaceous and dolomitic beds	Coats, 1987, p. 44-45; and Decker, 1962, p. 18-20
Schoonover Formation	do..	Comprises most abundant exposure of Paleozoic rocks in the northern half of the study area; formation consists of shale, bedded chert, arenite, and conglomerate greenstone (andesite lavas), and some limestone	Fagan, 1962, p. 595-599; and Coats, 1987, p. 45
Sedimentary clastic and limy rocks	do..	Basal boulder-to-pebble conglomerate of white quartzite and black chert, fine grained quartzite, quartzose siltstone, and some limy beds and dark shales	Coats, 1987, p. 31
Banner and Nelson Formations	do..	Limestone, siliceous siltstone and a basal conglomerate comprised of quartzite boulders	Coats, 1987, p. 30

Table 1.--Rock Descriptions--Continued

Formation or Rock Type	Geologic Age	Description	Reference
Chainman Shale and Mountain City Formation	Mississippian	Gray to black siliceous schist with a few thin limy beds and dark shales	Coats, 1987, p. 31
Roberts Mountain Formation	Silurian/ Devonian	Calcareous argillaceous quartz siltite, limestone, chert, and dolomite	Coats, 1987, p. 24; Kerr, 1962, p. 446-448
Hanson Creek Formation	Ordovician/ Silurian	Calcareous siltite, silty dolomite and chert	Coats, 1987, p. 22; Kerr, 1962, p. 446
Valmy Formation	Ordovician	Comprises most abundant exposure of Paleozoic rocks in the southern half of the study area. Formation consists of chert, quartzite, basaltic lava with local pillow structures, shale, siltstone, and limestone. Beds and lenses of barite occur in limestone and calcareous shale	Coats, 1987, p. 10-12
Aura Formation	do..	Quartzite, laminated to massive limestone, phyllite, and chert	Coats, 1987, p. 20; Decker, 1962, p. 17
Eureka Quartzite	do..	Upper and lower quartzite members are separated by fossiliferous limestone	Coats, 1987, p. 20
Pogonip Group	do..	Massive limestone and dolomite, and thin-bedded argillaceous or shaly limestone	Coats, 1987, p. 17

Table 1.--Rock Descriptions--Continued

Formation or Rock Type	Geologic Age	Description	Reference
Porter Peak Limestone and Edgemont Formation or equivalent rocks	Cambrian	Massive limestone, schistose to slaty argillite, and sandy to calcareous argillite	Coats, 1987, p. 16; Decker, 1962, p. 14-16
Prospect Mountain Quartzite	do..	Fine- to medium-grained ortho-quartzite with a few thin beds of quartz pebble conglomerate and schist. Part of the late Precambrian McCoy Creek Formation may be included	Coats, 1987, p. 14; Ehman and Clark, 1986

other slightly. A few more plates are placed on top, in scattered positions. This whole collection is pushed further, so that some plates are overturned and some of the lowest plates override some of the added plates.

Igneous plutons intruded the fractured and structurally deformed parts of the rock assemblage several times from the middle Mesozoic to the early Tertiary. Also, Tertiary volcanism in the Independence Range is evidenced by a collapsed volcanic center located in the Bull Run Basin. Late Tertiary and Quaternary alluvium filled the valleys and the flanks of the mountainous areas. The erosional effects and deposition of moraines from local glaciers are most apparent in the Independence Mountains. Extensional tectonics, and resultant block faulting followed by erosion, exposed autochthonous rocks and resulted in the present characteristic Basin and Range topography (Thornbury, 1965, p. 471).

Geology Related to Deposits

A primary factor in the mineralization process is the structural preparation of the potential host rocks. Virtually any rock can be a suitable host if broken, brecciated, or shattered by one or more events. Carbonate rocks or calcareous shale are leached, altered, and replaced (usually with silica) on contact by acidic hydrothermal solutions. The chemically reactive, permeable rocks are the most favorable host rocks for disseminated gold deposits. Faults, including thrust faults, can be either a conduit or a barrier for the hydrothermal solutions. These structures commonly create permeable passageways for fluids, veins, or igneous intrusives. Conversely, faults can block channels or emplace impervious rocks, which effectively limit mineralization.

In the Independence Range the three main operating mines, Jerritt Canyon, Big Springs, and Wood Gulch, are located on disseminated gold deposits. Thrust faults and northeast-to-northwest trending high-angle faults were important in localizing these deposits, mostly in autochthonous (lower plate) rocks. Carbonate and calcareous rocks were the most favorable sites for gold deposition, but the Wood Gulch mine also has gold-bearing Tertiary volcanic rocks. Formations hosting these deposits are the Roberts Mountain, Hanson Creek, Schoonover, and Valmy.

Another major factor in the mineralizing process is the existence of nearby igneous intrusives. These bodies may have been the source of metals in the deposits or may have provided hydrothermal fluids that leached and concentrated metals from surrounding rocks. Emplacement of these igneous bodies intensified existing fracture systems and created new ones in the adjoining rocks. Some dikes and quartz veins emanating from the intrusives contain metallic minerals that, where visible, were easily discovered. Such igneous bodies and veins in the northern part of the study area were the focus of historic mining. In the southern part of the study area, metal deposition was more subtle. Favorable physical and chemical factors such as temperature, pressure, pH, and host rock composition, controlled emplacement of finely disseminated microscopic-sized particles of gold and silver.

The Rio Tinto mine exposes a copper-bearing massive sulfide deposit. Suggestive of a volcanogenic origin, the deposit lacks layers of interbedded igneous rock typical of such occurrences. It is hosted by the Valmy Formation in contorted, intensely folded black shale. A significant drilling and exploration effort in the 1940's failed to disclose any other ore bodies.

The Valmy Formation is widespread in the study area and is the main host rock assemblage for barite beds. These beds are thought to have been formed in a submarine exhalative environment. Barite nodules examined during field studies suggest formation by precipitation. The relative concentration of barite in the southern one-third of the study area could be explained by simultaneous nearby exhalative and precipitation processes (Stephen Howe, USGS, 1990, personal communication). Barite veins in or near the disseminated gold deposits are probably the result of remobilization by hydrothermal activity.

Placers are in scattered locations in the northern half of the Independence Range. The most significant location is the Van Duzer-Cobb Creek drainage. Greenstones in the Valmy Formation in this area contain known disseminated gold resources (McCall Zone). The erosion of local highly faulted quartz veins and the Valmy Formation probably provided the gold found in the placer deposits.

MINING HISTORY AND PRODUCTION

The mining history of the Independence and Bull Run Mountains closely parallels the formation of mining districts and their subdistricts. An area of intense mining activity, commonly centered on a drainage basin or an important mine, was often the basis for establishing a mining district. Generally, the larger the district, the less distinct are its boundaries. The historic mining districts provide a quick and useful way of expressing where claims are located even though Emmons (1910), Granger and others (1957), and Smith (1976) describe the districts and subdistricts in slightly different ways. Figure 3 is a composite mining district map, extracted from several information sources. Table 2 summarizes the available production data from lode and placer deposits in or near the study area. Plates 1 and 3 show the location of claims, mines, and millsites mentioned in this section.

Centennial (Bull Run) Mining District

Near Columbia, NV (site), in 1869 a group of miners led by John Cope discovered outcrops of rich silver-bearing quartz veins (Emmons, 1910, p. 69). Earliest discoveries were made near the mouth of Columbia Creek and in the headwaters of Blue Jacket, White Rock, Silver, and Breakneck Creeks.

The most significant silver property in the district was the Blue Jacket mine and mill (plate 3) which produced at least from 1876 to 1885. The total historical value of silver and gold produced from the mine is estimated at $1.6 million (P. D. Sherer, 1989, personal communication).

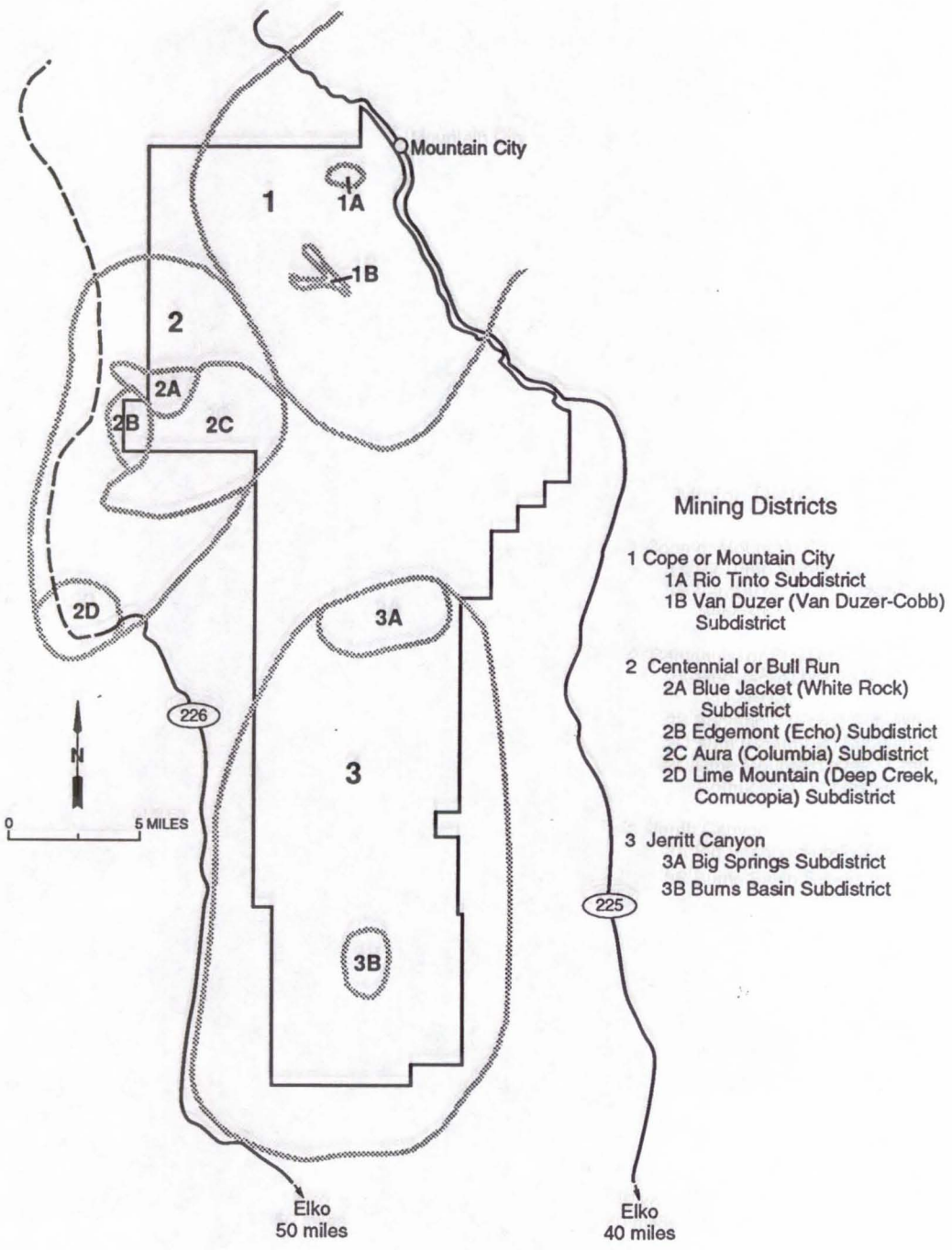

Figure 3. - Approximate location of mining districts and subdistricts in or near the Independence Range special study area.

Table 2.--**Recorded production from mines in or near the Independence Range special study area**[1/]
(N.R., not reported; W, withheld[2/])

	Years	Tons	Placer (yd^3)[3/]	Gold (oz)	Silver (oz)	Copper (lb)	Lead (lb)	Zinc (lb)
CENTENNIAL (BULL RUN) MINING DISTRICT								
Aura (Columbia) subdistrict	1870's-1989	774	Hundreds	223	10,754	404	1,578	86
Blue Jacket (White Rock) subdistrict[3/]	1876-1971	2,469		1,272	104,011	4,597	312,438	151,411
Edgemont (Echo Canyon) subdistrict	1902-1952	161,593		45,615	98,360	3,470	39,861	861
Lime Mountain (Cornucopia, Deep Creek) subdistrict	1918-1942	29,284		10,429	117,192	682,831	N.R.	28,319
District Totals		194,120		57,539	330,312	691,302	353,877	180,677
MOUNTAIN CITY (COPE) MINING DISTRICT								
Rio Tinto subdistrict	1931-1982	1,359,150		W	W	W	W	W
Van Duzer subdistrict	1905-1951		755,525[4/]	3,767	1,181			
Other mines	1906-1989	6,592		60,676	562,480	W	W	W
District Totals		1,365,742	755,525	64,395	563,749	212,715,197	134,282	50,374
JERRITT CANYON MINING DISTRICT[5/]								
Big Springs subdistrict	1987-1989	1,400,000		121,600	N.R.	N.R.	N.R.	N.R.
Jerritt Canyon project	1981-1989	10,930,365		2,181,312	N.R.	N.R.	N.R.	N.R.
District Totals		12,330,365		2,303,212				
SPECIAL STUDY AREA TOTALS		13,890,227	755,525	2,425,146	894,066	213,406,499	488,159	231,051

1/ This table was compiled from incomplete production data from many sources. Unqualified estimates were not included. Values are accepted as minimums. Grade cannot be computed by the comparison of tons mined with amounts recovered. See Appendix E for additional production data.

2/ Proprietary information withheld to avoid disclosing single source information.

3/ About 93 pounds of tungsten was produced from near the Burns mine.

4/ Cobb Creek produced at least 447 oz gold and 160 oz silver from 73,150 yd^3.

5/ The Jerritt Canyon mining district has also produced approximately 100,000 tons of barite, 10,000 tons of sulfur, and 80 tons of antimony.

The Centennial (Bull Run) mining district and the Blue Jacket and Aura subdistricts were organized in response to the Columbia and several other nearby silver discoveries. At least seven stamp mills were built, most at a major mine, to process the local ores. For example, the Bonanza Queen (Columbia Queen), Columbia-Infidel, and Big Four mines supported a mill built in 1875 near Columbia.

Granger and others (1957, p. 27-28) estimated early unrecorded production from these subdistricts at $5 million from 1869 to 1879 and a total of approximately $6 million through 1937 (4,293,056 oz silver and 67,265 oz gold). Field examinations and other sources suggest that production was $2-3 million in silver and lesser amounts in gold.

Gold discoveries, mainly in the Aura and Edgemont subdistricts, generally postdate the silver activity. The most active gold mining period was from 1890 to about 1915. During this time Emmons (1910) visited and reported on many of the mines in this region providing a detailed historic account of mining.

The most important mine in the district, the Lucky Girl, provided the basis for forming the little known Edgemont (Echo) subdistrict. Three large parallel quartz vein systems yielded more than 143,000 tons of ore containing more than 37,000 oz gold. Around 1900 the mine ranked as one of the most important in Nevada. From its peak production years around 1910, the mine had intermittent production to 1958, when it was acquired by ranching interests; it has since been idle.

The other major operation in this small subdistrict, the Bull Run mine, is 2 mi south of the Lucky Girl. Several thousand feet of workings on quartz veins yielded more than 7,500 oz gold, mostly before 1903 and in 1932 to 1942.

The success of early lode mines led to exploration for placer deposits. However, the Palo Alto Gulch placer (patented) in Breakneck Creek, several surveyed properties in Blue Jacket and Columbia Creeks, and a mainly promotional effort along Sheridan Creek in Bull Run Basin (Johnson, 1973, p. 13) produced dismal returns. The most important placer in the Centennial mining district was the Protection located in Maggie Gulch. It produced gold from drift mines excavated along the bedrock-gravel contact. Total recorded production from the Centennial (Bull Run) mining district was 31.93 oz gold and 16 oz silver.

The Burns mine was active at various times from the 1930's to the 1970's. It is within a large block of claims, the Alta Vista claim group, which has been held by assessment since 1936. This comparatively late discovery produced more than 73,000 lbs lead, 25,000 lbs zinc, and 8,000 oz silver from a large quartz vein. Also, a small amount of tungsten has been produced from nearby quartz veins on the Blue Grouse and Silver Wonder claims. Additionally, a small amount of antimony was produced in 1940 from the Blue Ribbon mine, located in the Silver Creek-Breakneck Creek area.

The Big Four mine is a notable exception to the other now inactive early silver discoveries. The mine was producing as early as 1908. Apparently idle from 1919 to the 1970's, it is currently (1989) mined on a small scale. Ore averages 15 oz silver and 0.03 oz gold per ton; recovery is by vat leach process at Tuscarora, NV (Phil Heater, mine owner, 1989, personal communication).

The Centennial (Bull Run) mining district, especially the Aura subdistrict, has experienced renewed mining activity since the late 1970's. Exploration and subsequent drilling from 1985 to 1988 defined three separate, closely spaced ore bodies containing 3.0 million tons of gold ore. This property, the Doby George, is located near Maggie Summit, which is between the Bull Run and Independence Mountain ranges. Other claims in this vicinity, held by mining companies or individuals, are being evaluated for similar zones amenable to open pit, heap leach gold mining operations.

The Lime Mountain (Deep Creek, Cornucopia) subdistrict was established because of activity at a single patented property located on Lime Mountain. From 1918 to 1942, the Lime Mountain mine produced almost 700,000 lbs copper, more than 100,000 oz silver, and 10,000 oz gold. This property has since been idle, but this vicinity is claimed and is actively explored for minerals, especially gold.

Mountain City (Cope) Mining District

About 1869, rich silver-bearing quartz veins were discovered in the vicinity of Mountain City, NV. The discovery led to the location of several mines east of the Owyhee River, but at least two important properties, Protection and Mountain City mines (Alberta claims), were located west of the river, in the study area. These mines provided the basis for forming the mining district in the Bull Run Mountains. By 1880, an estimated 17,000 tons of ore had yielded $93,500 and $1.1 million in gold and silver, respectively (Granger and others, 1957, p. 114). It is likely that stamp mills in the vicinity were constructed prior to those in the more remote areas of the Bull Run Mountains, in the Centennial mining district. Silver ores from White Rock Canyon were apparently packed by mules eastward over the mountain range to the mills in Mountain City, NV (P. D. Sherer, 1989, unpublished data).

By the 1890's, silver mining in this area had declined, as several of the shallow surface deposits were exhausted, but in 1893 placer gold was discovered in Van Duzer Creek and its tributary, Cobb Creek. The Van Duzer subdistrict was soon established. Various small scale hand methods were employed, including dams and raceways built to provide water pressure for hydraulic mining. A segment of Van Duzer Creek was patented as the Poorman Group. After 50 years of small scale, intermittent mining, a dredge operated by Morrison-Knudsen Co. in 1940-42 and a dragline operated by M.P.M. Company in 1948 processed almost 0.75 million yd^3 from the two narrow creek bottoms. Total recorded placer production from the Mountain City (Cope) mining district was 3,767.03 oz gold and 1,181 oz silver. The early production from 1893 to 1904 was not recorded, but that total amount

was probably no more than a few hundred ounces gold.

The most important discovery in the Mountain City district, a massive sulfide deposit at the Rio Tinto mine, was made from a 252 ft deep hand-dug shaft in a gossan outcrop. The claims were located in 1919 by S. F. Hunt, but the rich secondary chalcocite ore was not discovered until 1931 (Martin, 1938, p. 12). After five carloads of copper ore were shipped, the International Smelting and Refinery Co. of Utah purchased the property (Martin, 1938, p. 12) and formed the Mountain City Copper Company. During the next two years, thousands of feet of new shafts, levels, drifts, and raises were made to develop and mine the deposit. Square-set-stope mining was employed, with waste and low-grade material used for backfill.

Peak production years were from 1933 to 1947. Nineteen percent of the total was direct shipping ore that averaged 27.5% copper. The remaining ore, averaging 5.9% copper was beneficiated on site by flotation to a 20.3% copper concentrate. Both shipping ore and concentrate were trucked to rail heads at Mountain Home, ID about 110 mi north, or to Elko, NV. The ore was refined by the I. S. & R. Company in Salt Lake City, UT (Martin, 1938, p. 14). Almost 1.4 million tons of ore from 12 miles of underground workings yielded more than 200 million lbs copper, 200,000 oz silver, 3,000 oz gold, and less significant amounts of lead and zinc (see table 1). Detailed accounts are in Nolan (1933), Martin (1938), Coats and Stephens (1968), and Smith (1976). Intermittent underground mining and reprocessing parts of the tailings continued by various operators until 1982.

The discovery of the Rio Tinto mine was the catalyst for substantial exploration and development in the area, especially on the bordering Rio Grande and Idaho-Nevada properties. Substantial work, including more than a mile of underground workings, failed to discover additional ore. The Mountain Laurel mine, however, produced more than 10,000 oz silver in 1940 and 1941, and a short-lived attempt was made to establish the area around the mine as the Marseilles subdistrict.

Recent exploration activity in the district has centered on large low-grade gold deposits suitable for open pit, heap leach operations. The Wood Gulch deposit was discovered in 1983. Heap leach operations have been supplemented by processing millable ore in a mill completed on-site in November, 1989. Estimated production for 1989 is 24,000 oz gold; the known ore is expected to be depleted by 1991. Large claim blocks in this region are held by several mining companies, including Homestake Mining Company, and various other interests. Numerous areas, including the Doby George project, are currently (1989) being sampled and drilled.

Jerritt Canyon Mining District

The most recent and largest district, Jerritt Canyon, occupies the northern half of the Independence Mountains from the Jack Creek drainage south 21 miles to the Ross Reservoir area. Unlike many other Nevada mining districts, it has virtually no historical lode or placer mining activity. The earliest records are of 1918 discoveries by sheepherders of

antimony in Jerritt Canyon (Birds Eye, Lost and Found mines) and in Burns Basin. A small amount of antimony from the Burns Basin mine was produced in 1945. The discovery of the antimony mines established the Burns Basin subdistrict.

In 1971, exploration work by FMC geologists searching for additional antimony resources culminated in drilling seven holes, but results were discouraging (Birak, 1986, p. 488). However, company personnel recognized stratigraphic similarities to that associated with the Carlin gold deposits, and program emphasis was changed accordingly. Grid sampling for gold and associated trace elements (arsenic, antimony, and mercury) produced a classic geochemical "bullseye" target in the Roberts Mountain Formation in Jerritt Canyon. Drilling in 1973 discovered the Alchem deposit (Birak, 1986, p. 488). Exploration and drilling programs were expanded, and by late 1975 FMC geologists had developed reserves and resources at Alchem and were investigating nearby gold anomalies at North Generator Hill, Saval Canyon, California Mountain, and other targets (Bidart, Gracie, and Wright Window) (Jones, 1976, p. 3).

FMC Corp. entered a joint venture agreement in 1976 with Freeport-McMoRan, Inc. Under the agreement, Freeport Exploration Company manages exploration and pre-mine development. Freeport Gold Company manages drilling and operation of the mine and mill. Both of these companies are affiliates of Freeport-McMoRan, Inc. (Hawkins, 1982, p. 28).

In late 1976, Freeport geologists verified by drilling FMC's gold anomalies. Freeport reinterpreted previous and new data and conducted additional mapping and drilling. As a result, stratigraphic and structural complexities were resolved, and existing anomalies refined, and new target areas delineated (see plate 4).

By 1979 deposits containing 10 million tons of 0.22 oz/ton gold were drilled out. Consequently, the decision was made to construct a 3,000 tpd mill and heap leach facilities on the flank of the range, about 8 mi east of the deposits (Hawkins, 1982, p. 30). By the time the first bar of gold bullion was poured on July 4, 1981, about $93 million had been spent on the Jerritt Canyon project (Birak, 1986, p. 489). Milestone production records of one and two million oz gold were passed in late 1985 and mid-1989, respectively.

At the north end of the Jerritt Canyon mining district is the comparatively small Big Springs subdistrict. Exploration resulted in discovery of the Mac Ridge deposit in 1976. An expanded reconnaissance program and subsequent drilling of anomalies resulted in finding the North and South Sammy Creek deposits at the Big Springs mine in 1982 (Jim Collard, 1989, personal communication). Delineation of the disseminated gold ore bodies by drilling continued until 1986, when a reserve base supported the construction of a heap leach mill at the east flank of the range. A carbon-in-leach circuit was added in 1988 and a new technology fluid-bed roaster began treating refractory ore in May 1989. Big Springs is a joint venture owned by Freeport and Bull Run mines.

Several hundred square miles of land in the Jerritt Canyon mining district are owned or controlled by Freeport-McMoRan, Inc., and FMC Corp. Several other mining companies and individuals hold numerous claims in this district also. One of the most notable is the Birdseye gold anomaly (Independence project) located near the mouth of Schmitt Creek. Gold anomalies were drilled in 1989 by Westley Exploration, an affiliate of AMAX Gold Inc.

The recent emphasis on gold mining has overshadowed barite mining that was active during the oil drilling boom of the 1970's in the south and southwest portions of the mining district. Ten barite deposits produced at least 57,000 tons and possibly as much as 75,000 tons from the mid-1970's to 1982. The Snow Canyon and Fantastic mines were the largest, each producing about 20,000 tons. The Hunewill plant was located in Independence Valley and processed most of the barite rock. The plant has since been dismantled and moved.

COMMODITY HIGHLIGHTS

Ten commodities have been produced or identified as resources within the study area; market information for eight of these commodities with potential for development are summarized in Table 3. Development of sulfur and manganese resources is unlikely. The ten other elements analyzed in our samples are primarily used as geochemical indicators of mineralization but no economically significant concentrations were found. Since prices are dynamic, other commodities may become economic in the future.

Gold and silver prices have averaged about $400/oz and $7.60/oz respectively, since 1981 (U.S. Bureau of Mines, 1986 and 1991). Most gold and silver is produced from open pit mines. The Jerritt Canyon open pit mine was the seventh largest gold producer in the nation in 1989 (Randol Mining Directory, 1990, p. 43). Advancements in geologic knowledge have proven highly successful in discovering new precious metal deposits; the number of operating mines has tripled since 1985. Advancements in extractive technology have enabled mining companies to process lower and lower grade ores. Gold ore grades as low as 0.01 oz/ton are economic in certain situations. Small-scale mines need at least 0.20 to 0.25 oz/ton gold or about 15 oz/ton silver to operate.

Arsenic, antimony, and mercury are commonly associated with gold deposits. Amounts of these metals are generally very small, and not in sufficient concentrations to be considered economic. Price subsidies during the early 1940's provided an incentive to mine small antimony deposits in the western U.S., including the Independence Range. There are no domestic arsenic or antimony mines and only one mercury mine currently (1989) operating. Arsenic and antimony are obtained from 1) processing cheaper foreign ores, 2) recycling, and 3) recovering as by-products from smelting lead and silver-copper ores (U.S. Bureau of Mines, 1991, p. 15-17).

Copper has been in the 60¢/lb range (1970-1978; 1982-1986) and in an oversupply situation, but in recent years (1988-1990) inventories have

Table 3.--United States statistics for commodities in the Independence Range special study area
(from U.S. Bureau of Mines Mineral Commodity Summaries - 1991)

Commodity	Domestic Mine Production 1990[1]	Apparent Consumption 1990[1]	Units	Major Import Sources	Net Import Reliance, 1990[2] (percent)	Average Domestic Price (dollars)[4]	Price Unit	Major Uses
Gold	331	254	Short tons	Canada Switzerland United Kingdom	3/	380.00	Troy ounce	Jewelry and arts, industrial (mainly electronic), dental, and small bars (investment)
Silver	2,205	4,740	do..	Mexico Canada Peru Chile	3/	5.00	do..	Photography, electrical and electronic products, sterling, electroplated ware, jewelry, brazing alloys
Lead	546	1,344	Thousand short tons	Canada Australia Peru Chile	4	0.46	Pound	Batteries, gasoline additives, construction, electrical, TV glass, ceramics, ballasts, tubes, containers, type metal
Copper	1,709	2,425	do..	Canada Chile Mexico Peru	5	1.23	do..	Building construction, electrical and electronic products, industrial machinery and equipment, transportation
Zinc	584	1,102	do..	Canada Peru Mexico Honduras	37	0.75	do..	Construction materials, transportation, machinery, electrical

Table 3.--United States statistics for commodities in the Independence Range special study area--Continued

Commodity	Domestic Mine Production 1990[1]	Apparent Consumption 1990[1]	Units	Major Import Sources	Net Import Reliance, 1990[2] (percent)	Average Domestic Price (dollars)[4]	Price Unit	Major Uses
Barite	492	1,588	Thousand short tons	China India Mexico	69	38.00	Short ton	Weighing agent in oil- and gas-well-drilling fluids, paint, rubber, and barium chemicals and glass
Tungsten	Withheld	8,047	Short tons	China Bolivia Germany	73	43.00	mtu[5/]	Metalworking, mining and construction equipment, lamps and lighting, transportation
Antimony	22,046	45,525	do..	China Hong Kong Mexico	64	0.83	Pound	Flame retardants, transportation, chemicals, ceramics and glass

1/ Estimated data in short tons for gold, silver, tungsten, and antimony; thousands of short tons for lead, zinc, copper, and barite

2/ Defined as imports minus exports plus adjustments for government and industry stock changes

3/ The U.S. is a net importer of gold and silver; however, changes in unreported investor stocks preclude calculation of a meaningful net import reliance

4/ Estimated for 1990

5/ A metric ton unit (mtu) of tungsten trioxide (WO_3) contains 7.93 kilograms (17.48 pounds) of tungsten

dropped and the price doubled. Like gold, most domestic copper is mined from large open pits. In certain situations copper grades of 0.2 or 0.3% are economic. Copper deposits in the study area are small and low grade, except at the Rio Tinto mine and possibly Lime Mountain. At these two properties, remnant high grade, enveloped by lower grade copper-bearing rocks might, under favorable conditions, be mined by open pit-heap leach, in situ leach, underground, or some combination of methods.

Lead and zinc prices have historically (1870's to 1970's) been nearly equal in price, but recent (late 1980's) changes in the end uses have caused zinc to increase to around 80¢/lb. Small underground lead-zinc-silver mines in the north end of the study area have had prior production. Current small scale mining practices dictate that ore grades of about 8% zinc or about 14% lead are needed to operate at a profit. Typically, silver is associated with these base metals in veins, and where present increases the value of the ore. It should be noted that any combination of metal values must total from $100 to $150/ton for small scale underground operations to be economically viable. Large underground mines operate on about 6% combined lead-zinc. The only significant operating lead-zinc open pit mine is in Alaska.

Tungsten is rare in the Independence Range, and only the Alta Vista group has produced. Thin quartz veins underground contained about 0.7% WO_3. Since 1984, prices have ranged from about $40 to $80/metric ton unit (18.16 lbs WO_3), but in 1990 it has been around $43/metric ton unit, or $2.71/lb.

Barite production has increased to its highest level since 1985. Nevada produced 82% of U.S. barite in 1990. Although domestic barite production reversed its downward trend from the 1981 record high of 2.8 million tons, prices remained low because of the ready availability of cheaper foreign supplies (U.S. Bureau of Mines, 1991, p. 20-21). Under favorable economic conditions, barite mines in the southern part of the study area could be reactivated.

Tellurium, selenium, thallium, gallium, bismuth, and cadmium are not produced as primary metals from domestic mines. Single bismuth and gallium mines shut down in the 1980's. All of these metals are mainly obtained from foreign sources. Domestic sources are recovered as by-products from the smelting and refining of copper, lead, and/or zinc ores. Gallium resources are also found in bauxite (aluminum ores). Palladium and the platinum group metals are produced from four domestic mines. The only primary metal producer operates underground at a grade of 0.8 oz/ton or about $215/ton contained metals. Our samples from the study area indicate that concentrations of all of the above-mentioned metals are not significant enough to estimate resources. Molybdenum, a major metal abundant elsewhere in the U.S., is also scarce in the study area.

Graphite-bearing (carbonaceous) shales are common in Paleozoic rocks in the extreme southeast part of the study area. About 10% of amorphous carbon is needed at the current 2¢/lb price to economically justify open pit mining. No graphite resources were recognized in the study area, but

these horizons are also known to host disseminated gold deposits elsewhere.

Sulfur-bearing shale from the Gance Creek area (Black Beauty claims) has been mined for use as a soil conditioner. It was produced at a loss, and similar deposits are closer to the principal California markets.

MINES, PROSPECTS, AND MINERALIZED AREAS

The claims or claim blocks examined during 1989 summer fieldwork were grouped into 157 properties for this report (see plate 1). All are within Townships 38 to 46 North and Ranges 51 to 54 East. Some claims are outside the USFS boundary on adjacent BLM land. Detailed information for each property, such as sample descriptions, is on file at the USBM Western Field Operations Center, Spokane, WA. A synopsis of our results is presented in the following section and on plates 1-14.

MINERAL APPRAISAL

Areas of Known Resources

Known resources and reserves for mines and locations in the Independence Range study area are shown in table 4. The Mountain City mining district has four locations containing 7.7 million tons of copper-gold-silver resources and reserves and 4.0 million yds^3 of gold placer resources. The Centennial mining district has eight locations with 9.1 million tons of gold-silver-copper-lead-zinc resources. This district also has 20,000 yds^3 of gold placer resources and 6,600 tons of inferred resources of manganese.

The Jerritt Canyon mining district encompasses two major gold areas, Big Springs and Jerritt Canyon, as well as peripheral barite-rich areas. The Jerritt Canyon project includes 29 satellite deposits surrounding the main Marlboro Canyon-North West Generator Hill-Alchem deposit (see front page color photo). All total, 28 million tons of reserves and about 51 million tons of gold-silver resources, containing an estimated 7 million oz gold as well as by-product silver have been identified. Within the main gold zones are two antimony occurrences with a total of 51,000 tons of resources (Birdseye Antimony mine and Burns Basin Antimony mine). Two other nearby gold locations (Graphite claims and Independence project) contain 0.35 million tons of resources. Peripheral to the gold locations are seven barite locations containing about 0.2 million tons of resources. Big Springs has 13 million tons of gold-silver resources and reserves containing almost 1 million oz gold and unknown quantities of silver.

U.S. Bureau of Mines historical records indicate 15 mines in the Centennial mining district produced about 56,000 oz gold, 238,000 oz silver, 690,000 lb copper, 254,000 lb lead, and 93,000 lb zinc from 193,000 tons of ore. Three mines, the Blue Jacket, Lucky Girl, and Bull Run mines, produced significant amounts of metals for 10 to 30 years before records were kept. At least nine other mines in this area had some production, including small amounts of tungsten and antimony. One of the

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information Source[2/]	Comments
			Mountain City mining district		
26	Orvana project (Cobb Creek project)	3,200,000 tons; 0.045 oz/ton gold	Indicated resources	Western Minerals Activity Report, vol. 3, no. 8, p. 10 (August 1989)	Resources from the McCall Zones; 15 other exploration targets nearby
39	Wood Gulch	490,000 tons; 0.098 oz/ton gold and 0.36 oz/ton silver	Reserves	Western Minerals Activity Report vol. 3, no. 4, p. 6 (April 1989) and Randol Mining Directory (1990) and the Mining Record , v. 100, no. 6, p. 1 (Feb. 8, 1989)	--
			Rio Tinto subdistrict		
21	Rio Grande Copper	150,000 tons; 0.18% copper	Inferred resources	1989 USBM interpretation of 1940's USBM drill data	--
20	Rio Tinto mine[2/]	433,489 tons; 8.13% copper	Resources	Copper Cliffs (1970) unpublished data	West ore body Noranda (1975) unpublished data estimated 500,000 tons; 3 to 10% copper
		1,000,000 tons; 1 to 2% copper	do..	do..	East ore body
		2,141,000 tons; 1.66% copper	Reserves	do..	South ore body
		289,000 tons; 0.69% copper	do..	Copper Cliffs (1972) unpublished data	Dump. USBM interpretation (1989) estimated 417,000 tons; 0.40% copper
			Van Duzer subdistrict		
37	Poorman placer group (Van Duzer/Cobb Creek placers)	4,000,000 yd^3; 0.005 to 0.02 oz/yd^3 gold, and 0.0016 to 0.0064 oz/yd^3 silver	Inferred resources	1989 USBM interpretation	Stream gravels

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information[2/] Source	Comments
			Centennial mining district		
			Aura subdistrict		
74	Doby George project[2/]	3,500,000 tons; 0.18 oz/ton gold	Resources	Homestake (1986) unpublished data	USFS files (1989) Elko, NV estimated 3,000,000 tons; 0.1 to 0.2 oz/ton gold
47	Maggie Summit manganese prospect (Norma Jeane Nos. 1-34)	6,600 tons; manganese-rich material	Inferred resources	1949 USBM interpretation	--
			Edgemont subdistrict		
89	Lucky Girl group (Edgemont mine)	12,000 tons; 0.25 oz/ton gold, 0.50 oz/ton silver, 0.008% copper, 0.21% lead	Indicated resources	1989 USBM interpretation	--
		3,000,000 tons; low grade gold and silver mineralized quartz	Inferred resources	do..	Historical mining indicates areas of high grade. Includes indicated resources
			Blue Jacket subdistrict		
65	Blue Jacket mine	2,000,000 tons; 0.005 oz/ton gold, 2.2 oz/ton silver, 0.25% copper, 2.0% lead, 1.0% zinc	Inferred resource	1989 USBM interpretation	Includes two areas of demonstrated resources
		1,000 tons; $10/ton gold	do..	P. D. Sherer (1989) unpublished data	Upper dump
		4,000 tons; 0.01 oz/ton gold, 6.9 oz/ton silver, and 0.54% lead	do..	do..	Lower dump

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information Source[2/]	Comments
		Centennial mining district (Cont'd.)			
		Blue Jacket subdistrict (Cont'd.)			
65	Blue Jacket mine (cont'd.)	40,000 tons; 0.008 oz/ton gold, 2.2 oz/ton silver	Demonstrated resources	USBM interpretation of 1981 Western Geotechnical, Inc., unpublished data	Also contains unknown percent of lead and zinc. Higher grade areas defined within the 2 million ton resource
		20,000 tons; 0.005 oz/ton gold, 2.2 oz/ton silver	do..	do..	Also contains unknown percent of lead and zinc
59	Burns mine (Alta Vista claim group)	50,000 tons; silver, lead and zinc mineralized quartz	Inferred resources	1989 USBM interpretation of 1981 Western Geotechnical, Inc., unpublished data	Includes the two areas of 1,500 and 200 tons
		1,500 tons; 11 oz/ton silver, 0.02% lead, 0.004% zinc, 0.0001 oz/ton gold	do..	do..	Lead zinc, and gold values based on adjacent past production
		200 tons; 11 oz/ton silver, 0.02% lead, 0.004% zinc, 0.0001 oz/ton gold	do..	do..	do..
66	Esperanza (Jack Pot mine; Torbin Hill Nos. 1-10)	10,000 tons; $20/ton gold	Resources	P.D. Sherer (1989) unpublished data	Esperanza dump
		500 tons; 0.234 oz/ton gold	do..	do..	Part of Esperanza
69	Gold Bug Consolidated placer (on Blue Jacket Creek)	20,000-30,000 yd^3; 0.005 oz/yd^3 gold	Inferred resources	1989 USBM interpretation	Stream gravel
58	Nevada Zinc mine	15,000 tons; 3.0% zinc, 0.33 oz/ton silver, 0.07% lead	Indicated resources	1989 USBM interpretation	--

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information Source[2/]	Comments
			Centennial mining district (Cont'd.)		
			Blue Jacket subdistrict (Cont'd.)		
60	Pioneer claim group	2,650 tons; 16.8 oz/ton silver	Inferred resources	do..	--
			Lime Mountain subdistrict		
104	*Lime Mountain mine	500,000 tons; gold, silver, and copper mineralized rock	Inferred resources	1989 USBM interpretation of 1944 USBM data	Includes higher grade areas of 1,000 and 14,000 tons
		1,000 tons; 0.42 oz/ton gold, 1.36 oz/ton silver, 1.61% copper	Resources	1944 USBM data	Direct shipping ore left in pillars. Lead and zinc values not reported
		14,000 tons; gold, silver, copper mineralized rock	do..	do..	Lower grade millable ore adjacent to pillars, and stoped areas
			Jerritt Canyon mining district		
136	*AA Claims (North Sun property)	1,000 to 10,000 tons; 4.06 specific gravity barite	do..	Imco Services (1979) unpublished data	--
136	*B.D. claims (W.P. claims)	793 tons; 4.03 specific gravity barite	Indicated resources	do..	--
		1,500 tons; 4.03 specific gravity barite	Inferred resources	do..	--
136	*Big Jay nos. 0-7	20,952 tons; 3.32 to 3.91 specific gravity barite	Indicated resources	do..	Chromalloy American Corp. (1979) report had same resources, but 4.1 specific gravity
136	Birdseye Antimony prospect (Black Point claim)	35,677 tons; 3.32 to 3.91 specific gravity barite	Inferred resources	do..	do..
		50,000 tons; 5 to 10% antimony	do..	1989 USBM interpretation of 1946 USBM data	--

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information[2/] Source	Comments
		Jerritt Canyon mining district (Cont'd.)			
136	Black Beauty Nos. 1-12	5,400 tons; sulfur-bearing shale	Resources	USFS (1984), Elko, NV	Past production indicates use as a soil conditioner
151	*Blue Smoke claims	9,228 tons; 4.01 specific gravity barite	do..	do..	--
136	Burns Basin Antimony mine	700 tons; 10-20% antimony	Resources	1945 USBM data	--
152	*Fantastic mine (Taylor Canyon barite)	83,612 tons; 4.0 specific gravity barite	do..	do..	--
		20,000 tons; 4.0 specific gravity barite	Indicated resources	1989 USBM data	Stockpiles
136	Graphite claims	250,000 tons; 0.016 oz/ton gold	Inferred resources	Westley Explorations, Inc. (1988), unpublished data	--
136	*Independence project (Birdseye claim group)	100,000 tons; 0.05 to 0.06 oz/ton gold	---	Westley Explorations, Inc. (1987), unpublished data	--

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information Source[2/]	Comments
		Jerritt Canyon mining district (Cont'd.)			
136	Jerritt Canyon[3/4/] mine				
	Marlboro Canyon	557,700 tons; 0.136 oz/ton gold		Freeport-McMoRan Gold Company[4/] (Jan. 1988) annual report	Millable ore
	Marlboro Canyon	169,200 tons; 0.035 oz/ton gold	do..	do..	Leachable ore
	North Generator Hill	5,656,700 tons; 0.156 oz/ton gold	do..	do..	Millable ore
	North Generator Hill	1,772,700 tons; 0.036 oz/ton gold	do..	do..	Leachable ore
	West Generator Hill	4,114,600 tons; 0.148 oz/ton gold	do..	do..	Millable ore
	West Generator Hill	549,900 tons; 0.036 oz/ton gold	do..	do..	Leachable ore
	Alchem	1,818,900 tons; 0.128 oz/ton gold	do..	do..	Millable ore
	Alchem	384,500 tons; 0.036 oz/ton gold	do..	do..	Leachable ore
136	Mill Creek	1,480,000 tons; 0.146 oz/ton gold	Reserves	Freeport-McMoRan Gold Company (Jan. 1988) annual report	Millable ore
		330,000 tons; 0.041 oz/ton gold	do..	do..	Leachable ore

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information[2/] Source	Comments
			Jerritt Canyon mining district (Cont'd.)		
136	Mill Creek stockpiles	880,000 tons; 0.116 oz/ton gold	Reserves	Freeport-McMoRan Gold Company (Jan. 1988) annual report	Millable ore
		2,291,200 tons; 0.053 oz/ton gold	do..	do..	Leachable ore
136	Saval Canyon	1,399,700 tons; 0.149 oz/ton gold	do..	do..	Millable ore
		507,600 tons; 0.038 oz/ton gold	do..	do..	Leachable ore
136	Other Jerritt Canyon satellite deposits[5/]	8,370,000 tons; 0.12 oz/ton gold	do..	Freeport-McMoran-Minorco acquisition prospectus (Feb. 1990)	--
136	Starvation Canyon	1,000,000 tons; 0.153 oz/ton gold	Demonstrated resources	Freeport-McMoRan Gold Company, (Jan. 1988) annual report	--
136	Waterpipe Canyon	250,000 tons; 0.035 oz/ton gold	do..	do..	--
136	Other Jerritt Canyon satellite deposits[5/]	47,950,000 tons; 0.070 oz/ton gold	Resources	Freeport-McMoran-Minorco acquisition prospectus (Feb. 1990)	--
136	*Questionable claims (W.T. claims)	900 tons; 4.23 to 4.34 specific gravity barite	Reserves	Dresser Industries (1980) unpublished data	Stockpiled rock
136	Snow Canyon barite mine	23,277 tons; 4.19 specific gravity barite	Resources	Klinge (1977) unpublished data	--

Table 4.--Reserves and resources from lode and placer deposits in and near the Independence Range special study area--Continued
(*, outside the study area)

Property No. (Pl. 1)	Property	Tons and Grade	Classification[1/]	Information Source[2/]	Comments
		Jerritt Canyon mining district (Cont'd.)			
		Big Springs subdistrict			
109	Big Springs North and South Sammy Creek; 401 pit; Mac Ridge	2,290,752 tons; 0.136 oz/ton gold	Reserves	Freeport-McMoRan-Minorco acquisition prospectus (1990)	40% owned by Bull Run mines; balance owned by Freeport sold to Minorco in March 1990
109	Big Springs North and South Sammy Creek; 401 pit; Mac Ridge	10,625,000 tons; 0.064 oz/ton gold	Resources	Freeport-McMoRan-Minorco acquisition prospectus (1990)	40% owned by Bull Run mines; balance owned by Freeport sold to Minorco in March 1990

1/ For more detailed information on classifications, refer to Appendix C.

2/ Data on file at the U.S. Bureau of Mines, Western Field Operations Center in Spokane, Washington.

3/ For Jerritt Canyon, not all of the data for its various deposits is available for any given year. The data represents a rapidly changing resource base where tonnage and grade figures are quickly outdated.

4/ Freeport-McMoRan Inc., was purchased in March 1990 by Minorco, a privately held South African and European gold-and-diamond consortium. The total reserve/resource amount for all of the deposits within the Jerritt Canyon project is 28,023,798 tons at 0.12 oz/ton gold and 51,285,714 tons at 0.070 oz/ton gold, respectively. The total contained oz of gold is 6,952,857 (Freeport-McMoRan-Minorco, acquisition prospectus, February 1990). Silver values are not reported.

5/ The 29 satellite deposits include: East Alchem, Wright Window, Bidart, California Mountain, Gracie, Steer Canyon, East Mill Creek, North Burns Basin, Burns Basin, Mahala, Happy Camp, Road Canyon, Smith Creek, Pie Creek, Lost, Sheep Creek, Charlies Hill, Tommy Jose, Wheeler Mountain, Waterpipe Canyon, Warm Creek, Gance Creek, Winters Creek, Starvation Canyon, Waterpipe Canyon II, Alchem, Saval Canyon, Mill Creek, and West Mill Creek. Pattani Springs is not included as a satellite deposit as it was mined out in 1989. It contained 269,200 tons at 0.109 oz/ton gold millable ore and 19,200 tons at 0.039 oz/ton gold leachable ore. The New Deep deposit was outlined by drilling in early 1990; it is known to contain 271,000 oz gold, grade unpublished as of March, 1990. Incomplete geologic data precludes further breakdown of individual resources for each location.

oldest mines, the Big Four, is currently producing silver. Production comes from quartz veins and shear zones related to granitic intrusives.

Bureau of Mines historical records indicate four old mines in the Mountain City mining district produced about 4,900 oz gold, 350,000 oz silver, 213 million lb copper, 134,000 lb lead, and 50,000 lb zinc from 1.3 million tons of ore. Most of this came from the only massive sulfide deposit in the study area, the Rio Tinto mine. The other early producers were developed on quartz veins and shear zones.

Essentially all of the placer production came from Van Duzer and Cobb Creeks; less than 1% came from the Centennial district. About 0.75 million yds^3 of gravel yielded about 3,800 oz gold and 1,200 oz silver. An unknown amount was produced from 1893 to around 1900, before records were kept.

Historical sites in the Centennial and Mountain City mining districts that are likely to host mining in the future include: the Lucky Girl, Blue Jacket, Bull Run, Lime Mountain, and Rio Tinto properties. Ground proximal to these areas is being or has been explored for low-grade disseminated gold deposits. To date, two disseminated deposits have been discovered: PAN Orvana's McCall Zone and Homestake's Doby George project. Resource and reserve delineation activities were underway in 1989.

Two mines in the Jerritt Canyon district have produced gold and silver since the 1980's: Big Springs and the Jerritt Canyon project. The latter has processed since 1981 about 11 million tons of ore, yielding 2.2 million oz gold as well as by-product silver. Known geologic resources and reserves as of February 1990 exceed 79 million tons, containing almost 7 million oz gold and an unknown quantity of silver. The Jerritt Canyon project has 29 satellite deposits in various stages of mining or exploration. To date, delineation of resources and reserves has outpaced annual mining rates; the mill capacity is expected to almost double to 7,000 tpd in 1990 (Freeport-McMoRan annual report, p. 8).

Big Springs has yielded about 123,000 oz gold as well as by-product silver since 1987. As of February 1990, total known resources and reserves are about 13 million tons containing almost 1 million oz gold and unknown quantities of silver.

Barite was produced from at least 9 properties (see Appendix E, table E-1) in the late 1970's peripheral to the Jerritt Canyon project. Field observations indicate that these bedded deposits may have been partly remobilized by fluid movement related to the nearby disseminated gold deposits. About 75,000 tons of 4.0 specific gravity barite was produced. Approximately 0.2 million tons of barite resources remain.

The earliest known producer in this district was the Burns Antimony mine. It yielded 80 tons of antimony ore in 1945 (Appendix E, table E-1). A few thousand tons of antimony and manganese remain in several widely spaced locations.

Areas Having Exploration and Development Interest

Almost 1,800 USBM samples were collected, mostly from claimed areas, and mostly peripheral to sites of current mining activity. Significant portions of the study area remain unsampled. Selected gold data from over 6,500 mining company samples supplemented and helped define anomalous gold areas. Statistical computer programs determined anomalous values for gold, silver, arsenic, antimony, mercury, copper, lead, zinc, and barite for each of the 17 different rock assemblages sampled. These values were used to derive the element anomaly maps found in plates 4-14. These maps outline target areas where future minerals exploration is most likely. Anomalies of gold and its commonly associated elements have been composited (plate 5) to show their close spatial correlations. Comparison of the element anomaly maps with plates 1 and 3, showing the locations of known mining activity, depicts where near future mining activity should be anticipated.

Mineralized, favorable areas of low-grade disseminated gold deposits have several important geologic features that are common to those deposits. Those features include, but are not limited to: 1) structurally prepared ground, subjected to multiple events of close-spaced fracturing and micro fracturing; 2) chemically favorable rocks, especially calcareous shale or limestone with or without carbonaceous material; 3) northeast or northwest striking, steeply dipping shear zones; 4) the Roberts Mountain or Golconda thrust fault zones; 5) exposed areas or "windows" of lower plate rocks in the Roberts Mountain or Golconda thrust plates; 6) favorable host formations, including the Roberts Mountain, Hanson Creek (especially the "Hanson 3" member as locally interpreted by Freeport geologists), and the Schoonover Formations; 7) jasperoid silicification; 8) the presence of iron oxides or sulfides; and 9) the presence of arsenic or antimony minerals. The above criteria was used in conjunction with other data to define anomalous gold-silver areas.

More detailed mapping, projection of structural features, and interpretation of assay data having very sensitive detection limits may well extend the known limits of mineralized rocks in the Independence Range. Such studies are useful in areas covered by thick, barren rocks or colluvium-alluvium. On a regional basis, it may be no coincidence that many deposits are located in topographically low parts of the ranges. The utilization of the above-mentioned factors has led to the successful discovery of the disseminated low-grade gold deposits in other parts of Nevada. As a result, the number of mines and reserves in Nevada has tripled in the last 5 years (1985 to 1990).

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APPENDIX A.--Sample Analyses

CONTENTS

Table A-1.--Results of placer and lode sample analyses.
(<, less than; NA, not analyzed; ---, none detected)

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
A nos. 1-30	730	WF-11500	W1155316	N413740	grab	tvol	0.323	2.14	0.002	6.69	<0.1	1.240	12.40	1.430	<0.5	45.20	<0.25	0.990	1.570	<1	<0.5	<0.005	937	<4
A nos. 1-30	731	WF-11501	W1155312	N413749	grab	tvol	0.980	1.69	0.003	5.33	<0.1	5.520	8.54	0.365	<0.5	47.40	<0.25	<0.1	1.670	<1	<0.5	<0.005	1027	<4
A nos. 1-30	732	WF-11502	W1155253	N413743	grab	tvol	0.093	1.20	0.001	4.66	<0.1	0.847	8.96	<0.25	<0.5	34.10	<0.25	0.127	1.340	<1	<0.5	<0.005	1012	<4
A nos. 1-30	733	WF-11503	W1155245	N413802	grab	tvol	0.147	1.33	0.001	4.54	<0.1	7.080	16.50	0.454	<0.5	47.50	<0.25	0.121	1.660	<1	<0.5	<0.005	989	<4
A nos. 1-30	734	WF-11504	W1155225	N413755	grab	tvol	0.259	1.83	0.002	7.99	<0.1	1.010	10.60	1.370	<0.5	55.80	<0.25	0.177	2.110	<1	<0.5	<0.005	2379	<4
AA claims (Jerritt Cyn)	1140	WF-11989	W1155902	N411729	grab	dov1	0.125	11.00	0.048	9.34	<0.1	8.590	5.75	2.290	<0.5	31.50	<0.25	0.254	0.468	<1	<0.5	<0.005	21355	<4
AA claims (Jerritt Cyn)	1143	WF-11992	W1155906	N411739	grab	dov1	0.100	3.77	0.001	7.76	<0.1	1.090	4.09	1.710	<0.5	49.40	<0.25	0.620	<0.5	<1	<0.5	<0.005	1855	<4
AA claims (Jerritt Cyn)	1144	WF-11993	W1155857	N411718	grab	dov1	0.980	25.00	0.028	11.40	0.209	6.860	5.35	13.400	<0.5	40.30	<0.25	0.323	<0.5	<1	<0.5	<0.005	8386	<4
AA claims (Jerritt Cyn)	1145	WF-11994	W1155857	N411718	grab	soh1	0.051	11.50	0.049	4.94	<0.1	0.634	1.64	5.280	<0.5	14.30	<0.25	0.280	<0.5	<1	<0.5	<0.005	9108	<4
AA claims (Jerritt Cyn)	1146	WF-11995	W1155900	N411725	grab	dov1	0.637	3.77	0.014	6.23	0.439	2.730	5.68	1.800	<0.5	9.11	<0.25	<0.1	0.947	2.75	<0.5	<0.005	11122	<4
AA claims (Jerritt Cyn)	1147	WF-11996	W1155859	N411725	grab	dov1	0.823	34.40	0.006	89.80	<0.1	7.530	12.20	5.950	<0.5	176.00	<0.25	0.380	<0.5	3.45	<0.5	<0.005	155119	<4
AA claims (Jerritt Cyn)	1164	WF-12013	W1155859	N411725	chip	dov1	0.928	8.27	0.005	20.60	<0.1	2.940	4.35	3.080	<0.5	57.60	<0.25	1.030	<0.5	2.99	<0.5	<0.005	363302	<4
AA claims (Jerritt Cyn)	1165	WF-12014	W1155903	N411726	select	dov1	0.698	4.24	0.003	11.80	0.120	3.210	3.01	0.972	<0.5	11.50	<0.25	0.158	<0.5	2.03	<0.5	<0.005	480862	<4
AA claims (Jerritt Cyn)	1166	WF-12015	W1155901	N411723	grab	dov1	0.809	31.20	0.001	91.50	<0.1	7.100	4.54	4.030	<0.5	149.00	<0.25	1.470	0.477	4.86	<0.5	<0.005	358686	<4
AA claims (Jerritt Cyn)	1171	WF-12029	W1155633	N411710	grab	dov1	0.233	4.94	0.002	24.70	<0.1	15.800	2.31	1.160	<0.5	50.60	<0.25	0.274	<0.5	2.37	<0.5	<0.005	1663	<4
ACBM claims	1620	WF-12503	W1155048	N413612	grab	qal2	0.124	5.71	0.001	15.80	0.317	10.800	4.13	6.530	<0.5	20.40	<0.25	<0.1	0.830	<1	<0.5	<0.005	1931	NA
ACNC claims	842	WF-11554	W1160031	N413206	grab	pms2	0.358	255.00	0.272	8.71	5.180	4.160	8.40	140.000	2.840	16.70	<0.25	0.315	0.823	<1	<0.5	<0.005	548	<4
ACNC claims	843	WF-11555	W1160033	N413205	grab	pms2	0.189	87.30	0.097	6.12	2.020	1.700	4.30	206.000	<0.5	8.54	<0.25	<0.1	0.555	<1	<0.5	<0.005	484	<4
ACNC claims	844	WF-11616	W1160042	N413112	grab	dov1	0.082	18.90	0.009	5.01	0.318	0.781	2.97	5.030	0.686	10.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	232	<4
ACNC claims	1384	WF-12248	W1155947	N413032	grab	dov1	0.041	16.90	0.002	2.75	1.460	10.000	0.97	28.400	<0.5	2.38	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
ACNC claims	1385	WF-12249	W1155950	N413038	grab	dov1	0.302	240.00	0.012	15.80	2.230	11.100	2.87	74.900	6.680	27.90	2.940	0.282	5.330	<1	0.544	<0.005	562	NA
ACNC claims	1386	WF-12250	W1155951	N413052	grab	dov1	0.060	282.00	0.021	51.40	2.160	9.160	4.66	49.800	<0.5	18.00	<0.25	0.220	1.290	1.76	<0.5	<0.005	436	NA
ACNC claims	1387	WF-12251	W1155952	N413112	grab	dov1	0.050	60.10	0.001	3.51	5.580	12.400	0.81	11.900	<0.5	1.18	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
ACNC claims	1388	WF-12252	W1160004	N413121	grab	dov1	0.110	70.20	0.002	9.25	5.750	13.800	10.00	644.000	<0.5	6.55	<0.25	0.155	<0.5	<1	<0.5	<0.005	1525	NA
ACNC claims	1394	WF-12258	W1160011	N412926	grab	dov1	0.314	131.00	<0.001	13.60	0.421	14.600	5.70	3.380	0.694	178.00	<0.25	1.790	<0.5	1.30	<0.5	<0.005	2296	NA
ACNC claims	1715	WF-12576	W1160048	N412916	grab	dov1	0.075	138.00	0.005	29.50	2.960	10.500	5.68	29.600	<0.5	53.60	<0.25	0.143	0.754	1.23	<0.5	<0.005	927	NA
ACNC claims	1716	WF-12577	W1160048	N412916	grab	dov1	0.068	24.00	0.001	6.03	0.818	8.510	2.56	4.720	0.711	15.90	0.271	<0.1	<0.5	<1	<0.5	<0.005	2430	NA
ACNC claims	1717	WF-12578	W1160055	N412926	grab	dov1	0.052	153.00	0.002	53.20	0.535	18.300	9.13	5.700	<0.5	3.81	0.463	<0.1	1.050	8.01	<0.5	<0.005	1043	NA
ACNC claims	1718	WF-12579	W1160057	N412932	grab	dov1	0.287	845.00	0.007	30.70	0.670	35.000	3.17	76.200	<0.5	37.80	0.413	0.895	<0.5	2.85	<0.5	<0.005	315	NA
ACNC claims	1719	WF-12580	W1160058	N412944	grab	dov1	0.120	2080.00	0.005	30.60	3.510	18.900	4.79	81.200	<0.5	8.54	<0.25	0.256	1.100	5.51	<0.5	<0.005	1906	NA
ACNC claims	1720	WF-12581	W1160106	N412951	grab	dov1	0.172	884.00	0.026	35.80	3.040	10.600	8.66	74.100	<0.5	94.40	<0.25	3.630	<0.5	<1	<0.5	<0.005	244	NA
ACNC claims	1721	WF-12582	W1160118	N413051	grab	dov1	0.023	133.00	0.004	14.60	0.599	14.100	1.65	13.900	<0.5	46.20	<0.25	0.275	<0.5	<1	<0.5	<0.005	199	NA
Alberta claim group	384	WF-10921	W1155818	N414911	grab	mcs3	0.582	1392.00	0.092	197.00	<0.1	2.470	12.00	12.600	<0.5	53.20	0.906	0.665	3.540	1.94	<0.5	<0.005	724	24
Alberta claim group	385	WF-10922	W1155814	N414920	chip	ppr3	248.000	47.50	1.620	91.00	<0.1	1.070	272.00	14.000	<0.5	394.00	1.600	16.600	<0.5	<1	<0.5	<0.005	101	<4
Alberta claim group	386	WF-10923	W1155814	N414920	chip	ppr3	145.000	45.70	0.650	74.00	<0.1	10.100	178.00	21.500	<0.5	174.00	1.480	10.000	<0.5	<1	0.576	<0.005	86	4
Alberta claim group	387	WF-10924	W1155816	N414920	grab	ppr3	159.000	100.00	0.659	56.90	0.122	1.620	579.00	47.600	<0.5	228.00	72.700	7.670	<0.5	3.01	1.360	<0.005	81	4
Alberta claim group	388	WF-10925	W1155807	N414918	grab	mcs3	242.000	19.50	1.990	79.30	<0.1	<0.1	330.00	178.000	<0.5	79.60	<0.25	7.150	<0.5	<1	<0.5	<0.005	96	<4
Alberta claim group	389	WF-10926	W1155805	N414918	grab	mcs3	11.200	6.38	0.009	16.40	<0.1	0.886	4.88	1.890	0.475	42.70	<0.25	0.438	1.330	<1	<0.5	<0.005	1018	<4
Alberta claim group	390	WF-10927	W1155818	N414923	grab	mcs3	1.970	3.18	0.005	8.94	<0.1	10.300	7.16	0.858	<0.5	32.30	1.800	0.140	<0.5	<1	<0.5	<0.005	59	<4
Alberta claim group	391	WF-10928	W1155824	N414927	grab	mcs3	6.550	14.40	0.251	25.80	<0.1	1.950	84.70	<0.25	<0.5	201.00	<0.25	3.100	<0.5	<1	<0.5	<0.005	59	<4
Alberta claim group	392	WF-10929	W1155824	N414927	grab	mcs3	3.860	4.86	0.003	28.80	<0.1	1.940	4.88	1.880	<0.5	88.30	<0.25	0.914	2.050	2.47	<0.5	<0.005	2391	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Alberta claim group	393	WF-10930	W1155826	N414929	select	mcs3	3897.000	152.00	3.900	2811.00	3.770	390.000	2397.00	367.000	<0.5	2185.00	17.800	51.400	<0.5	<1	<0.5	<0.005	205	4
Alberta claim group	475	WF-11020	W1155813	N414941	grab	kjd3	0.590	8.14	0.007	4.02	<0.1	0.945	6.34	0.375	<0.5	5.63	<0.25	<0.1	<0.5	<1	<0.5	<0.005	64	<4
Alberta claim group	476	WF-11021	W1155813	N414941	grab	kjd3	5.610	34.50	0.059	9.70	<0.1	9.470	27.50	0.470	<0.5	37.90	<0.25	0.672	0.556	<1	<0.5	<0.005	1218	16
Alta mine (BR claims)	306	WF-10843	W1160340	N414510	grab	pvd3	0.376	753.00	0.029	30.70	0.105	1.740	36.40	8.500	<0.5	529.00	<0.25	6.270	5.790	<1	0.507	<0.005	810	<4
Alta mine (BR claims)	307	WF-10844	W1160340	N414510	select	pvd3	7.950	487.00	0.276	16.90	<0.1	1.250	994.00	9.240	<0.5	409.00	<0.25	5.360	<0.5	<1	<0.5	<0.005	195	<4
Alta nos.1-12	1621	WF-12504	W1155246	N413602	grab	qal2	0.072	6.49	<0.001	9.33	0.138	21.100	3.98	6.790	<0.5	18.70	<0.25	<0.1	1.160	<1	<0.5	<0.005	2089	NA
Alta Vista claim group	3	WF-9501	W1160845	N414154	grab	oaf3	4.320	84.90	0.052	81.00	0.527	14.300	563.00	15.600	<0.5	872.00	0.596	12.900	1.830	<1	0.763	<0.005	2661	4
Alta Vista claim group	4	WF-9502	W1160843	N414151	grab	oaf3	0.591	161.00	0.006	6.56	0.547	0.435	40.00	15.600	<0.5	26.20	<0.25	0.472	<0.5	<1	<0.5	<0.005	25	<4
Alta Vista claim group	5	WF-9503	W1160843	N414151	grab	oaf3	68.500	14.40	0.017	<0.05	2.770	1.560	9842.00	65.700	<0.5	12600.00	<0.25	274.000	<0.5	<1	8.050	<0.005	49	<4
Alta Vista claim group	6	WF-9504	W1160848	N414148	grab	oaf3	2.470	11.50	0.020	4.62	0.128	0.322	305.00	47.200	<0.5	114.00	<0.25	2.930	<0.5	<1	<0.5	<0.005	46	<4
Alta Vista claim group	7	WF-9505	W1160851	N414142	grab	oaf3	0.149	8.92	0.001	0.84	0.165	<0.1	22.20	1.870	<0.5	57.50	<0.25	0.681	<0.5	<1	<0.5	<0.005	83	<4
Alta Vista claim group	8	WF-9506	W1160859	N414138	grab	ccm3	0.184	5.81	<0.001	1.02	<0.1	0.129	54.50	1.260	<0.5	26.30	<0.25	0.697	<0.5	<1	<0.5	<0.005	65	<4
Alta Vista claim group	9	WF-9507	W1160904	N414132	grab	ccm3	0.130	4.15	0.001	1.53	0.143	0.379	13.20	0.826	<0.5	13.30	<0.25	0.201	<0.5	<1	<0.5	<0.005	67	<4
Alta Vista claim group	10	WF-9508	W1160918	N414134	grab	ccm3	0.364	21.70	0.013	1.74	0.276	0.112	9.45	4.040	<0.5	26.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	50	<4
Alta Vista claim group	11	WF-9509	W1160912	N414126	grab	ccm3	8.060	3577.00	0.092	89.40	23.100	14.500	54.80	599.000	23.400	100.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	39	<4
Alta Vista claim group	51	WF-9549	W1160901	N414152	select	oaf3	6.230	463.00	1.700	129.00	0.253	14.300	1328.00	35.600	<0.5	537.00	<0.25	20.500	0.587	1.65	0.715	<0.005	5863	<4
Alta Vista claim group	52	WF-9550	W1160840	N414159	select	oaf3	12.800	101.00	0.062	5.80	0.403	1.230	1119.00	14.200	<0.5	630.00	1.090	24.100	<0.5	<1	3.980	<0.005	171	4
Alta Vista claim group	53	WF-9551	W1160849	N414200	select	oaf3	2.010	236.00	0.038	7.51	1.000	1.370	70.50	802.000	<0.5	107.00	<0.25	2.460	<0.5	<1	<0.5	<0.005	1123	16
Alta Vista claim group	54	WF-9552	W1160849	N414200	chip	oaf3	1.170	28.40	0.003	2.61	0.377	1.540	157.00	112.000	<0.5	71.80	<0.25	1.850	<0.5	<1	<0.5	<0.005	296	<4
Alta Vista claim group	55	WF-9553	W1160849	N414200	chip	oaf3	2.280	86.60	0.009	5.26	0.650	0.809	82.70	38.900	<0.5	129.00	<0.25	5.900	1.140	<1	0.724	<0.005	667	8
Alta Vista claim group	56	WF-9554	W1160849	N414200	chip	oaf3	18.300	125.00	0.032	3.51	1.080	<0.1	1066.00	12.200	<0.5	127.00	<0.25	3.030	<0.5	<1	<0.5	<0.005	150	<4
Alta Vista claim group	57	WF-9555	W1160850	N414200	chip	oaf3	32.000	127.00	0.163	8.94	0.136	1.240	2108.00	23.200	<0.5	151.00	<0.600	3.440	<0.5	<1	22.000	<0.005	216	4
Alta Vista claim group	58	WF-9556	W1160837	N414211	select	oaf3	472.000	1009.00	0.134	3198.00	2.920	1.820	18700.00	7353.000	<0.5	2998.00	7.760	199.000	<0.5	<1	32.200	<0.005	1255	<4
Alta Vista claim group	59	WF-9557	W1160837	N414211	grab	oaf3	0.533	67.90	0.002	17.00	0.125	0.589	67.50	9.150	<0.5	91.70	<0.25	0.672	6.000	<1	<0.5	<0.005	364	4
Alta Vista claim group	60	WF-9558	W1160825	N414216	grab	oaf3	7.210	22.30	0.018	20.30	<0.1	0.520	220.00	48.700	<0.5	26.40	<0.25	1.230	<0.5	<1	1.100	<0.005	<25	<4
Alta Vista claim group	61	WF-9559	W1160817	N414218	select	oaf3	692.000	2156.00	0.004	11200.00	7.960	3.580	34000.00	10000.000	<0.5	2282.00	4.300	275.000	<0.5	12.00	90.800	<0.005	1480	<4
Alta Vista claim group	62	WF-9560	W1160817	N414211	grab	oaf3	25.800	193.00	0.036	251.00	<0.1	<0.1	1427.00	613.000	<0.5	113.00	<0.25	18.900	<0.5	<1	4.680	<0.005	132	<4
Alta Vista claim group	687	WF-11144	W1160848	N414108	grab	ccm3	645.000	253.00	0.151	1484.00	4.590	3.460	29000.00	1109.000	<0.5	10600.00	<0.25	132.000	<0.5	24.40	7.550	<0.005	501	<4
Alta Vista claim group	688	WF-11145	W1160848	N414108	grab	ccm3	1.280	6.72	0.001	3.57	<0.1	2.940	35.40	5.410	<0.5	23.50	<0.25	0.256	<0.5	<1	<0.5	<0.005	215	<4
Alta Vista claim group	689	WF-11146	W1160850	N414109	select	ccm3	1.340	18.30	0.010	3.90	<0.1	<0.1	35.40	3.660	<0.5	21.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	33	<4
Alta Vista claim group	690	WF-11460	W1160852	N414109	select	ccm3	1551.000	291.00	0.237	1931.00	6.270	4.460	29300.00	3107.000	<0.5	16000.00	<0.25	167.000	<0.5	<1	<0.5	<0.005	540	<4
Alta Vista claim group	691	WF-11461	W1160852	N414107	select	ccm3	457.000	119.00	0.088	831.00	3.140	12.500	25100.00	569.000	<0.5	16000.00	<0.25	100.000	<0.5	22.00	8.560	<0.005	523	<4
Alta Vista claim group	692	WF-11462	W1160852	N414106	chip	ccm3	103.000	119.00	0.004	10.60	2.370	2.890	15100.00	481.000	<0.5	10500.00	<0.25	244.000	<0.5	<1	<0.5	<0.005	202	<4
Alta Vista claim group	693	WF-11463	W1160852	N414106	chip	ccm3	186.000	143.00	<0.001	17.90	4.400	9.040	15600.00	626.000	<0.5	15200.00	<0.25	107.000	<0.5	<1	<0.5	<0.005	1163	<4
Alta Vista claim group	694	WF-11464	W1160852	N414106	grab	ccm3	13.500	26.50	0.004	9.63	0.793	0.513	897.00	53.700	<0.5	1179.00	<0.25	15.200	<0.5	1.20	0.553	<0.005	65	<4
Alta Vista claim group	695	WF-11465	W1160850	N414120	select	ccm3	295.000	80.40	0.024	10.70	2.490	22.900	41400.00	329.000	<0.5	3205.00	31.200	37.000	<0.5	<1	<0.5	<0.005	78	24
Alta Vista claim group	696	WF-11466	W1160850	N414120	grab	ccm3	124.000	72.00	0.173	130.00	1.050	1.970	8683.00	165.000	<0.5	6664.00	2.570	99.600	<0.5	<1	5.380	<0.005	30	40
Alta Vista claim group	697	WF-11467	W1160850	N414117	select	ccm3	512.000	154.00	0.028	51.90	9.460	16.800	68900.00	393.000	<0.5	9931.00	<0.25	80.900	<0.5	<1	5.180	<0.005	111	<4
Alta Vista claim group	698	WF-11468	W1160852	N414117	chip	ccm3	303.000	94.50	0.083	40.60	14.100	17.300	21900.00	128.000	<0.5	9334.00	2.360	144.000	<0.5	13.30	6.600	<0.005	<25	<4
Alta Vista claim group	699	WF-11469	W1160852	N414117	chip	ccm3	878.000	18.40	0.029	12.60	4.810	13.600	94340.00	775.000	<0.5	3617.00	24.600	93.600	<0.5	<1	6.720	<0.005	55	8
Alta Vista claim group	700	WF-11470	W1160852	N414117	select	ccm3	1132.000	193.00	0.064	12.10	18.800	28.800	94340.00	1017.000	<0.5	11900.00	60.900	137.000	<0.5	<1	9.490	<0.005	111	140
Alta Vista claim group	801	WF-11572	W1160853	N414118	chip	ccm3	31.500	11.10	0.091	4.21	<0.1	10.200	223.00	<0.25	<0.5	1411.00	<0.25	15.800	<0.5	<1	<0.5	<0.005	256	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Alta Vista claim group	802	WF-11573	W1160854	N414119	chip	ccm3	3.380	11.80	0.056	4.50	<0.1	1.920	234.00	5.210	<0.5	20.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	77	<4
Alta Vista claim group	803	WF-11574	W1160847	N414115	select	ccm3	1146.000	313.00	0.223	11.70	4.560	23.000	99010.00	2788.000	<0.5	6560.00	11.000	163.000	<0.5	157.00	12.800	<0.005	503	<4
Alta Vista claim group	804	WF-11575	W1160847	N414115	chip	ccm3	61.600	126.00	0.081	3.02	<0.1	7.400	17100.00	355.000	<0.5	14100.00	<0.25	280.000	<0.5	<1	<0.5	<0.005	224	<4
Alta Vista claim group	805	WF-11576	W1160847	N414114	chip	ccm3	115.000	19.90	0.092	8.77	<0.1	11.900	16000.00	75.100	<0.5	1502.00	<0.25	7.500	<0.5	11.00	<0.5	<0.005	28	<4
Alta Vista claim group	806	WF-11577	W1160845	N414108	grab	ccm3	5.380	78.20	<0.001	10.50	0.315	0.712	121.00	20.000	0.702	135.00	<0.25	3.220	<0.5	<1	<0.5	<0.005	210	<4
Alta Vista claim group	807	WF-11578	W1160843	N414109	chip	ccm3	177.000	84.90	0.042	825.00	5.670	7.520	4054.00	451.000	<0.5	6713.00	<0.25	21.200	<0.5	1.06	<0.5	<0.005	330	<4
Alta Vista claim group	808	WF-11579	W1160843	N414109	chip	ccm3	48.300	131.00	0.110	363.00	1.830	7.830	2032.00	100.000	<0.5	3314.00	<0.25	53.200	<0.5	<1	<0.5	<0.005	777	<4
Alta Vista claim group	809	WF-11580	W1160843	N414109	chip	ccm3	464.000	185.00	0.101	1488.00	17.400	9.820	20300.00	775.000	<0.5	40600.00	<0.25	79.400	<0.5	<1	<0.5	<0.005	347	<4
Alta Vista claim group	810	WF-11581	W1160843	N414109	grab	ccm3	24.300	35.10	0.006	41.10	1.230	0.653	256.00	21.800	<0.5	119.00	<0.25	1.110	<0.5	<1	<0.5	<0.005	120	<4
Alta Vista claim group	811	WF-11582	W1160842	N414109	chip	ccm3	7.680	13.20	0.001	12.50	0.243	8.000	508.00	20.800	<0.5	83.20	<0.25	1.160	<0.5	1.28	<0.5	<0.005	183	<4
Alta Vista claim group	812	WF-11583	W1160842	N414109	chip	ccm3	9.450	29.60	0.014	16.50	0.962	10.200	274.00	36.100	<0.5	254.00	<0.25	1.280	<0.5	<1	<0.5	<0.005	367	<4
AM claim group (Blue Bird)	127	WF-9625	W1160544	N414025	chip	cpm3	0.314	9.44	<0.001	12.80	<0.1	0.482	15.00	2.110	<0.5	173.00	<0.25	0.484	<0.5	<1	<0.5	<0.005	369	<4
AM claim group (Blue Bird)	128	WF-9626	W1160544	N414025	grab	cpm3	0.109	14.00	<0.001	10.50	<0.1	0.612	17.40	3.650	<0.5	68.30	<0.25	<0.1	0.607	<1	<0.5	<0.005	1111	<4
AM claim group (Blue Bird)	129	WF-9627	W1160544	N414025	grab	cpm3	0.197	15.50	0.004	13.60	<0.1	0.588	24.90	4.150	<0.5	81.70	<0.25	0.980	0.621	<1	<0.5	<0.005	1146	<4
AM claim group (Blue Bird)	130	WF-9628	W1160541	N414027	grab	cpm3	0.076	43.60	0.003	9.40	<0.1	0.626	15.50	9.510	<0.5	9.74	<0.25	<0.1	<0.5	<1	<0.5	<0.005	108	<4
AM claim group (Blue Bird)	131	WF-9629	W1160541	N414025	grab	cpm3	0.213	74.70	0.006	16.20	<0.1	1.100	20.20	27.000	<0.5	37.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	114	<4
AM claim group	132	WF-9630	W1160551	N414030	grab	cpm3	0.048	3.35	0.003	7.90	0.211	1.640	3.13	0.980	<0.5	3.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	513	<4
AM claim group	143	WF-9640	W1160552	N414158	grab	oaf3	71.500	67.20	1.140	89.10	<0.1	1.580	8156.00	34.200	<0.5	148.00	<0.25	1.210	<0.5	1.05	0.924	<0.005	79	<4
AM claim group	144	WF-9641	W1160542	N414157	chip	oaf3	4.190	20.60	0.019	11.50	<0.1	0.471	287.00	6.970	<0.5	39.40	<0.25	0.569	<0.5	<1	<0.5	<0.005	9	<4
AM claim group	145	WF-9642	W1160543	N414157	select	oaf3	995.000	4586.00	0.221	5715.00	<0.1	6.990	25900.00	5384.000	<0.5	194.00	48.000	27.000	<0.5	<1	<0.5	<0.005	901	<4
AM claim group	184	WF-9675	W1160535	N414018	grab	ccm3	321.000	63.40	0.168	80.70	1.120	2.500	628.00	114.000	<0.5	129.00	<0.25	2.710	<0.5	10.30	<0.5	<0.005	104	<4
AM claim group	194	WF-9685	W1160551	N414100	grab	ccm3	5.980	19.10	21.700	5.16	0.244	1.530	84.30	1.680	<0.5	31.30	<0.25	0.497	<0.5	<1	<0.5	<0.005	97	<4
AM claim group	195	WF-9686	W1160555	N414105	grab	ccm3	0.868	14.20	1.400	4.53	<0.1	8.340	154.00	1.170	<0.5	127.00	<0.25	12.100	<0.5	<1	<0.5	<0.005	35	<4
AM claim group	202	WF-9693	W1160551	N414103	select	ccm3	16.400	24.00	0.007	4.38	<0.1	5.840	6043.00	50.100	<0.5	1040.00	2.810	20.100	<0.5	<1	<0.5	<0.005	255	<4
AM claim group	203	WF-9694	W1160549	N414102	grab	ccm3	37.600	107.00	0.078	40.40	<0.1	25.200	12000.00	42.700	<0.5	3654.00	<0.25	83.600	<0.5	<1	<0.5	<0.005	421	4
AM claim group	591	WF-11089	W1160637	N414238	grab	oaf3	6.110	46.70	0.001	65.80	<0.1	3.790	10.90	156.000	<0.5	65.50	0.506	0.961	1.800	<1	<0.5	<0.005	412	4
AM claim group	592	WF-11090	W1160637	N414238	grab	oaf3	0.312	2.51	<0.001	119.00	<0.1	0.506	19.00	15.600	<0.5	20.40	<0.25	0.126	1.640	<1	<0.5	<0.005	35436	<4
AM claim group	765	WF-11520	W1160631	N414417	chip	pvd3	1.970	12.30	0.006	25.00	0.725	2.490	28.90	7.070	<0.5	48.90	3.770	0.960	<0.5	<1	<0.5	<0.005	179	<4
AM claim group	766	WF-11521	W1160631	N414417	grab	pvd3	21.900	33.90	0.010	178.00	1.580	32.200	1159.00	16.200	<0.5	452.00	1.090	14.500	<0.5	1.89	<0.5	<0.005	587	<4
AM claim group	1317	WF-12192	W1160554	N414345	grab	pvd3	3.050	32.30	0.005	19.10	<0.1	2.550	176.00	11.000	<0.5	233.00	<0.25	5.000	<0.5	<1	<0.5	<0.005	175	NA
AM claim group	1318	WF-12193	W1160615	N414336	grab	pmi3	1.660	12.30	0.004	26.20	<0.1	12.600	26.70	10.000	<0.5	9.66	<0.25	0.114	<0.5	<1	<0.5	<0.005	168	NA
AM claim group	1401	WF-12265	W1160619	N414332	grab	pmi3	0.587	200.00	0.001	68.40	<0.1	3.640	4.19	5.130	<0.5	56.90	<0.25	0.449	1.200	2.06	<0.5	<0.005	1390	NA
AM claim group	1402	WF-12266	W1160632	N414327	grab	pmi3	0.511	169.00	<0.001	25.70	0.245	4.020	1.96	11.200	<0.5	54.30	<0.25	0.347	<0.5	<1	<0.5	<0.005	1517	NA
AM claim group	1403	WF-12267	W1160634	N414327	grab	pmi3	0.972	147.00	0.047	98.60	0.403	7.600	26.20	21.900	<0.5	44.90	<0.25	0.284	<0.5	1.29	<0.5	<0.005	396	NA
AM claim group	1404	WF-12268	W1160655	N414339	grab	pvd3	0.657	10.40	<0.001	19.10	<0.1	5.400	158.00	3.550	<0.5	45.60	<0.25	1.350	<0.5	<1	<0.5	<0.005	107	NA
AM claim group	1405	WF-12269	W1160656	N414315	grab	pmi3	0.039	16.40	<0.001	105.00	<0.1	1.640	7.91	1.290	<0.5	75.60	<0.25	0.109	13.900	<1	<0.5	<0.005	<25	NA
AM claim group	1406	WF-12270	W1160659	N414313	grab	pmi3	0.040	15.80	<0.001	11.20	<0.1	7.290	7.01	1.540	<0.5	10.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
AM claim group	1407	WF-12271	W1160703	N414307	grab	pmi3	0.082	181.00	0.007	31.70	<0.1	1.500	16.20	5.070	<0.5	92.20	<0.25	0.203	2.700	<1	<0.5	<0.005	740	NA
AM claim group	1408	WF-12272	W1160700	N414311	grab	pmi3	0.097	69.00	0.003	5.63	<0.1	1.650	7.87	1.370	<0.5	37.00	<0.25	0.185	<0.5	<1	<0.5	<0.005	1075	NA
AM claim group	1538	WF-12427	W1160620	N414149	grab	oaf3	2.190	623.00	0.011	29.70	6.730	10.800	202.00	210.000	1.410	771.00	<0.25	1.370	<0.5	<1	0.684	<0.005	361	NA
AM claim group	1539	WF-12428	W1160615	N414243	grab	pmi3	0.201	8.30	0.006	10.70	<0.1	0.935	22.00	2.340	<0.5	26.30	<0.25	0.187	1.300	<1	<0.5	<0.005	77	NA
AM claim group	1540	WF-12429	W1160603	N414251	grab	pmi3	0.175	16.10	0.006	5.44	<0.1	2.300	16.10	0.852	<0.5	13.40	<0.25	0.203	0.865	<1	<0.5	<0.005	<25	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
AM claim group (Blue Bird)	1541	WF-12430	W1160540	N414217	grab	oaf3	0.154	5.36	0.006	4.43	<0.1	0.683	5.63	0.652	<0.5	15.90	<0.25	0.324	<0.5	<1	<0.5	<0.005	<25	NA
AM claim group (Blue Bird)	1542	WF-12431	W1160540	N414146	grab	oaf3	0.089	36.60	0.004	11.50	<0.1	1.620	22.40	0.491	<0.5	62.70	<0.25	0.108	10.400	<1	<0.5	<0.005	574	NA
AM claim group (Blue Bird)	1543	WF-12432	W1160537	N414120	grab	oaf3	0.072	4.11	0.001	5.96	<0.1	0.645	3.92	0.574	<0.5	32.70	<0.25	0.639	<0.5	<1	<0.5	<0.005	<25	NA
AM claim group	1544	WF-12433	W1160543	N414113	grab	ccm3	0.045	4.39	0.001	15.90	<0.1	0.868	13.90	1.020	<0.5	59.00	<0.25	<0.1	8.030	<1	<0.5	<0.005	475	NA
AM claim group	1568	WF-12395	W1160552	N414158	chip	oaf3	0.717	408.00	0.067	5.45	<0.1	2.550	11.90	3.840	<0.5	50.20	<0.25	1.080	<0.5	<1	<0.5	<0.005	751	NA
AM claim group	1569	WF-12396	W1160552	N414158	chip	oaf3	7.410	668.00	0.197	13.40	0.100	7.720	431.00	16.500	<0.5	649.00	<0.25	15.900	<0.5	<1	1.130	<0.005	68	NA
AM claim group	1570	WF-12397	W1160552	N414158	select	oaf3	118.000	25.20	4.790	420.00	1.500	11.500	2536.00	38.700	<0.5	1458.00	<0.25	11.100	<0.5	<1	1.240	<0.005	<25	NA
AM claim group	1571	WF-12398	W1160546	N414025	chip	cpm3	0.348	12.10	0.004	5.47	<0.1	7.450	14.00	1.320	<0.5	22.90	<0.25	0.149	<0.5	<1	<0.5	<0.005	243	NA
AM claim group	1572	WF-12399	W1160546	N414025	chip	cpm3	0.208	23.40	0.001	8.00	<0.1	2.960	13.60	2.660	<0.5	60.10	0.275	0.100	<0.5	<1	<0.5	<0.005	846	NA
AM claim group	1573	WF-12400	W1160546	N414025	chip	cpm3	0.212	15.80	<0.001	26.10	<0.1	9.190	75.60	1.600	0.563	32.70	0.450	<0.1	<0.5	<1	<0.5	<0.005	401	NA
Andover no.1 (surveyed)	480	WF-11025	W1155844	N414832	grab	dov3	0.827	27.80	0.121	154.00	<0.1	15.200	22.20	11.800	<0.5	785.00	7.940	6.200	<0.5	<1	1.170	<0.005	203	<4
Arana claims (Jerritt Cyn)	913	WF-11686	W1160121	N412448	grab	dov1	1.180	85.10	0.014	55.10	1.140	18.400	5.50	4.500	<0.5	97.60	<0.25	2.920	1.130	8.04	<0.5	<0.005	18880	<4
Arana claims (Jerritt Cyn)	914	WF-11687	W1160121	N412448	grab	dov1	0.537	8.15	0.012	15.60	0.109	21.900	5.27	1.360	<0.5	9.90	<0.25	0.093	0.813	1.62	<0.5	<0.005	2818	<4
Arana claims (Jerritt Cyn)	915	WF-11688	W1160121	N412448	grab	dov1	0.078	3.68	0.002	11.80	<0.1	6.780	1.27	0.490	<0.5	8.39	<0.25	0.114	0.616	<1	<0.5	<0.005	419595	<4
Arana claims (Jerritt Cyn)	916	WF-11689	W1160121	N412448	select	dov1	0.038	<1	<0.001	5.18	<0.1	10.400	3.96	0.565	<0.5	7.80	<0.25	<0.1	0.618	<1	<0.5	<0.005	3593	<4
Arana claims (Jerritt Cyn)	917	WF-11690	W1160117	N412434	grab	dov1	<0.015	2.43	<0.001	4.07	<0.1	11.200	2.35	0.463	<0.5	11.90	<0.25	<0.1	0.686	<1	<0.5	<0.005	977	<4
Arana claims (Jerritt Cyn)	918	WF-11691	W1160108	N412450	grab	dov1	0.040	1.26	<0.001	3.34	<0.1	7.660	6.19	0.574	<0.5	4.13	<0.25	0.097	0.612	<1	<0.5	<0.005	435	<4
Arana claims (Jerritt Cyn)	920	WF-11678	W1160140	N412439	select	dov1	0.059	2.83	0.002	9.29	<0.1	1.560	1.06	0.488	<0.5	15.70	<0.25	0.592	0.488	<1	<0.5	<0.005	528394	<4
Arana claims (Jerritt Cyn)	921	WF-11679	W1160140	N412439	grab	dov1	0.713	6.16	0.004	20.00	<0.1	16.400	4.15	1.080	<0.5	19.00	<0.25	0.281	0.687	1.80	<0.5	<0.005	87295	<4
Arana claims (Jerritt Cyn)	925	WF-11793	W1160152	N412421	grab	dov1	0.080	3.23	0.001	13.30	<0.1	19.700	7.12	0.944	<0.5	7.43	<0.25	<0.1	<0.5	<1	<0.5	<0.005	772	<4
Arrowhead (placer)	1001	WF-11680	W1160704	N413721	grab	tvol	0.021	7.32	0.001	22.50	<0.1	4.090	6.99	0.622	<0.5	60.20	<0.25	0.119	6.500	<1	<0.5	NA	NA	<4
Arrowhead (placer)	1497	4/	W1160718	N413712	pan	4/	NA	NA	-----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aura King mine	185	WF-9676	W1160600	N414059	select	cpm3	329.000	161.00	0.221	426.00	2.280	1.700	1290.00	209.000	<0.5	483.00	<0.25	10.200	<0.5	3.07	<0.5	<0.005	31	<4
Aura King mine	186	WF-9677	W1160603	N414105	select	ccm3	175.000	70.00	0.462	81.10	2.880	464.000	57600.00	151.000	<0.5	21200.00	7.770	416.000	<0.5	12.10	7.190	<0.005	6847	16
Aura King mine	187	WF-9678	W1160603	N414105	chip	ccm3	3.830	84.00	0.147	5.92	<0.1	48.800	534.00	3.370	<0.5	785.00	<0.25	13.200	<0.5	<1	<0.5	<0.005	1	240
Aura King mine	188	WF-9679	W1160603	N414105	chip	ccm3	0.084	10.20	0.001	9.55	<0.1	1.010	59.60	2.400	<0.5	28.20	<0.25	0.259	<0.5	<1	<0.5	<0.005	30	<4
Aura King mine	189	WF-9680	W1160603	N414105	chip	ccm3	51.400	116.00	3.720	78.90	0.218	1.680	4993.00	34.400	<0.5	176.00	<0.25	1.670	<0.5	<1	0.598	<0.005	42	<4
Aura King mine	190	WF-9681	W1160603	N414105	chip	ccm3	30.400	357.00	6.380	20.10	<0.1	16.300	8704.00	20.800	<0.5	396.00	2.500	19.300	<0.5	<1	<0.5	<0.005	18	120
Aura King mine	191	WF-9682	W1160603	N414105	chip	ccm3	3.010	14.60	0.025	5.03	<0.1	12.700	781.00	3.760	<0.5	164.00	<0.25	1.790	<0.5	<1	<0.5	<0.005	<25	<4
Aura King mine	192	WF-9683	W1160603	N414105	chip	ccm3	8.810	54.40	0.082	45.60	<0.1	18.000	2780.00	12.600	<0.5	894.00	<0.25	32.100	<0.5	<1	<0.5	<0.005	9	<4
Aura King mine	193	WF-9684	W1160603	N414105	chip	ccm3	8.610	16.10	0.026	8.48	<0.1	28.400	2663.00	11.400	<0.5	1097.00	<0.25	27.400	<0.5	<1	<0.5	<0.005	18	1600
Aura Queen mine	173	WF-9664	W1160525	N414101	grab	ccm3	3.730	290.00	0.229	35.30	0.137	0.623	46.50	1.580	<0.5	75.30	<0.25	0.637	1.730	<1	<0.5	<0.005	2175	<4
Aura Queen mine	174	WF-9665	W1160525	N414101	grab	ccm3	3.690	276.00	0.203	34.40	0.100	0.579	45.90	1.520	<0.5	75.20	<0.25	0.632	1.950	<1	<0.5	<0.005	501	<4
Aura Queen mine	175	WF-9666	W1160525	N414101	grab	ccm3	0.683	36.30	0.033	11.40	<0.1	0.411	6.76	0.517	<0.5	31.90	<0.25	0.466	0.885	<1	<0.5	<0.005	1902	<4
Aura Queen mine	176	WF-9667	W1160525	N414101	grab	ccm3	0.483	14.90	0.009	62.70	<0.1	0.259	10.30	0.882	<0.5	33.90	<0.25	0.133	4.170	<1	<0.5	<0.005	764	<4
B and K claim groups	513	WF-11057	W1155758	N414901	grab	dov3	0.166	35.60	0.003	46.30	<0.1	0.681	16.90	1.510	<0.5	45.30	<0.25	0.834	7.250	<1	<0.5	<0.005	547	4
B and K claim groups	1484	WF-12404	W1155822	N414803	grab	dov3	0.048	<1	0.003	2.34	<0.1	14.400	2.26	0.618	<0.5	4.19	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
B and K claim groups	1485	WF-12405	W1155943	N414812	grab	dov3	0.243	7.46	0.005	36.20	<0.1	7.980	2.95	11.000	<0.5	182.00	<0.25	0.264	<0.5	<1	<0.5	<0.005	100	NA
B and K claim groups	1486	WF-12406	W1155917	N414807	grab	dov3	0.095	<1	0.004	2.39	<0.1	14.500	3.80	6.570	<0.5	2.77	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
B and K claim groups	1487	WF-12407	W1155911	N414802	grab	dov3	0.159	<1	0.004	4.36	<0.1	5.680	3.41	3.400	<0.5	2.97	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
B and K claim groups	1488	WF-12408	W1155826	N414748	grab	dov3	0.081	2.25	0.003	7.08	<0.1	14.100	1.01	0.470	<0.5	4.26	<0.25	<0.1	<0.5	<1	<0.5	<0.005	25	NA
BR claim group	308	WF-10845	W1160353	N414518	grab	pvd3	0.045	118.00	0.009	31.50	<0.1	1.720	8.44	15.700	<0.5	32.40	<0.25	0.131	<0.5	<1	<0.5	<0.005	408	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
BR claim group	309	WF-10846	W1160337	N414532	grab	pvd3	0.105	48.50	0.008	29.50	<0.1	2.870	2.23	3.350	<0.5	61.00	<0.25	0.128	2.040	<1	<0.5	<0.005	732	<4
BR claim group	310	WF-10847	W1160337	N414532	grab	pvd3	0.154	100.00	0.031	25.10	0.178	4.260	3.32	2.620	<0.5	38.20	<0.25	0.701	1.440	<1	<0.5	<0.005	550	<4
BR claim group	311	WF-10848	W1160346	N414542	grab	pvd3	0.044	4.50	0.001	3.45	<0.1	3.340	3.00	0.427	<0.5	10.70	<0.25	0.221	<0.5	<1	<0.5	<0.005	163	<4
BR claim group	312	WF-10849	W1160348	N414542	grab	pvd3	0.461	103.00	0.026	15.20	<0.1	1.390	11.90	2.630	<0.5	113.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	2337	<4
BR claim group	313	WF-10850	W1160404	N414550	grab	pvd3	0.317	20.10	0.001	22.50	0.163	2.250	7.41	4.560	<0.5	48.90	<0.25	0.125	<0.5	<1	<0.5	<0.005	868	<4
BR claim group	314	WF-10851	W1160409	N414550	grab	dov3	0.189	137.00	0.007	43.70	<0.1	2.150	3.82	4.240	<0.5	76.80	<0.25	0.389	0.797	<1	<0.5	<0.005	1034	<4
BR claim group	315	WF-10852	W1160408	N414551	grab	dov3	0.421	125.00	0.042	83.60	0.148	2.580	40.80	5.330	<0.5	131.00	<0.25	0.635	1.810	<1	<0.5	<0.005	1471	<4
BR claim group	316	WF-10853	W1160424	N414534	grab	dov3	0.272	161.00	0.001	56.80	<0.1	5.440	5.95	8.000	<0.5	114.00	<0.25	0.801	1.380	0.99	<0.5	<0.005	309	<4
BR claim group	659	WF-11124	W1160336	N414534	chip	pvd3	1.130	7.69	0.004	19.00	0.673	2.580	35.40	19.100	1.170	61.30	<0.25	0.920	<0.5	<1	<0.5	<0.005	1205	<4
BR claim group	660	WF-11125	W1160336	N414534	chip	pvd3	0.524	19.90	0.008	29.30	0.818	3.540	19.80	13.800	0.914	56.80	<0.25	0.239	0.461	<1	<0.5	<0.005	2129	<4
BR claim group	661	WF-11455	W1160336	N414534	grab	pvd3	0.175	20.00	0.006	15.70	0.555	1.790	4.69	4.970	<0.5	16.90	<0.25	0.148	<0.5	<1	<0.5	<0.005	336	<4
BR claim group	662	WF-11456	W1160336	N414534	chip	pvd3	0.292	36.20	0.012	41.00	1.220	1.740	11.10	13.200	<0.5	31.30	<0.25	0.220	<0.5	0.99	<0.5	<0.005	1751	<4
BR claim group	663	WF-11457	W1160336	N414534	grab	pvd3	0.267	25.20	0.004	9.61	1.500	1.210	10.60	3.260	<0.5	15.80	<0.25	0.206	<0.5	<1	<0.5	<0.005	379	<4
BR claim group	1768 4/		W1160407	N414543	petro	dov3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR claim group	1769	WF-12629	W1160407	N414543	grab	dov3	0.074	74.70	0.009	17.60	<0.1	2.890	1.84	5.510	<0.5	81.10	<0.25	0.188	0.890	<1	<0.5	<0.005	1479	NA
BR claims	888	WF-11656	W1160700	N413419	grab	tvol	0.151	18.70	0.001	17.40	0.174	1.040	11.30	0.870	<0.5	130.00	0.401	0.394	8.250	<1	<0.5	<0.005	1213	<4
BR claims	889	WF-11657	W1160642	N413414	grab	tvol	0.093	45.60	<0.001	9.35	0.243	1.450	9.62	0.919	<0.5	66.90	0.293	0.161	6.820	<1	<0.5	<0.005	1610	<4
BR claims	890	WF-11658	W1160530	N413447	grab	pms2	0.286	51.30	0.001	11.50	1.060	17.700	6.76	5.240	0.902	35.40	0.292	0.158	1.690	<1	<0.5	<0.005	808	<4
BR claims	1492	WF-12412	W1160727	N413521	grab	tvol	0.027	8.30	0.002	14.80	<0.1	3.150	8.26	0.525	<0.5	42.70	<0.25	0.132	2.560	<1	<0.5	<0.005	847	NA
BR claims	1493	WF-12413	W1160748	N413502	grab	tvol	0.047	20.40	0.003	12.30	<0.1	2.290	11.20	0.591	<0.5	67.30	<0.25	0.219	4.940	<1	<0.5	<0.005	1092	NA
BR claims	1494	WF-12414	W1160806	N413432	grab	tvol	0.031	12.70	0.003	13.10	<0.1	1.650	11.10	0.466	<0.5	90.50	<0.25	0.154	5.000	<1	<0.5	<0.005	1882	NA
BR claims	1495	WF-12415	W1160607	N413432	grab	tvol	0.126	27.30	0.004	10.60	0.331	10.000	2.12	1.650	<0.5	11.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1198	NA
BR claims	1604	WF-12465	W1160717	N413446	grab	tvol	0.126	11.40	0.001	34.70	<0.1	4.750	7.75	0.687	<0.5	80.60	<0.25	0.280	3.420	<1	<0.5	<0.005	1052	NA
BR claims	1605	WF-12466	W1160727	N413439	grab	tvol	0.032	3.29	<0.001	15.10	<0.1	1.120	9.31	0.370	<0.5	121.00	<0.25	0.197	7.360	<1	<0.5	<0.005	1520	NA
BR claims	1606	WF-12467	W1160732	N413425	grab	tvol	0.067	16.00	<0.001	10.20	<0.1	2.430	10.00	0.666	<0.5	76.00	<0.25	0.221	6.590	<1	<0.5	<0.005	1180	NA
BR claims	1607	WF-12468	W1160740	N413421	grab	tvol	0.059	11.70	<0.001	10.50	<0.1	2.380	9.90	0.826	<0.5	68.30	<0.25	0.153	7.380	<1	<0.5	<0.005	1288	NA
Badger claims	1736	WF-12597	W1155844	N413937	grab	pms2	0.142	5.41	0.004	20.00	<0.1	8.840	5.99	0.934	<0.5	61.30	<0.25	0.155	0.543	<1	<0.5	<0.005	1211	NA
Badger claims	1737	WF-12598	W1155836	N413950	grab	pms2	0.152	13.90	0.002	14.10	0.233	5.270	5.20	4.180	<0.5	6.95	<0.25	<0.1	1.010	<1	<0.5	<0.005	916	NA
Badger claims	1738	WF-12599	W1155820	N414002	grab	tvol	0.613	32.90	0.001	4.19	<0.1	10.400	9.76	9.660	<0.5	6.32	<0.25	<0.1	1.580	<1	<0.5	<0.005	796	NA
Badger claims	1739	WF-12600	W1155908	N414002	grab	tvol	0.057	<1	<0.001	4.18	<0.1	3.430	4.82	<0.25	<0.5	73.00	<0.25	0.104	2.610	<1	<0.5	<0.005	2366	NA
Badger claims	1743	WF-12604	W1155726	N413947	grab	pms2	0.511	113.00	0.012	52.70	1.490	11.900	3.86	24.200	<0.5	6.99	<0.25	<0.1	1.840	2.08	<0.5	<0.005	1565	NA
Badger claims	1744	WF-12605	W1155725	N413939	grab	pms2	0.160	33.60	0.003	97.90	2.120	4.350	4.79	23.200	<0.5	5.02	<0.25	<0.1	1.660	<1	<0.5	<0.005	4885	NA
Big Bob group (patented)	2	WF-9500	W1161015	N414046	grab	cpm3	46.000	37.70	16.700	1765.00	1.720	4.370	23400.00	98.000	<0.5	4776.00	<0.25	201.000	<0.5	<1	7.920	<0.005	25	720
Big Bob group (patented)	67	WF-9565	W1161006	N414105	grab	cpm3	10.300	12.60	4.690	322.00	0.558	1.670	3356.00	7.940	<0.5	662.00	1.620	18.500	<0.5	<1	1.070	<0.005	62	16
Big Bob group (patented)	68	WF-9566	W1161006	N414105	grab	cpm3	1.960	9.73	0.862	39.60	<0.1	0.932	285.00	11.000	<0.5	88.80	<0.25	0.881	<0.5	<1	<0.5	<0.005	63	24
Big Bob group (patented)	69	WF-9567	W1161006	N414059	grab	cpm3	0.117	12.90	0.007	6.74	<0.1	0.664	4.34	2.130	<0.5	29.10	<0.25	0.332	<0.5	<1	<0.5	<0.005	310	<4
Big Bob group (patented)	73	WF-9571	W1161015	N414048	grab	cpm3	11.300	60.00	5.030	387.00	2.750	<0.1	3410.00	17.300	<0.5	1341.00	<0.25	29.200	<0.5	<1	<0.5	<0.005	590	24
Big Bob group (patented)	74	WF-9572	W1161022	N414057	grab	cpm3	0.279	31.30	0.005	2.60	<0.1	0.296	25.00	4.070	<0.5	146.00	<0.25	0.611	<0.5	<1	<0.5	<0.005	<25	<4
Big Bob group (patented)	75	WF-9573	W1161006	N414052	chip	cpm3	0.193	16.30	0.010	6.66	<0.1	0.622	11.40	19.800	<0.5	6.42	<0.25	<0.1	<0.5	<1	<0.5	<0.005	145	<4
Big Bob group (patented)	76	WF-9574	W1161006	N414052	grab	cpm3	0.531	25.70	0.009	11.00	<0.1	0.875	45.70	2.390	<0.5	15.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	553	<4
Big Bob group (patented)	77	WF-9575	W1161006	N414052	grab	cpm3	0.786	26.00	0.057	13.60	<0.1	0.553	16.30	2.480	<0.5	16.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	660	<4
Big Jay-Big Mike claims (Jerritt Cyn)	739	WF-11541	W1160156	N412811	select	dov1	0.097	25.00	0.006	2.45	0.254	1.680	0.96	2.280	<0.5	2.65	<0.25	<0.1	<0.5	<1	<0.5	<0.005	568446	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Big Jay-Big Mike claims (Jerritt Cyn)	740	WF-11542	W1160203	N412754	grab	dov1	0.247	13.70	0.003	13.10	0.610	15.700	1.82	1.140	0.600	1.85	<0.25	<0.1	<0.5	<1	<0.5	<0.005	9229	<4
Big Jay-Big Mike claims (Jerritt Cyn)	741	WF-11543	W1160203	N412754	select	dov1	0.177	25.30	0.002	9.22	0.824	7.220	1.58	1.540	0.853	2.32	<0.25	<0.1	<0.5	0.94	<0.5	<0.005	533069	<4
Big Jay-Big Mike claims (Jerritt Cyn)	742	WF-11544	W1160212	N412759	select	dov1	0.209	16.00	0.013	14.50	0.701	2.690	2.09	1.700	<0.5	2.25	<0.25	<0.1	<0.5	3.94	<0.5	<0.005	439914	<4
Big Knob	1065	WF-11925	W1160400	N411741	chip	dov1	0.062	1.45	0.002	2.44	<0.1	0.151	0.46	<0.25	<0.5	4.44	<0.25	<0.1	<0.5	<1	<0.5	<0.005	NA	NA
Big Knob	1066	WF-11926	W1160400	N411741	grab	dov1	0.021	2.46	0.002	28.30	<0.1	0.645	2.85	0.625	<0.5	37.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	NA	NA
Big Knob	1067	WF-11927	W1160400	N411741	grab	dov1	1.270	50.50	0.016	213.00	1.310	32.300	17.10	13.400	<0.5	782.00	<0.25	6.500	0.854	17.40	0.626	<0.005	18420	<4
Big Knob	1068	WF-11928	W1160400	N411741	select	dov1	0.094	1.04	0.001	4.85	<0.1	0.890	0.34	0.404	<0.5	11.80	<0.25	0.990	<0.5	<1	<0.5	<0.005	453880	<4
Big Knob	1069	WF-11929	W1160400	N411741	grab	dov1	0.097	1.60	0.001	28.50	<0.1	1.700	4.68	0.795	<0.5	58.30	<0.25	0.244	7.000	<1	<0.5	<0.005	1532	<4
Big Knob	1070	WF-11930	W1160406	N411744	chip	dov1	0.146	<1	<0.001	2.32	0.152	1.710	0.77	0.359	<0.5	1.12	<0.25	<0.1	<0.5	2.38	<0.5	<0.005	648640	<4
Big Knob	1071	WF-11931	W1160406	N411744	grab	dov1	0.249	55.20	0.024	292.00	1.290	52.300	10.30	14.300	<0.5	184.00	<0.25	3.850	2.390	6.30	<0.5	<0.005	31189	<4
Big Knob	1072	WF-11932	W1160406	N411744	grab	dov1	0.447	6.51	0.003	46.20	0.980	5.630	3.40	1.240	<0.5	187.00	<0.25	0.760	0.546	6.43	<0.5	<0.005	2971	<4
Big Knob	1073	WF-11933	W1160406	N411744	grab	dov1	0.036	1.13	0.001	27.90	<0.1	14.600	7.25	0.769	<0.5	25.60	<0.25	0.193	<0.5	<1	<0.5	<0.005	4000	<4
Big Knob	1074	WF-11934	W1160406	N411744	select	dov1	0.095	<1	0.002	1.24	<0.1	0.294	0.75	<0.25	<0.5	1.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	461938	<4
Big Springs project	797	WF-11568	W1155356	N413420	grab	pms2	0.990	4.91	0.001	8.78	<0.1	0.819	1.12	0.776	<0.5	9.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	591	<4
Big Springs project	798	WF-11569	W1155353	N413424	grab	pms2	0.049	31.50	<0.001	10.50	<0.1	12.000	1.88	1.520	<0.5	10.90	<0.25	0.139	<0.5	<1	<0.5	<0.005	1803	<4
Big Springs project	799	WF-11570	W1155353	N413442	grab	pms2	0.598	38.40	0.014	8.76	<0.1	4.680	3.46	2.330	<0.5	20.50	<0.25	0.162	0.795	<1	<0.5	<0.005	997	<4
Big Springs project	800	WF-11571	W1155405	N413449	grab	pmi2	0.316	2.53	0.048	38.00	<0.1	3.680	3.97	0.371	<0.5	31.20	<0.25	<0.1	0.742	<1	<0.5	<0.005	1055	<4
Big Springs project	877	WF-11645	W1155939	N413304	grab	pms2	0.151	294.00	0.001	8.46	0.470	0.588	3.01	1.810	0.780	41.10	0.265	<0.1	0.568	<1	<0.5	<0.005	9075	<4
Big Springs project	878	WF-11646	W1155858	N413301	grab	pms2	0.097	65.40	0.001	6.08	0.246	0.928	2.17	6.710	<0.5	13.20	<0.25	<0.1	0.497	<1	<0.5	<0.005	141	<4
Big Springs project	879	WF-11647	W1155858	N413259	grab	pms2	0.325	51.00	0.004	33.40	0.209	5.990	3.89	2.170	<0.5	43.50	0.280	<0.1	0.861	<1	<0.5	<0.005	14375	<4
Big Springs project	880	WF-11648	W1155817	N413232	grab	dov1	0.052	64.80	<0.001	3.01	0.194	4.490	0.65	7.800	<0.5	11.30	0.278	<0.1	<0.5	<1	<0.5	<0.005	170	<4
Big Springs project	881	WF-11649	W1155918	N413255	grab	pms2	0.782	3583.00	0.168	29.30	1.410	7.230	7.24	20.000	1.280	23.50	<0.25	<0.1	0.728	3.29	<0.5	<0.005	1298	<4
Big Springs project	1383	WF-12247	W1155737	N413242	grab	dov1	0.051	144.00	0.001	5.24	0.800	13.200	1.59	31.100	<0.5	19.10	<0.25	0.235	<0.5	<1	<0.5	<0.005	233	NA
Bird nos. 1-10	529	WF-11383	W1155726	N414752	grab	dov3	0.390	87.40	0.020	60.90	0.119	6.170	9.47	26.100	<0.5	186.00	<0.25	0.264	0.577	1.30	<0.5	<0.005	4757	<4
Bird nos. 1-10	530	WF-11384	W1155725	N414749	grab	dov3	0.123	107.00	0.023	35.10	<0.1	15.300	39.10	29.100	<0.5	189.00	<0.25	<0.1	2.400	1.29	<0.5	<0.005	4242	<4
Bird nos. 1-10	531	WF-11385	W1155729	N414747	grab	dov3	0.571	27.70	0.009	85.70	0.254	3.220	7.16	15.200	<0.5	103.00	<0.25	1.190	0.566	1.91	<0.5	<0.005	4444	<4
Bird nos. 1-10	1489	WF-12409	W1155724	N414740	grab	mdg3	3.020	12.70	0.007	62.50	2.660	12.900	4.92	4.530	<0.5	80.10	<0.25	0.261	0.675	15.20	<0.5	<0.005	1567	NA
Bird nos. 1-10	1490	WF-12410	W1155739	N414736	grab	dov3	0.100	57.80	0.005	38.90	<0.1	10.700	5.91	7.900	<0.5	50.20	<0.25	0.144	2.570	<1	<0.5	<0.005	5850	NA
Bird nos. 1-10	1491	WF-12411	W1155725	N414734	grab	dov3	0.174	8.18	0.009	45.00	0.247	6.900	4.05	1.010	<0.5	7.18	<0.25	0.097	0.552	<1	<0.5	<0.005	4016	NA
Bird nos. 1-10	1601	WF-12462	W1155712	N414732	grab	dov3	1.210	6.36	0.006	17.50	0.339	8.510	3.96	3.250	<0.5	51.00	<0.25	0.184	<0.5	2.56	<0.5	<0.005	490	NA
Bird nos. 1-10	1602	WF-12463	W1155725	N414734	grab	dov3	0.209	30.30	0.009	151.00	0.461	11.500	5.94	2.470	<0.5	17.70	<0.25	0.215	0.582	2.40	<0.5	<0.005	6044	NA
Bird nos. 1-10	1603	WF-12464	W1155734	N414737	grab	dov3	0.202	21.20	0.003	42.00	0.509	11.500	5.95	30.900	<0.5	122.00	<0.25	0.118	0.777	<1	<0.5	<0.005	5904	NA
Birdseye claims (Jerritt Cyn)	950	WF-11819	W1160317	N412011	grab	soh1	0.147	16.30	0.032	3.75	1.440	3.270	3.44	13.000	<0.5	78.50	<0.25	1.230	<0.5	<1	<0.5	<0.005	8924	<4
Birdseye claims (Jerritt Cyn)	952	WF-11821	W1160238	N411941	grab	dsr1	0.029	2.29	<0.001	2.40	<0.1	1.690	1.21	7.240	<0.5	39.60	<0.25	0.377	<0.5	<1	<0.5	<0.005	1626	<4
Birdseye claims (Jerritt Cyn)	953	WF-11822	W1160247	N411937	grab	dsr1	0.306	12.20	0.036	12.90	2.750	4.030	4.51	10.700	<0.5	215.00	<0.25	2.950	<0.5	2.15	<0.5	<0.005	798	<4
Birdseye claims (Jerritt Cyn)	954	WF-11823	W1160247	N411922	grab	soh1	0.053	7.50	0.023	2.04	0.376	1.370	2.51	22.800	<0.5	63.40	<0.25	0.456	<0.5	<1	<0.5	<0.005	220	<4
Birdseye claims (Jerritt Cyn)	955	WF-11824	W1160247	N411912	grab	soh1	0.363	12.60	0.024	9.80	1.140	3.040	5.57	9.670	<0.5	164.00	<0.25	2.740	<0.5	1.49	<0.5	<0.005	5028	<4
Birdseye claims (Jerritt Cyn)	956	WF-11825	W1160236	N411911	grab	oeq1	0.091	3.61	0.012	3.83	0.171	0.565	1.33	7.280	<0.5	8.75	<0.25	0.126	<0.5	<1	<0.5	<0.005	155	<4
Birdseye claims (Jerritt Cyn)	957	WF-11826	W1160225	N411937	grab	oeq1	0.052	3.95	0.003	4.05	<0.1	0.540	1.05	4.460	<0.5	3.42	<0.25	<0.1	<0.5	<1	<0.5	<0.005	212	<4
Birdseye claims (Jerritt Cyn)	958	WF-11827	W1160252	N412002	grab	dsr1	0.980	1.65	0.004	1.92	<0.1	1.860	0.45	2.350	<0.5	22.80	<0.25	0.191	<0.5	<1	<0.5	<0.005	557428	<4
Birdseye claims (Jerritt Cyn)	959	WF-11828	W1160252	N412002	grab	dsr1	0.069	5.62	0.030	3.51	<0.1	2.560	1.22	7.100	<0.5	21.10	<0.25	0.980	<0.5	<1	<0.5	<0.005	17207	<4
Birdseye claims (Jerritt Cyn)	960	WF-11829	W1160258	N412007	grab	dsr1	0.076	8.29	0.010	7.83	0.110	0.985	1.85	6.840	<0.5	54.90	<0.25	0.540	<0.5	<1	<0.5	<0.005	3898	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Birdseye claims (Jerritt Cyn)	961	WF-11830	W1160250	N411956	grab	dsr1	0.482	28.70	0.002	52.40	0.356	15.500	6.15	10.600	0.665	230.00	<0.25	9.690	1.150	5.12	<0.5	<0.005	1375	<4
Birdseye claims (Jerritt Cyn)	962	WF-11831	W1160306	N412005	grab	dsr1	0.132	5.70	0.017	3.66	0.313	1.370	1.70	6.760	<0.5	14.40	<0.25	0.298	<0.5	<1	<0.5	<0.005	701	<4
Birdseye claims (Jerritt Cyn)	963	WF-11832	W1160306	N412005	grab	dsr1	0.353	47.10	0.018	22.00	0.568	5.170	7.57	33.500	<0.5	148.00	<0.25	1.400	<0.5	2.14	<0.5	<0.005	2563	<4
Birdseye claims (Jerritt Cyn)	964	WF-11833	W1160311	N412003	grab	soh1	0.243	13.60	0.037	6.96	0.441	2.560	3.66	18.500	<0.5	260.00	<0.25	0.991	<0.5	<1	<0.5	<0.005	4727	<4
Birdseye claims (Jerritt Cyn)	981	WF-11850	W1160240	N411832	grab	dsr1	<0.015	9.73	<0.001	4.43	<0.1	0.169	1.49	1.010	<0.5	16.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	163	<4
Birdseye claims (Jerritt Cyn)	982	WF-11851	W1160238	N411842	grab	soh1	0.042	12.00	0.019	6.94	<0.1	0.594	3.78	1.280	<0.5	26.50	<0.25	0.290	<0.5	<1	<0.5	<0.005	691	<4
Birdseye claims (AMAX Co)	992	WF-11861	W1160324	N411946	grab	dov1	0.245	4.23	0.021	14.70	0.292	1.420	6.56	2.580	<0.5	6.81	<0.25	0.177	1.070	0.99	<0.5	<0.005	1152	<4
Birdseye claims (AMAX Co)	993	WF-11862	W1160330	N411948	grab	dov1	0.795	3.78	0.006	35.60	0.195	10.300	3.40	2.280	<0.5	11.40	<0.25	<0.1	<0.5	1.83	<0.5	<0.005	414	<4
Birdseye claims (AMAX Co)	994	WF-11863	W1160329	N411951	grab	dov1	0.040	2.78	0.002	21.10	<0.1	18.600	1.93	1.790	<0.5	7.51	<0.25	<0.1	<0.5	<1	<0.5	<0.005	612	<4
Birdseye claims (AMAX Co)	995	WF-11864	W1160405	N411943	grab	dov1	0.114	18.20	0.001	9.77	<0.1	10.000	13.40	4.920	<0.5	5.82	<0.25	0.124	<0.5	<1	<0.5	<0.005	617	<4
Birdseye claims (AMAX Co)	996	WF-11865	W1160355	N411951	grab	dov1	0.297	331.00	0.034	12.00	0.441	2.740	9.63	62.200	0.854	608.00	<0.25	6.320	0.619	<1	0.526	<0.005	1062	<4
Birdseye claims (AMAX Co)	997	WF-11866	W1160356	N411953	grab	dov1	0.053	5.64	0.007	6.19	<0.1	14.500	1.45	2.310	<0.5	15.60	<0.25	0.271	<0.5	<1	<0.5	<0.005	5975	<4
Birdseye claims (AMAX Co)	998	WF-11867	W1160358	N411954	grab	dov1	0.091	11.90	0.038	3.18	<0.1	0.705	1.85	3.930	<0.5	6.14	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3886	<4
Birdseye claims (AMAX Co)	999	WF-11868	W1160412	N411943	grab	soh1	0.018	5.31	0.007	3.31	<0.1	5.530	1.12	1.400	<0.5	8.85	<0.25	0.135	<0.5	<1	<0.5	<0.005	1261	<4
Birdseye claims (Jerritt Cyn)	1000	WF-11869	W1160359	N411916	grab	dov1	0.029	2.50	0.001	23.70	<0.1	15.700	1.36	1.760	<0.5	39.70	<0.25	0.243	<0.5	<1	<0.5	<0.005	408	<4
Birdseye claims (Jerritt Cyn)	1051	WF-11911	W1160333	N411919	grab	dov1	<0.015	33.90	0.002	15.50	<0.1	5.800	16.00	1.910	<0.5	9.01	<0.25	<0.1	<0.5	<1	<0.5	<0.005	980	<4
Birdseye claims (Jerritt Cyn)	1052	WF-11912	W1160327	N411917	grab	dov1	0.221	18.40	<0.001	30.70	<0.1	8.560	65.10	3.040	<0.5	17.20	<0.25	0.205	<0.5	<1	<0.5	<0.005	1039	<4
Birdseye claims (Jerritt Cyn)	1053	WF-11913	W1160314	N411911	grab	dov1	0.285	20.50	0.003	14.50	<0.1	6.550	4.37	2.240	<0.5	73.30	<0.25	0.459	0.499	3.08	<0.5	<0.005	96065	<4
Birdseye claims (Jerritt Cyn)	1054	WF-11914	W1160306	N411910	select	dov1	0.140	3.39	<0.001	23.00	<0.1	3.240	2.41	0.903	<0.5	23.40	<0.25	0.191	<0.5	1.81	<0.5	<0.005	431633	<4
Birdseye claims (Jerritt Cyn)	1055	WF-11915	W1160306	N411910	grab	dov1	0.097	2.75	0.003	22.20	<0.1	1.600	3.71	1.030	<0.5	56.20	<0.25	0.186	0.706	<1	<0.5	<0.005	18755	<4
Birdseye claims (Jerritt Cyn)	1056	WF-11916	W1160306	N411910	select	dov1	0.054	1.51	0.001	7.99	<0.1	1.560	1.57	0.423	<0.5	31.80	<0.25	0.175	<0.5	<1	<0.5	<0.005	561610	<4
Birdseye claims (Jerritt Cyn)	1057	WF-11917	W1160309	N411904	select	dov1	0.049	1.89	<0.001	7.18	<0.1	0.954	0.83	0.429	<0.5	22.30	<0.25	0.187	<0.5	<1	<0.5	<0.005	546795	<4
Birdseye claims (Jerritt Cyn)	1058	WF-11918	W1160307	N411838	grab	dov1	0.019	3.96	<0.001	16.20	<0.1	0.930	7.41	1.020	<0.5	9.06	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3920	<4
Birdseye claims (Jerritt Cyn)	1059	WF-11919	W1160314	N411855	grab	dov1	2.440	5.73	0.021	23.80	0.534	14.000	11.90	3.110	<0.5	3.02	<0.25	0.652	0.982	8.28	<0.5	<0.005	1558	<4
Birdseye claims (Jerritt Cyn)	1060	WF-11920	W1160327	N411856	grab	dov1	0.136	5.06	0.001	13.90	<0.1	1.820	6.42	2.150	<0.5	13.70	<0.25	0.233	<0.5	<1	<0.5	<0.005	1807	<4
Birdseye claims (Jerritt Cyn)	1061	WF-11921	W1160329	N411905	grab	dov1	0.367	10.00	0.007	38.80	<0.1	1.500	3.21	1.250	<0.5	20.00	<0.25	0.159	<0.5	<1	<0.5	<0.005	NA	NA
Birdseye claims (Jerritt Cyn)	1062	WF-11922	W1160334	N411905	grab	dov1	0.097	7.12	0.002	9.96	<0.1	1.180	6.93	1.650	<0.5	170.00	<0.25	1.380	<0.5	<1	<0.5	<0.005	NA	NA
Birdseye claims (Jerritt Cyn)	1063	WF-11923	W1160334	N411905	grab	dov1	2.810	32.50	0.014	33.00	0.454	10.500	27.70	6.520	<0.5	346.00	<0.25	6.080	0.784	1.88	<0.5	<0.005	NA	NA
Birdseye claims (Jerritt Cyn)	1064	WF-11924	W1160348	N411906	grab	dov1	0.774	3.81	0.005	32.10	0.094	1.870	3.56	0.892	<0.5	37.40	<0.25	0.434	<0.5	5.59	<0.5	<0.005	NA	NA
Birds Eye prospect (Jerritt Cyn)	934	WF-11802	W1155840	N412244	select	dov1	2.540	286.00	0.019	<0.05	<0.1	<0.1	46.60	79365.000	10.100	<1	<0.25	<0.1	<0.5	794.00	21.300	<0.005	87669	<4
Birds Eye prospect (Jerritt Cyn)	935	WF-11803	W1155840	N412244	grab	dov1	0.735	81.50	0.316	<0.05	<0.1	9.830	7.11	57900.000	<0.5	<1	<0.25	0.857	<0.5	135.00	<0.5	<0.005	100230	8
Black Beauty nos. 1-12 (Jerritt Cyn)	938	WF-11806	W1155852	N411931	grab	dov1	1.310	4.45	0.006	29.90	0.357	13.500	2.96	290.000	<0.5	4.42	<0.25	0.196	<0.5	5.97	<0.5	<0.005	1063	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	939	WF-11807	W1155845	N411931	grab	dov1	1.600	6.37	0.008	23.60	0.362	16.400	4.35	46.700	<0.5	51.00	<0.25	0.983	<0.5	3.48	<0.5	<0.005	524	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	940	WF-11808	W1155845	N411933	grab	dov1	0.035	29.80	<0.001	5.42	2.170	5.620	<0.25	40.500	1.560	33.00	<0.25	0.160	<0.5	<1	<0.5	<0.005	<25	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	941	WF-11809	W1155844	N411934	grab	dov1	0.662	59.80	0.003	63.90	30.000	17.100	6.67	15.000	16.500	60.10	<0.25	0.291	0.597	1.23	<0.5	<0.005	1330	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	942	WF-11810	W1155847	N411947	grab	dov1	0.713	10.60	0.021	121.00	0.201	3.820	11.10	26.200	<0.5	136.00	<0.25	0.292	0.635	1.72	<0.5	<0.005	878	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	943	WF-11811	W1155848	N411944	grab	dov1	0.289	4.23	0.002	29.20	0.352	4.870	7.69	19.200	<0.5	86.60	<0.25	0.384	0.755	<1	<0.5	<0.005	1115	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	944	WF-11812	W1155847	N411942	grab	dov1	1.560	9.07	0.008	26.80	0.313	16.300	4.05	60.500	<0.5	13.30	<0.25	0.453	<0.5	23.60	<0.5	<0.005	677	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	945	WF-11813	W1155839	N411939	grab	dov1	0.080	12.10	<0.001	18.60	0.105	9.100	91.60	15.200	<0.5	48.40	<0.25	0.119	<0.5	<1	<0.5	<0.005	552	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	1133	WF-11982	W1155844	N411935	grab	dov1	1.930	28.90	0.015	86.10	0.359	28.600	7.41	4.230	<0.5	647.00	<0.25	2.660	0.541	3.52	0.647	<0.005	551	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	1134	WF-11983	W1155846	N411935	grab	dov1	0.112	14.90	0.001	29.30	0.845	2.580	2.32	1.010	0.520	76.80	<0.25	0.705	1.550	<1	<0.5	<0.005	544	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	1161	WF-12010	W1155855	N411927	grab	dov1	0.176	4.03	0.002	14.90	<0.1	1.210	2.88	1.730	<0.5	27.90	<0.25	0.310	<0.5	1.01	<0.5	<0.005	1108	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Black Beauty nos. 1-12 (Jerritt Cyn)	1162	WF-12011	W1155847	N411942	grab	dov1	2.350	19.20	0.021	57.80	0.400	9.930	4.01	4.380	<0.5	24.70	<0.25	1.260	0.592	22.20	<0.5	<0.005	1675	<4
Black Beauty nos. 1-12 (Jerritt Cyn)	1163	WF-12012	W1155844	N411940	grab	dov1	0.116	14.30	0.001	17.60	0.190	10.200	108.00	2.300	<0.5	27.40	<0.25	<0.1	0.847	<1	<0.5	<0.005	919	<4
Blue Jacket mine (patented)	649	WF-11119	W1160724	N414210	select	oaf3	602.000	2018.00	0.393	3648.00	1.610	15.900	20400.00	3921.000	<0.5	6639.00	6.180	279.000	<0.5	<1	30.600	<0.005	787	<4
Blue Jacket mine (patented)	650	WF-11120	W1160724	N414210	select	oaf3	840.000	1372.00	0.410	5458.00	3.610	5.300	26700.00	5270.000	<0.5	11200.00	9.530	440.000	<0.5	10.00	46.100	<0.005	1121	<4
Blue Jacket mine (patented)	686	WF-11143	W1160736	N414201	grab	kjd3	6.350	173.00	0.037	22.70	0.339	15.400	294.00	31.900	0.655	142.00	<0.25	1.840	<0.5	<1	<0.5	<0.005	83	<4
Blue Jacket mine (patented)	709	WF-11479	W1160735	N414205	grab	oaf3	0.436	3.15	0.003	12.10	<0.1	0.842	28.70	2.000	<0.5	37.30	<0.25	0.420	<0.5	<1	<0.5	<0.005	260	<4
Blue Jacket mine (patented)	710	WF-11480	W1160733	N414204	grab	oaf3	6.300	68.60	0.005	8.49	0.414	9.160	265.00	134.000	<0.5	23.40	<0.25	0.574	<0.5	<1	<0.5	<0.005	766	<4
Blue Jacket mine (patented)	711	WF-11481	W1160727	N414209	grab	oaf3	1098.000	829.00	0.343	5027.00	1.750	4.800	17100.00	3785.000	<0.5	839.00	<0.25	79.300	<0.5	<1	13.800	<0.005	590	<4
Blue Jacket mine (patented)	712	WF-11482	W1160727	N414209	grab	oaf3	4.130	40.20	0.004	30.90	<0.1	1.920	108.00	16.500	<0.5	52.50	<0.25	1.440	7.670	<1	<0.5	<0.005	612	<4
Blue Jacket mine (patented)	723	WF-11493	W1160710	N414219	grab	oaf3	0.311	218.00	0.040	13.10	<0.1	1.580	15.40	27.400	<0.5	61.90	<0.25	0.119	1.960	<1	<0.5	<0.005	3348	<4
Blue Jacket millsite (patented)	724	WF-11494	W1160710	N414219	chip	oaf3	1.040	15.10	0.003	11.30	<0.1	0.604	29.20	10.300	<0.5	22.90	<0.25	0.186	1.040	<1	<0.5	<0.005	1059	<4
Blue Jacket millsite (patented)	1536	WF-12425	W1160624	N414219	select	oaf3	933.000	3435.00	0.388	6768.00	4.840	18.000	21600.00	4435.000	<0.5	13000.00	4.510	457.000	<0.5	<1	54.400	<0.005	789	NA
Blue Jacket mine (patented)	1537	WF-12426	W1160624	N414219	grab	oaf3	4.050	22.60	0.007	46.40	4.140	1.110	126.00	23.600	<0.5	123.00	<0.25	2.850	10.700	<1	<0.5	<0.005	606	NA
Blue Smoke claims	1708	WF-12569	W1160456	N411552	grab	dov1	0.132	3.52	<0.001	39.40	0.233	17.200	3.53	4.350	<0.5	6.06	<0.25	0.581	<0.5	2.09	<0.5	<0.005	973	NA
Blue Smoke claims	1709	WF-12570	W1160456	N411552	select	dov1	<0.015	<1	0.014	4.79	<0.1	1.340	<0.25	<0.25	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	431356	NA
Blue Smoke claims	1710	WF-12571	W1160456	N411552	grab	dov1	0.282	35.30	0.028	283.00	0.616	36.200	8.99	4.770	1.040	4324.00	0.347	22.600	0.858	1.78	0.569	<0.005	53940	NA
Blue Smoke claims	1711	WF-12572	W1160515	N411550	select	dov1	0.119	<1	0.008	5.93	<0.1	0.871	<0.25	<0.25	<0.5	14.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	458443	NA
Blue Smoke claims	1712	WF-12573	W1160515	N411550	grab	dov1	0.229	2.17	0.002	15.70	0.190	11.500	2.40	2.580	<0.5	13.20	<0.25	<0.1	<0.5	1.23	<0.5	<0.005	13448	NA
Blue Smoke claims	1713	WF-12574	W1160515	N411550	grab	dov1	0.606	6.62	0.007	100.00	1.490	17.900	10.70	6.030	<0.5	5.46	0.253	<0.1	0.751	4.26	<0.5	<0.005	5315	NA
Boggle claims	1151	WF-12000	W1155604	N411639	grab	tvo1	0.019	4.86	<0.001	4.86	<0.1	2.760	3.93	0.528	<0.5	19.20	<0.25	0.108	1.230	<1	<0.5	<0.005	2212	<4
Boggle claims	1167	WF-12025	W1155538	N411637	grab	tvo1	0.041	41.70	0.001	3.52	1.610	6.240	2.32	0.704	<0.5	4.85	<0.25	<0.1	1.010	<1	<0.5	<0.005	482	<4
Boggle claims	1168	WF-12026	W1155541	N411637	grab	tvo1	0.043	3.34	<0.001	6.44	<0.1	0.734	3.99	0.383	<0.5	17.80	<0.25	0.232	2.010	<1	<0.5	<0.005	3848	<4
Boggle claims	1169	WF-12027	W1155622	N411629	grab	tvo1	0.042	2.41	0.001	5.93	<0.1	2.450	4.24	<0.25	<0.5	21.50	<0.25	<0.1	2.360	<1	<0.5	<0.005	2133	<4
Boggle claims	1170	WF-12028	W1155620	N411626	grab	tvo1	0.047	279.00	<0.001	9.20	<0.1	2.750	6.65	0.247	<0.5	9.67	<0.25	0.164	8.040	<1	<0.5	<0.005	1613	<4
Bonanza and Bonanza Queen (surveyed)	179	WF-9670	W1160456	N414056	select	ccm3	215.000	37.40	0.088	78.00	<0.1	1.910	489.00	91.700	<0.5	276.00	<0.25	3.230	<0.5	<1	<0.5	<0.005	81	4
Bonanza and Bonanza Queen (surveyed)	180	WF-9671	W1160451	N414056	grab	ccm3	0.486	324.00	0.029	19.40	0.184	1.470	7.13	12.100	<0.5	12.50	0.253	<0.1	0.801	<1	<0.5	<0.005	62	<4
Bonanza and Bonanza Queen (surveyed)	181	WF-9672	W1160449	N414054	grab	ccm3	126.000	36.20	0.054	53.80	0.198	0.711	1003.00	100.000	<0.5	244.00	<0.25	4.390	<0.5	1.59	<0.5	<0.005	31	<4
Bonanza and Bonanza Queen (surveyed)	204	WF-9695	W1160446	N414051	grab	kjd3	0.320	27.60	0.002	10.00	<0.1	0.226	36.90	1.010	<0.5	81.60	<0.25	0.250	8.320	<1	<0.5	<0.005	1270	<4
Bonanza and Bonanza Queen (surveyed)	205	WF-9696	W1160446	N414051	grab	kjd3	0.702	287.00	0.028	9.97	0.475	0.614	65.50	1.730	<0.5	122.00	<0.25	0.353	6.350	<1	<0.5	<0.005	1230	<4
Bonanza and Bonanza Queen (surveyed)	206	WF-9697	W1160446	N414051	grab	kjd3	0.166	27.90	0.005	21.90	1.590	1.070	15.10	0.954	<0.5	54.40	<0.25	0.162	4.240	<1	<0.5	<0.005	1768	<4
Bonanza and Bonanza Queen (surveyed)	207	WF-9698	W1160446	N414051	grab	kjd3	0.149	6.23	0.002	10.40	0.687	1.260	13.50	0.614	<0.5	69.00	<0.25	0.118	6.160	<1	<0.5	<0.005	1093	<4
Bonanza and Bonanza Queen (surveyed)	208	WF-9699	W1160446	N414051	grab	kjd3	0.205	14.00	0.006	29.70	1.360	0.509	8.34	0.735	<0.5	58.40	<0.25	0.113	6.110	<1	<0.5	<0.005	1019	<4
Bonanza and Bonanza Queen (surveyed)	209	WF-9700	W1160446	N414051	grab	kjd3	1.670	263.00	0.104	16.50	1.110	0.888	9.66	4.640	<0.5	55.20	<0.25	0.149	5.270	<1	<0.5	<0.005	1329	<4
Bonanza and Bonanza Queen (surveyed)	210	WF-9701	W1160446	N414051	chip	kjd3	16.000	615.00	0.192	20.80	0.147	0.785	121.00	36.900	<0.5	214.00	<0.25	2.600	3.780	<1	<0.5	<0.005	1114	8
Bonanza and Bonanza Queen (surveyed)	211	WF-9702	W1160446	N414051	chip	kjd3	11.800	532.00	0.151	34.40	0.388	0.685	38.40	30.100	<0.5	144.00	<0.25	1.430	4.660	<1	<0.5	<0.005	1039	4
Bonanza and Bonanza Queen (surveyed)	212	WF-9703	W1160446	N414051	chip	kjd3	371.000	1707.00	0.427	215.00	0.931	0.894	2772.00	1121.000	<0.5	2387.00	0.758	37.100	<0.5	3.60	0.511	<0.005	2439	16
Bonanza and Bonanza Queen (surveyed)	213	WF-9704	W1160446	N414051	grab	kjd3	2.220	430.00	0.054	28.80	1.590	0.699	14.00	8.470	<0.5	61.50	<0.25	0.279	3.880	<1	<0.5	<0.005	900	<4
Bonanza and Bonanza Queen (surveyed)	214	WF-9705	W1160446	N414051	chip	kjd3	4.220	1496.00	0.229	11.50	3.640	1.140	10.70	10.000	<0.5	22.30	<0.25	0.176	0.678	<1	<0.5	<0.005	475	4
Bonanza and Bonanza Queen (surveyed)	215	WF-9706	W1160446	N414051	chip	ccm3	5.180	970.00	0.128	16.90	1.190	0.759	16.90	10.100	<0.5	59.30	<0.25	0.365	1.520	<1	<0.5	<0.005	553	16
Bonanza and Bonanza Queen (surveyed)	216	WF-9707	W1160446	N414051	chip	kjd3	52.100	678.00	0.228	59.40	3.870	0.927	23.40	34.200	<0.5	157.00	<0.25	2.100	1.310	<1	<0.5	<0.005	548	8
Bonanza and Bonanza Queen (surveyed)	217	WF-9708	W1160446	N414051	chip	kjd3	21.600	164.00	0.076	19.30	0.097	1.080	78.80	20.100	<0.5	61.90	<0.25	1.190	<0.5	<1	<0.5	<0.005	30	<4
Bonanza and Bonanza Queen (surveyed)	218	WF-9709	W1160446	N414051	chip	kjd3	0.831	95.00	0.021	5.61	0.327	0.223	8.54	1.790	<0.5	84.60	<0.25	0.301	8.200	<1	<0.5	<0.005	1012	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Bull Run mine (patented)	95	WF-9593	W1160943	N413936	select	cpm3	4.550	16.10	8.780	150.00	0.954	<0.1	740.00	2.530	<0.5	341.00	<0.25	7.620	<0.5	<1	<0.5	<0.005	23	<4
Bull Run mine (patented)	96	WF-9594	W1160943	N413936	chip	cpm3	80.200	1317.00	5.300	1058.00	3.240	<0.1	6779.00	360.000	5.460	2675.00	4.490	26.300	<0.5	<1	<0.5	<0.005	36	<4
Bull Run mine (patented)	101	WF-9599	W1160927	N413926	chip	cpm3	1.600	45.20	0.713	212.00	1.070	1.120	335.00	14.000	<0.5	45.40	0.366	0.620	<0.5	<1	<0.5	<0.005	101	<4
Bull Run mine (patented)	102	WF-9600	W1160927	N413926	chip	cpm3	8.410	69.30	16.200	251.00	7.190	1.520	2512.00	43.100	<0.5	60.50	2.820	0.611	<0.5	<1	<0.5	<0.005	20	<4
Bull Run mine (patented)	103	WF-9601	W1160929	N413928	grab	cpm3	1.140	113.00	1.340	81.70	1.340	1.830	725.00	25.800	<0.5	350.00	1.560	3.130	0.643	<1	<0.5	<0.005	335	4
Bull Run mine (patented)	104	WF-9602	W1160927	N413926	select	cpm3	7.830	376.00	6.830	195.00	6.640	1.970	280.00	76.400	<0.5	90.90	1.570	1.890	<0.5	<1	<0.5	<0.005	806	<4
Bull Run mine (patented)	105	WF-9603	W1160925	N413936	grab	cpm3	0.054	6.44	0.014	8.95	0.100	0.573	7.55	1.180	<0.5	5.18	<0.25	<0.1	<0.5	<1	<0.5	<0.005	159	<4
Bull Run mine (patented)	106	WF-9604	W1160927	N413926	chip	cpm3	0.121	507.00	0.162	6.99	9.840	4.250	25.20	88.300	<0.5	8.31	<0.25	0.895	<0.5	<1	<0.5	<0.005	140	<4
Bull Run mine (patented)	107	WF-9605	W1160927	N413926	grab	cpm3	0.650	792.00	0.160	15.20	39.000	7.030	27.10	177.000	<0.5	3.25	<0.25	<0.1	<0.5	1.55	<0.5	<0.005	13007	<4
Bull Run mine (patented)	108	WF-9606	W1160920	N413922	grab	cpm3	0.021	9.27	0.006	2.03	0.323	1.080	3.66	2.390	<0.5	2.98	<0.25	<0.1	<0.5	<1	<0.5	<0.005	93	<4
Bull Run mine (patented)	109	WF-9607	W1160911	N413926	chip	cpm3	0.055	18.10	0.083	2.71	0.251	1.790	6.71	3.590	<0.5	3.65	<0.25	<0.1	<0.5	<1	<0.5	<0.005	61	<4
Bull Run mine (patented)	110	WF-9608	W1160910	N413925	grab	cpm3	0.089	25.90	0.093	12.10	0.231	3.170	156.00	2.770	<0.5	86.40	<0.25	0.224	<0.5	<1	<0.5	<0.005	27	<4
Bull Run mine (patented)	111	WF-9609	W1160914	N413928	grab	cpm3	0.329	18.50	0.357	7.15	0.153	1.110	93.40	4.500	<0.5	7.97	<0.25	0.142	<0.5	<1	<0.5	<0.005	85	<4
Bull Run mine (patented)	120	WF-9618	W1160905	N413936	grab	cpm3	<0.015	1.60	<0.001	1.58	<0.1	0.378	1.76	0.545	<0.5	3.63	<0.25	<0.1	<0.5	<1	<0.5	<0.005	57	<4
Bull Run mine (patented)	121	WF-9619	W1160902	N413933	grab	cpm3	2.410	55.60	1.840	31.60	0.206	0.653	240.00	30.600	<0.5	45.50	0.379	0.255	<0.5	<1	<0.5	<0.005	152	<4
Bull Run mine (patented)	122	WF-9620	W1160900	N413932	grab	cpm3	0.036	26.80	0.016	2.02	0.360	0.900	1.89	8.130	<0.5	7.88	<0.25	<0.1	<0.5	<1	<0.5	<0.005	49	<4
Bull Run mine (patented)	123	WF-9621	W1160900	N413930	grab	cpm3	0.024	44.50	0.001	2.16	0.976	0.753	3.05	4.280	<0.5	6.19	<0.25	<0.1	<0.5	<1	<0.5	<0.005	243	<4
Bull Run mine (patented)	124	WF-9622	W1160900	N413932	grab	cpm3	0.213	27.80	0.535	9.62	<0.1	1.210	9.06	1.410	<0.5	19.30	<0.25	0.136	<0.5	<1	<0.5	<0.005	85	<4
Bull Run mine (patented)	125	WF-9623	W1160901	N413936	chip	cpm3	0.224	10.70	0.445	2.39	0.471	1.940	1.41	1.950	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	342	<4
Bull Run mine (patented)	126	WF-9624	W1160914	N413926	grab	cpm3	0.068	5.14	0.069	2.23	<0.1	0.845	5.82	0.621	<0.5	1.32	<0.25	<0.1	<0.5	<1	<0.5	<0.005	25	<4
Bull Run mine (patented)	151	WF-9653	W1160943	N413936	chip	cpm3	4.840	<1	0.849	65.20	<0.1	1.810	700.00	4.840	<0.5	159.00	<0.25	3.640	<0.5	<1	<0.5	<0.005	34	<4
Bull Run mine (patented)	152	WF-9654	W1160943	N413936	chip	cpm3	24.700	153.00	44.700	263.00	4.690	4.430	5886.00	34.800	<0.5	615.00	<0.25	5.900	<0.5	<1	<0.5	<0.005	126	<4
Bull Run mine (patented)	153	WF-9655	W1160932	N413929	grab	cpm3	0.601	80.90	0.122	16.50	1.910	1.240	144.00	27.800	<0.5	224.00	1.580	1.880	<0.5	<1	<0.5	<0.005	105	<4
Bull Run mine (patented)	154	WF-9656	W1160934	N413925	chip	cpm3	1.230	403.00	1.220	14.40	6.920	1.790	432.00	92.200	<0.5	155.00	<0.25	3.650	<0.5	<1	<0.5	<0.005	229	4
Bull Run mine (patented)	155	WF-9657	W1160934	N413925	chip	cpm3	4.010	215.00	0.389	51.20	3.630	3.170	403.00	42.100	<0.5	239.00	<0.25	1.640	<0.5	<1	<0.5	<0.005	284	<4
Bull Run mine (patented)	156	WF-9658	W1160934	N413925	chip	cpm3	0.395	15.60	0.004	3.88	<0.1	2.360	9.84	3.410	<0.5	12.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	303	<4
Bull Run mine (patented)	157	WF-9659	W1160934	N413925	chip	cpm3	0.763	15.10	0.044	42.80	<0.1	2.080	8.90	2.780	<0.5	24.90	<0.25	1.280	<0.5	<1	<0.5	<0.005	519	<4
Bull Run mine (patented)	158	WF-9660	W1160934	N413925	chip	cpm3	0.495	42.30	0.134	43.90	<0.1	2.010	40.80	<0.25	<0.5	35.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	675	4
Bull Run mine (patented)	159	WF-9648	W1160934	N413925	chip	cpm3	0.204	6.67	0.006	3.67	0.262	1.230	10.20	2.300	<0.5	40.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	205	<4
Bull Run mine (patented)	160	WF-9649	W1160934	N413925	chip	cpm3	0.123	191.00	0.009	4.62	6.240	0.895	7.59	51.700	<0.5	21.70	<0.25	0.189	<0.5	<1	<0.5	<0.005	168	<4
Bull Run mine (patented)	161	WF-9650	W1160934	N413925	chip	cpm3	6.280	16.80	3.350	43.50	0.477	0.733	494.00	8.640	<0.5	34.70	<0.25	0.447	<0.5	<1	<0.5	<0.005	71	<4
Bull Run mine (patented)	162	WF-9651	W1160934	N413925	chip	cpm3	12.300	60.30	1.630	125.00	2.420	2.740	8279.00	12.400	<0.5	278.00	<0.25	1.260	<0.5	<1	<0.5	<0.005	85	<4
Bull Run mine (patented)	163	WF-9652	W1160934	N413925	chip	cpm3	3.770	44.90	6.950	103.00	3.980	1.940	558.00	12.300	<0.5	125.00	<0.25	0.683	<0.5	<1	<0.5	<0.005	51	4
Bull Run mine (patented)	164	WF-10993	W1160934	N413925	chip	cpm3	4.250	23.10	6.880	53.40	0.938	0.757	795.00	6.220	<0.5	118.00	<0.25	1.060	<0.5	<1	<0.5	<0.005	196	<4
Bull Run mine (patented)	165	WF-10994	W1160934	N413925	grab	cpm3	0.201	3.24	0.023	4.79	0.251	0.942	138.00	0.945	<0.5	11.30	<0.25	0.138	<0.5	<1	<0.5	<0.005	149	<4
Bull Run mine (patented)	166	WF-10995	W1160934	N413925	chip	cpm3	0.312	39.30	0.585	41.20	0.902	0.455	138.00	7.190	<0.5	22.10	<0.25	0.320	<0.5	<1	<0.5	<0.005	469	<4
Bull Run mine (patented)	167	WF-10996	W1160934	N413925	grab	cpm3	3.180	7.72	6.270	21.20	0.231	0.477	291.00	0.760	<0.5	35.40	<0.25	0.397	<0.5	<1	<0.5	<0.005	59	<4
Bull Run mine (patented)	168	WF-10997	W1160934	N413925	grab	cpm3	1.160	5.03	2.520	16.30	<0.1	0.590	130.00	0.567	<0.5	40.30	<0.25	0.783	<0.5	<1	<0.5	<0.005	238	<4
Bull Run mine (patented)	169	WF-10998	W1160932	N413924	grab	cpm3	1.710	6.19	1.230	18.70	0.207	0.312	482.00	0.477	<0.5	22.90	<0.25	0.210	<0.5	<1	<0.5	<0.005	44	<4
Bull Run mine (patented)	170	WF-9661	W1160934	N413925	grab	cpm3	0.199	7.07	0.031	32.30	0.595	0.744	408.00	1.330	<0.5	40.70	<0.25	0.550	<0.5	<1	<0.5	<0.005	257	4
Bull Run mine (patented)	171	WF-9662	W1160930	N413920	select	cpm3	1.000	7.69	0.297	19.30	0.300	0.586	264.00	1.300	<0.5	41.40	<0.25	0.493	<0.5	<1	<0.5	<0.005	279	<4
Bull Run mine (patented)	172	WF-9663	W1160930	N413921	grab	cpm3	1.250	6.28	1.240	18.80	0.125	0.648	392.00	1.150	<0.5	31.80	<0.25	0.359	<0.5	<1	<0.5	<0.005	54	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Burns Basin project	936	WF-11804	W1160012	N411949	grab	soh1	0.057	27.00	0.042	6.98	0.591	1.890	15.40	5163.000	0.626	66.80	<0.25	0.325	<0.5	14.30	<0.5	<0.005	2644	<4
Burns Basin project	937	WF-11805	W1160012	N411949	grab	soh1	0.130	39.50	0.086	7.86	1.360	11.200	5.46	461.000	<0.5	113.00	<0.25	0.512	<0.5	1.09	<0.5	<0.005	1226	<4
Burp claims	728	WF-11498	W1155336	N413727	grab	tvol	0.084	1.85	0.001	5.26	<0.1	1.230	8.71	0.331	<0.5	53.00	<0.25	<0.1	1.670	<1	<0.5	<0.005	959	<4
Burp claims	729	WF-11499	W1155339	N413728	grab	tvol	0.239	1.44	0.001	4.25	<0.1	6.710	24.40	0.582	<0.5	27.90	<0.25	<0.1	1.240	<1	<0.5	<0.005	1028	<4
CAL group (Jerritt Cyn)	901	WF-11669	W1160103	N412427	grab	dov1	0.948	14.00	0.043	36.60	<0.1	19.400	11.70	4.240	<0.5	346.00	<0.25	4.180	<0.5	<1	<0.5	<0.005	87490	<4
CAL group (Jerritt Cyn)	902	WF-11670	W1160114	N412425	grab	dov1	<0.015	1.90	<0.001	20.20	<0.1	8.880	2.05	0.516	<0.5	19.10	<0.25	0.096	0.539	<1	<0.5	<0.005	417	<4
CAL group (Jerritt Cyn)	903	WF-11671	W1160129	N412418	grab	dov1	0.021	2.82	0.001	8.61	<0.1	1.170	2.60	0.395	<0.5	11.70	<0.25	0.097	0.712	<1	<0.5	<0.005	412	<4
CAL group (Jerritt Cyn)	919	WF-11692	W1160148	N412446	grab	dov1	0.679	30.90	0.002	78.90	<0.1	5.910	9.64	2.690	<0.5	11.80	<0.25	<0.1	4.100	1.76	<0.5	<0.005	1265	<4
CAL group (Jerritt Cyn)	947	WF-11816	W1160055	N412158	grab	dov1	0.046	1.52	<0.001	13.70	<0.1	4.990	4.91	7.140	<0.5	14.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1027	<4
CAL group (Jerritt Cyn)	948	WF-11817	W1160106	N412200	grab	dov1	0.075	1.31	0.002	7.38	<0.1	9.350	2.79	6.450	<0.5	9.47	<0.25	0.128	<0.5	<1	<0.5	<0.005	753	<4
CAL group (Jerritt Cyn)	949	WF-11818	W1160115	N412205	grab	dov1	0.049	5.19	0.002	23.80	<0.1	5.810	3.15	5.380	<0.5	115.00	<0.25	0.129	<0.5	<1	<0.5	<0.005	1392	<4
CAL group (Jerritt Cyn)	965	WF-11834	W1160026	N411935	grab	soh1	0.070	9.43	0.024	5.91	0.384	1.730	3.16	14.700	<0.5	54.70	<0.25	0.442	<0.5	<1	<0.5	<0.005	1048	<4
CAL group (Jerritt Cyn)	968	WF-11837	W1160043	N411917	grab	soh1	0.045	5.64	0.028	4.34	0.210	1.640	1.52	138.000	<0.5	11.00	<0.25	0.349	<0.5	<1	<0.5	<0.005	1322	<4
CAL group (Jerritt Cyn)	969	WF-11838	W1160042	N411844	grab	dov1	0.440	2.98	0.009	23.50	<0.1	1.890	3.26	1.080	<0.5	4.63	<0.25	0.106	<0.5	2.10	<0.5	<0.005	465	<4
CAL group (Jerritt Cyn)	976	WF-11845	W1160113	N411833	grab	dov1	<0.015	14.40	<0.001	4.51	<0.1	2.110	1.44	2.170	<0.5	9.46	<0.25	0.304	<0.5	<1	<0.5	<0.005	146	<4
CAL group (Jerritt Cyn)	990	WF-11859	W1155946	N411841	grab	dsr1	0.302	23.90	0.052	12.20	1.310	3.100	40.10	18.200	<0.5	183.00	<0.25	2.430	<0.5	0.92	<0.5	<0.005	1568	<4
CAL group (Jerritt Cyn)	1013	WF-11873	W1155938	N412252	grab	dov1	0.842	13.40	0.005	36.80	0.236	16.700	31.10	8.410	<0.5	52.60	<0.25	0.812	0.931	3.14	<0.5	<0.005	1060	<4
CAL group (Jerritt Cyn)	1025	WF-11885	W1155923	N412258	grab	dov1	0.129	3.34	0.003	8.74	<0.1	2.160	3.67	2.070	<0.5	5.49	<0.25	<0.1	<0.5	<1	<0.5	<0.005	133	<4
CAL group (Jerritt Cyn)	1026	WF-11886	W1155920	N412255	grab	dov1	0.580	11.80	0.014	96.70	0.211	22.700	10.80	3.730	<0.5	265.00	<0.25	4.140	1.210	2.69	<0.5	<0.005	2688	<4
CAL group (Jerritt Cyn)	1039	WF-11899	W1155835	N412151	grab	dsr1	0.076	4.68	0.001	9.73	<0.1	2.260	8.13	1.820	<0.5	54.80	<0.25	0.217	<0.5	<1	<0.5	<0.005	847	<4
CAL group (Jerritt Cyn)	1040	WF-11900	W1155835	N412153	grab	dsr1	0.494	6.80	0.005	34.00	<0.1	2.690	3.66	2.210	<0.5	78.80	<0.25	0.799	<0.5	<1	<0.5	<0.005	15212	<4
CAL group (Jerritt Cyn)	1041	WF-11901	W1155808	N412135	grab	dov1	0.033	1.68	0.001	11.00	<0.1	0.414	4.76	0.545	<0.5	34.60	<0.25	0.144	0.734	<1	<0.5	<0.005	813	<4
CAL group (Jerritt Cyn)	1042	WF-11902	W1155709	N412138	grab	dov1	0.016	2.20	0.001	79.30	<0.1	0.826	0.40	<0.25	<0.5	48.80	<0.25	0.119	6.820	<1	<0.5	<0.005	3091	<4
CAL group (Jerritt Cyn)	1043	WF-11903	W1155533	N412141	grab	dov1	1.120	34.40	0.010	126.00	0.327	17.100	13.20	6.920	<0.5	585.00	<0.25	8.100	0.694	2.41	0.628	<0.005	372	<4
CAL group (Jerritt Cyn)	1044	WF-11904	W1155634	N412126	grab	dov1	0.096	67.00	0.016	14.60	<0.1	1.140	5.58	1.590	<0.5	39.90	<0.25	0.174	<0.5	<1	<0.5	<0.005	3127	<4
CAL group (Jerritt Cyn)	1105	WF-11954	W1155545	N412123	grab	dov1	0.134	22.20	0.003	8.77	<0.1	4.160	139.00	1.830	<0.5	3.67	0.285	<0.1	1.100	1.14	<0.5	<0.005	2480	<4
CAL group (Jerritt Cyn)	1106	WF-11955	W1155557	N412144	grab	dov1	0.272	14.30	0.003	18.80	<0.1	3.820	8.65	2.240	<0.5	72.90	<0.25	0.562	<0.5	2.09	<0.5	<0.005	641	<4
CAL group (Jerritt Cyn)	1107	WF-11956	W1155456	N412144	grab	dov1	0.130	22.70	0.002	25.90	<0.1	3.450	3.10	1.970	<0.5	288.00	<0.25	0.244	<0.5	1.12	<0.5	<0.005	1113	<4
CAL group (Jerritt Cyn)	1108	WF-11957	W1155442	N412150	grab	dov1	0.047	2.13	0.002	6.16	<0.1	13.900	2.06	0.462	<0.5	12.80	<0.25	0.178	<0.5	<1	<0.5	<0.005	585	<4
CAL group (Jerritt Cyn)	1508	WF-12355	W1160003	N412602	grab	dov1	0.114	60.30	<0.001	9.63	0.116	14.500	2.40	1.190	<0.5	15.90	<0.25	0.158	<0.5	<1	<0.5	<0.005	46	NA
CAL group (Jerritt Cyn)	1689	WF-12550	W1160307	N412417	grab	dov1	0.017	<1	0.001	3.52	<0.1	15.300	1.14	<0.25	<0.5	5.63	<0.25	<0.1	<0.5	<1	<0.5	<0.005	113	NA
CAL group (Jerritt Cyn)	1690	WF-12551	W1160241	N412417	grab	dov1	0.030	31.00	0.079	7.37	<0.1	9.440	1.47	0.431	<0.5	15.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	243	NA
CAL group (Jerritt Cyn)	1691	WF-12552	W1160201	N412425	grab	dov1	0.022	1.42	0.002	5.69	<0.1	17.000	2.24	0.377	<0.5	9.42	<0.25	<0.1	<0.5	<1	<0.5	<0.005	90	NA
CAL group (Jerritt Cyn)	1692	WF-12553	W1160226	N412059	grab	soh1	0.135	78.70	0.421	12.90	0.962	5.300	5.88	42.600	<0.5	53.30	<0.25	0.347	0.543	<1	<0.5	<0.005	39464	NA
CAL group (Jerritt Cyn)	1693	WF-12554	W1160126	N412136	grab	dov1	0.033	2.28	0.001	7.46	<0.1	17.600	2.42	0.454	<0.5	15.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	288	NA
CAL group (Jerritt Cyn)	1694	WF-12555	W1160051	N412127	grab	dov1	0.028	1.07	0.003	6.92	<0.1	6.180	2.18	<0.25	<0.5	11.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1312	NA
CAL group (Jerritt Cyn)	1695	WF-12556	W1160136	N412213	grab	dov1	0.018	1.16	0.001	4.91	<0.1	14.900	1.82	<0.25	<0.5	6.12	<0.25	<0.1	<0.5	<1	<0.5	<0.005	638	NA
CAL group (Jerritt Cyn)	1696	WF-12557	W1160211	N412158	grab	dov1	0.025	1.62	0.001	5.89	<0.1	8.590	1.28	<0.25	<0.5	4.78	<0.25	<0.1	<0.5	<1	<0.5	<0.005	2480	NA
CAL group (Jerritt Cyn)	1701	WF-12562	W1160018	N411956	grab	soh1	0.111	30.30	0.097	7.34	1.440	15.500	10.80	180.000	<0.5	189.00	<0.25	0.717	0.511	<1	<0.5	<0.005	1944	NA
CAL group (Jerritt Cyn)	1702	WF-12563	W1160016	N411955	grab	soh1	0.043	9.33	0.026	2.37	0.680	3.900	2.45	154.000	<0.5	59.40	<0.25	0.625	<0.5	<1	<0.5	<0.005	29064	NA
CAL group (Jerritt Cyn)	1703	WF-12564	W1160039	N412018	grab	soh1	<0.015	3.14	0.001	1.12	0.148	1.470	1.09	13.500	<0.5	19.20	<0.25	0.555	<0.5	<1	<0.5	<0.005	186	NA
CAL group (Jerritt Cyn)	1704	WF-12565	W1160122	N412020	grab	oeq1	0.029	3.05	0.003	2.56	0.363	7.160	1.44	35.700	<0.5	50.80	<0.25	0.231	<0.5	<1	<0.5	<0.005	56402	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
CAL group (Jerritt Cyn)	1722	WF-12583	W1155959	N412607	grab	dov1	0.046	324.00	<0.001	18.00	0.396	9.780	1.63	3.670	<0.5	25.90	<0.25	0.145	<0.5	<1	<0.5	<0.005	99	NA
CAL group (Jerritt Cyn)	1723	WF-12584	W1160011	N412556	grab	dov1	0.085	434.00	0.003	28.80	0.528	18.000	3.02	7.490	<0.5	70.40	<0.25	0.341	<0.5	<1	<0.5	<0.005	289	NA
CAL group (Jerritt Cyn)	1724	WF-12585	W1160018	N412550	grab	dov1	<0.015	6.20	0.001	3.07	<0.1	9.380	0.59	1.310	<0.5	4.19	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
CAL group (Jerritt Cyn)	1725	WF-12586	W1160041	N412535	grab	dov1	0.048	50.10	0.001	25.40	<0.1	14.000	4.74	1.040	<0.5	682.00	<0.25	5.510	0.504	<1	<0.5	<0.005	1643	NA
CAL group (Jerritt Cyn)	1726	WF-12587	W1160043	N412527	grab	dov1	0.139	8.14	0.001	12.90	<0.1	19.100	2.85	1.710	<0.5	32.80	<0.25	0.276	0.958	<1	<0.5	<0.005	337	NA
CAP nos. 1-135	826	WF-11597	W1160120	N413528	grab	pms2	1.630	3.58	<0.001	30.20	<0.1	0.636	62.70	12.300	<0.5	70.80	<0.25	0.508	1.480	<1	<0.5	<0.005	1403	<4
CAP nos. 1-135	827	WF-11598	W1160125	N413530	grab	pms2	0.480	2.30	<0.001	5.26	<0.1	2.520	18.20	4.520	<0.5	28.10	<0.25	0.703	<0.5	1.17	<0.5	<0.005	385	<4
CAP nos. 1-135	828	WF-11599	W1155952	N413516	grab	pms2	0.824	5.16	<0.001	32.10	<0.1	6.360	11.70	2.060	<0.5	81.40	<0.25	0.351	2.120	<1	<0.5	<0.005	2904	<4
CAP nos. 1-135	829	WF-11600	W1155947	N413516	grab	pms2	0.940	3.63	<0.001	12.80	<0.1	0.583	29.00	6.980	<0.5	39.90	<0.25	0.319	0.888	<1	<0.5	<0.005	703	<4
CAP nos. 1-135	830	WF-11601	W1155939	N413515	grab	pms2	0.254	3.43	<0.001	4.62	<0.1	0.548	4.10	<0.25	<0.5	27.40	<0.25	0.183	<0.5	<1	<0.5	<0.005	712	32
CAP nos. 1-135	831	WF-11602	W1155938	N413505	grab	pms2	0.286	9.54	<0.001	42.10	<0.1	7.600	9.34	1.170	<0.5	34.50	<0.25	0.100	1.340	1.11	<0.5	<0.005	1585	<4
CAP nos. 1-135	832	WF-11603	W1155951	N413454	grab	pms2	0.132	9.59	0.001	36.30	<0.1	2.640	8.70	0.472	<0.5	84.90	<0.25	<0.1	2.160	<1	<0.5	<0.005	1435	<4
CAP nos. 1-135	833	WF-11604	W1155958	N413453	grab	pms2	0.208	1.87	0.004	63.90	<0.1	0.710	8.52	1.100	<0.5	80.20	<0.25	0.136	4.060	<1	<0.5	<0.005	9726	<4
CB nos.1-48 (Orvana)	536	WF-11390	W1155922	N414551	grab	dov3	0.384	14.80	0.002	11.20	0.737	0.969	4.98	11.200	<0.5	34.20	<0.25	0.254	<0.5	<1	<0.5	<0.005	1170	<4
CB nos.1-48 (Orvana)	537	WF-11391	W1155937	N414607	grab	dov3	0.980	40.50	0.011	6.54	0.283	8.370	17.00	14.300	<0.5	89.00	<0.25	0.550	<0.5	<1	<0.5	<0.005	337	<4
CB nos.1-48 (Orvana)	538	WF-11392	W1155931	N414609	grab	dov3	2.220	57.90	0.057	35.80	<0.1	0.905	29.20	17.800	<0.5	76.00	<0.25	0.481	<0.5	<1	<0.5	<0.005	375	<4
CB nos.1-48 (Orvana)	539	WF-11393	W1155926	N414605	grab	tvol	1.360	121.00	0.035	72.00	0.207	2.950	27.70	35.100	<0.5	155.00	<0.25	0.740	2.150	<1	<0.5	<0.005	<25	<4
CB nos.1-48 (Orvana)	540	WF-11394	W1155852	N414606	grab	dov3	0.137	288.00	0.054	19.20	0.104	1.270	3.83	13.700	<0.5	185.00	<0.25	<0.1	2.390	<1	<0.5	<0.005	710	<4
CB nos.1-48 (Orvana)	541	WF-11395	W1155852	N414606	grab	pvd3	0.048	309.00	0.049	6.17	0.952	7.620	74.40	51.500	<0.5	180.00	<0.25	0.478	<0.5	<1	<0.5	<0.005	113	<4
CB nos.1-48 (Orvana)	543	WF-11397	W1155917	N414526	grab	pvd3	0.043	11.00	0.001	3.29	<0.1	3.090	3.86	1.290	<0.5	10.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	39	4
CB nos. 1-9	1152	WF-12001	W1155656	N411709	grab	dov1	0.464	56.90	0.011	12.60	0.332	1.750	4.13	1.440	<0.5	17.10	<0.25	0.166	<0.5	0.95	<0.5	<0.005	3091	<4
CB nos. 1-9	1154	WF-12003	W1155724	N411721	grab	dov1	0.376	3.22	0.005	24.80	<0.1	1.630	2.59	0.885	<0.5	55.30	<0.25	0.720	<0.5	1.49	<0.5	<0.005	746	<4
CB nos. 1-9	1155	WF-12004	W1155633	N411723	grab	dov1	0.980	3.48	0.001	7.91	<0.1	1.890	5.47	0.752	<0.5	30.00	<0.25	0.282	<0.5	<1	<0.5	<0.005	458	<4
CBJ nos. 1-8	274	WF-9739	W1160959	N413912	chip	cpm3	3.990	4.47	4.750	6.36	<0.1	1.200	742.00	1.480	<0.5	18.70	<0.25	0.439	<0.5	<1	<0.5	<0.005	25	<4
CBJ nos. 1-8	275	WF-9740	W1160957	N413912	chip	cpm3	0.440	4.42	0.459	3.43	<0.1	0.482	26.90	0.310	<0.5	5.73	<0.25	<0.1	<0.5	<1	<0.5	<0.005	55	<4
CBJ nos. 1-8	276	WF-9741	W1160957	N413912	chip	cpm3	0.160	2.72	0.122	2.24	<0.1	0.496	36.20	<0.25	<0.5	4.35	<0.25	<0.1	<0.5	<1	<0.5	<0.005	14	<4
CBJ nos. 1-8	277	WF-9742	W1160957	N413912	chip	cpm3	0.566	3.62	0.396	3.04	<0.1	0.590	26.60	0.583	<0.5	4.84	<0.25	<0.1	<0.5	<1	<0.5	<0.005	17	<4
CBJ nos. 1-8	278	WF-9743	W1160954	N413916	grab	cpm3	2.230	34.90	1.000	43.30	1.300	1.340	4171.00	1.640	<0.5	153.00	<0.25	2.020	<0.5	<1	0.709	<0.005	27	<4
CBJ nos. 1-8	279	WF-9744	W1161001	N413912	chip	cpm3	0.076	2.01	0.004	3.16	<0.1	0.431	4.71	<0.25	<0.5	5.10	<0.25	0.147	<0.5	<1	<0.5	<0.005	4	<4
CBJ nos. 1-8	280	WF-9745	W1161001	N413912	chip	cpm3	0.080	2.00	0.006	2.48	<0.1	0.575	23.10	0.294	<0.5	7.11	<0.25	<0.1	<0.5	<1	<0.5	<0.005	6	<4
CBJ nos. 1-8	281	WF-9746	W1161001	N413912	chip	cpm3	9.140	106.00	14.800	29.00	0.590	1.440	5045.00	7.240	<0.5	324.00	<0.25	2.060	<0.5	<1	0.510	<0.005	13	<4
CBJ nos. 1-8	282	WF-9747	W1161001	N413912	chip	cpm3	0.410	6.95	0.507	4.65	<0.1	0.548	105.00	0.271	<0.5	19.30	<0.25	0.326	<0.5	<1	<0.5	<0.005	20	<4
CBJ nos. 1-8	283	WF-9748	W1161001	N413912	chip	cpm3	0.151	2.46	0.016	1.69	<0.1	0.526	19.50	0.366	<0.5	28.70	<0.25	0.857	<0.5	<1	<0.5	<0.005	156	<4
CBJ nos. 1-8	284	WF-9749	W1161001	N413912	grab	cpm3	0.078	<1	0.014	2.56	0.136	0.620	24.50	<0.25	<0.5	8.51	<0.25	0.172	<0.5	<1	<0.5	<0.005	151	<4
CBJ nos. 1-8	285	WF-9750	W1161001	N413912	chip	cpm3	0.037	<1	0.002	2.17	<0.1	0.436	3.19	<0.25	<0.5	2.21	<0.25	<0.1	<0.5	<1	<0.5	<0.005	44	<4
CC nos.1-365 (Orvana)	834	WF-11605	W1155926	N413430	grab	pms2	0.142	19.70	0.004	41.90	<0.1	0.697	22.40	1.240	<0.5	151.00	<0.25	0.149	1.080	<1	<0.5	<0.005	36395	<4
CC nos.1-365 (Orvana)	835	WF-11606	W1155916	N413444	grab	pms2	0.120	2.32	<0.001	7.10	<0.1	4.860	18.90	0.571	<0.5	53.50	<0.25	0.100	3.530	<1	<0.5	<0.005	801	<4
CC nos.1-365 (Orvana)	836	WF-11607	W1155859	N413517	grab	pms2	0.103	3.88	<0.001	47.70	<0.1	0.586	5.63	<0.25	<0.5	43.40	<0.25	<0.1	1.050	<1	<0.5	<0.005	9571	<4
CC nos.1-365 (Orvana)	837	WF-11608	W1155858	N413504	grab	pms2	0.169	4.79	<0.001	20.20	<0.1	0.858	7.72	0.726	<0.5	74.20	<0.25	0.216	2.730	0.96	<0.5	<0.005	1855	<4
CC nos.1-365 (Orvana)	838	WF-11609	W1155844	N413436	grab	pms2	0.095	4.33	0.002	15.30	<0.1	0.704	3.18	0.481	<0.5	24.50	0.250	<0.1	<0.5	<1	<0.5	<0.005	12104	<4
CC nos.1-365 (Orvana)	839	WF-11610	W1155901	N413423	grab	pms2	0.201	214.00	0.002	153.00	0.227	1.890	11.60	17.900	1.060	366.00	<0.25	0.256	0.663	1.44	0.647	<0.005	648	<4
CC nos.1-365 (Orvana)	840	WF-11615	W1155928	N413423	grab	pms2	0.068	12.70	0.002	36.80	<0.1	1.710	8.57	1.970	0.541	58.50	0.273	0.151	0.582	<1	<0.5	<0.005	9637	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
CP claims (Big Springs)	858	WF-11626	W1155439	N413552	grab	pmi2	0.158	18.80	<0.001	5.85	0.302	1.910	2.01	3.190	<0.5	21.10	<0.25	0.739	<0.5	<1	<0.5	<0.005	235	<4
CP claims (Big Springs)	859	WF-11627	W1155421	N413555	grab	pmi2	0.147	36.50	<0.001	5.50	1.180	1.370	3.33	10.500	<0.5	40.10	<0.25	0.284	<0.5	0.97	<0.5	<0.005	324	<4
CP claims (Big Springs)	860	WF-11628	W1155533	N413543	grab	pms2	0.128	4.50	0.003	14.20	<0.1	0.692	6.99	0.905	<0.5	54.40	<0.25	0.100	1.580	<1	<0.5	<0.005	719	<4
CP claims (Big Springs)	861	WF-11629	W1155508	N413608	grab	pms2	0.235	4.11	0.001	53.40	<0.1	0.651	3.98	0.685	<0.5	106.00	<0.25	<0.1	3.000	<1	<0.5	<0.005	11179	<4
CP claims (Big Springs)	862	WF-11630	W1155448	N413612	grab	pms2	0.067	<1	0.001	17.90	<0.1	0.703	3.01	0.468	<0.5	18.40	<0.25	<0.1	1.120	<1	<0.5	<0.005	21118	<4
CP claims (Big Springs)	1226	WF-12146	W1155800	N413728	grab	tvol	0.037	6.10	<0.001	4.46	<0.1	3.160	4.84	1.180	<0.5	35.10	<0.25	<0.1	1.200	<1	<0.5	<0.005	1047	NA
CP claims (Big Springs)	1227	WF-12147	W1155753	N413734	grab	tvol	0.033	6.11	<0.001	3.97	<0.1	2.690	5.90	0.938	<0.5	23.80	<0.25	0.131	1.660	<1	<0.5	<0.005	1401	NA
CP claims (Big Springs)	1228	WF-12148	W1155745	N413737	grab	pms2	0.066	1.57	0.004	60.40	<0.1	3.100	3.34	0.482	<0.5	40.50	<0.25	<0.1	0.975	<1	<0.5	<0.005	1981	NA
CP claims (Big Springs)	1229	WF-12149	W1155742	N413737	grab	pms2	0.032	1.92	<0.001	58.30	<0.1	9.800	11.00	0.467	<0.5	26.10	<0.25	<0.1	0.766	<1	<0.5	<0.005	1233	NA
CP claims (Big Springs)	1230	WF-12150	W1155734	N413734	grab	pms2	0.043	2.71	0.004	43.10	<0.1	2.710	6.42	0.436	<0.5	58.70	<0.25	<0.1	1.500	<1	<0.5	<0.005	2817	NA
CP claims (Big Springs)	1231	WF-12151	W1155728	N413732	grab	pms2	0.030	2.69	<0.001	5.13	<0.1	9.700	1.64	0.795	<0.5	3.96	<0.25	<0.1	<0.5	<1	<0.5	<0.005	525	NA
CP claims (Big Springs)	1232	WF-12152	W1155726	N413731	grab	pms2	0.063	2.22	0.006	93.90	<0.1	10.200	8.87	0.359	<0.5	55.00	<0.25	0.162	0.678	<1	<0.5	<0.005	16267	NA
CP claims (Big Springs)	1233	WF-12153	W1155707	N413722	grab	pms2	0.215	3.58	0.003	12.80	<0.1	8.630	6.91	0.891	<0.5	51.90	<0.25	0.185	1.300	<1	<0.5	<0.005	707	NA
CP claims (Big Springs)	1234	WF-12154	W1155817	N413656	grab	pms2	0.364	2.12	0.002	25.70	<0.1	12.800	2.54	0.401	<0.5	40.70	<0.25	0.133	<0.5	1.75	<0.5	<0.005	2173	NA
CP claims (Big Springs)	1235	WF-12155	W1155806	N413653	grab	pms2	0.220	1.19	<0.001	3.23	<0.1	5.790	1.54	0.330	<0.5	29.10	<0.25	1.090	<0.5	<1	<0.5	<0.005	428	NA
CP claims (Big Springs)	1236	WF-12156	W1155802	N413652	grab	pms2	0.048	1.72	0.006	17.20	<0.1	7.050	4.94	0.488	<0.5	59.00	<0.25	<0.1	2.270	<1	<0.5	<0.005	2694	NA
CP claims (Big Springs)	1237	WF-12157	W1155751	N413648	grab	pms2	0.057	1.12	0.004	26.30	<0.1	11.000	2.72	0.512	<0.5	28.50	<0.25	<0.1	0.924	<1	<0.5	<0.005	12632	NA
CP claims (Big Springs)	1238	WF-12158	W1155744	N413645	grab	pms2	0.038	1.82	<0.001	11.00	<0.1	12.200	2.31	0.480	<0.5	20.10	<0.25	<0.1	0.974	<1	<0.5	<0.005	5007	NA
CP claims (Big Springs)	1239	WF-12159	W1155730	N413648	grab	pms2	0.062	3.73	<0.001	11.80	<0.1	3.190	16.00	0.651	<0.5	51.70	<0.25	0.184	6.490	<1	<0.5	<0.005	4086	NA
CP claims (Big Springs)	1240	WF-12160	W1155719	N413637	grab	pms2	0.790	2.59	0.001	37.60	<0.1	5.040	3.22	0.571	<0.5	72.80	<0.25	<0.1	1.500	1.59	<0.5	<0.005	16202	NA
CP claims (Big Springs)	1241	WF-12161	W1155626	N413635	grab	pms2	0.158	4.97	0.002	24.20	<0.1	10.700	6.66	1.280	<0.5	75.90	<0.25	0.357	1.520	<1	<0.5	<0.005	1023	NA
CP claims (Big Springs)	1242	WF-12162	W1155615	N413636	grab	pms2	0.161	5.88	0.002	32.90	<0.1	7.090	8.37	1.370	<0.5	110.00	<0.25	0.380	2.900	<1	<0.5	<0.005	1111	NA
CP claims (Big Springs)	1243	WF-12163	W1155607	N413635	grab	pms2	0.125	1.07	0.005	14.40	<0.1	13.400	2.84	0.483	<0.5	22.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	456	NA
CP claims (Big Springs)	1244	WF-12164	W1155556	N413634	grab	pms2	0.116	1.20	0.004	20.60	<0.1	10.800	3.44	0.442	<0.5	22.40	<0.25	<0.1	0.628	<1	<0.5	<0.005	549	NA
CP claims (Big Springs)	1245	WF-12165	W1155551	N413633	grab	pms2	0.171	1.39	0.010	21.80	<0.1	10.400	5.96	0.368	<0.5	29.80	<0.25	<0.1	0.838	<1	<0.5	<0.005	685	NA
CP claims (Big Springs)	1246	WF-12166	W1155602	N413718	grab	pms2	0.164	7.10	0.002	10.20	<0.1	9.390	5.00	0.709	<0.5	28.90	<0.25	0.114	<0.5	<1	<0.5	<0.005	432	NA
CP claims (Big Springs)	1247	WF-12167	W1155555	N413709	grab	pms2	0.090	1.35	0.004	34.30	<0.1	8.050	4.12	0.442	<0.5	54.80	<0.25	<0.1	2.810	<1	<0.5	<0.005	21376	NA
CP claims (Big Springs)	1248	WF-12168	W1155550	N413707	grab	pms2	0.168	1.90	0.004	142.00	<0.1	6.880	2.83	0.385	<0.5	76.10	<0.25	0.139	2.050	<1	<0.5	<0.005	8420	NA
CP claims (Big Springs)	1249	WF-12169	W1155540	N413655	grab	pms2	0.097	1.25	0.004	17.80	<0.1	12.000	2.92	0.594	<0.5	23.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	493	NA
CP claims (Big Springs)	1250	WF-12170	W1155533	N413649	grab	pms2	0.990	1.03	0.003	20.90	<0.1	10.300	2.84	1.240	<0.5	23.90	<0.25	<0.1	1.000	<1	<0.5	<0.005	450	NA
CP claims (Big Springs)	1319	WF-12194	W1155528	N413646	grab	pms2	0.223	6.71	0.006	35.40	<0.1	8.110	9.87	1.810	<0.5	108.00	<0.25	0.378	3.510	<1	<0.5	<0.005	1604	NA
CP claims (Big Springs)	1324	WF-12199	W1155553	N413554	grab	pms2	0.111	7.61	<0.001	10.30	<0.1	12.600	4.74	0.892	<0.5	23.80	<0.25	0.227	<0.5	<1	<0.5	<0.005	732	NA
CP claims (Big Springs)	1325	WF-12200	W1155545	N413604	grab	pms2	0.130	4.87	0.001	7.57	<0.1	14.400	3.83	0.934	<0.5	10.30	<0.25	0.107	<0.5	<1	<0.5	<0.005	9323	NA
CP claims (Big Springs)	1326	WF-12201	W1155537	N413610	grab	pms2	0.177	6.44	0.001	9.53	<0.1	14.500	4.06	0.767	<0.5	11.30	<0.25	0.121	<0.5	<1	<0.5	<0.005	768	NA
CP claims (Big Springs)	1327	WF-12202	W1155528	N413620	grab	pms2	0.260	8.29	<0.001	8.46	<0.1	12.200	4.47	0.775	<0.5	6.73	<0.25	0.111	<0.5	<1	<0.5	<0.005	6230	NA
CP claims (Big Springs)	1328	WF-12203	W1155520	N413628	grab	pms2	0.503	24.90	0.001	39.80	0.114	14.300	8.75	1.430	<0.5	20.80	<0.25	0.106	<0.5	2.09	<0.5	<0.005	601	NA
CP claims (Big Springs)	1329	WF-12204	W1155513	N413633	grab	pms2	0.395	9.14	<0.001	10.50	<0.1	15.000	6.51	0.775	<0.5	7.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	977	NA
CP claims (Big Springs)	1330	WF-12205	W1155503	N413714	grab	pms2	0.044	1.79	0.003	17.00	<0.1	14.100	2.20	0.422	<0.5	12.40	<0.25	<0.1	<0.5	<1	<0.5	<0.005	662	NA
CP claims (Big Springs)	1331	WF-12206	W1155501	N413711	grab	pms2	0.154	6.38	0.001	22.10	<0.1	9.210	7.01	1.780	<0.5	55.20	<0.25	0.222	1.380	<1	<0.5	<0.005	796	NA
CP claims (Big Springs)	1332	WF-12207	W1155509	N413654	grab	pms2	0.064	4.06	0.005	25.50	<0.1	13.800	4.02	0.604	<0.5	23.30	<0.25	<0.1	0.627	<1	<0.5	<0.005	675	NA
CP claims (Big Springs)	1333	WF-12208	W1155503	N413643	grab	pms2	0.148	4.57	<0.001	6.45	<0.1	12.800	3.21	0.657	<0.5	14.50	<0.25	<0.1	<0.5	1.23	<0.5	<0.005	12173	NA
CP claims (Big Springs)	1334	WF-12209	W1155631	N413530	grab	pms2	0.033	1.25	0.001	24.90	<0.1	14.900	18.00	0.711	<0.5	63.00	<0.25	0.230	1.440	<1	<0.5	<0.005	13266	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
CP claims (Big Springs)	1622	WF-12505	W1155425	N413709	grab	pms2	0.101	1.28	0.001	13.50	<0.1	13.300	3.56	0.503	<0.5	22.00	<0.25	<0.1	0.760	<1	<0.5	<0.005	858	NA
CP claims (Big Springs)	1623	WF-12506	W1155345	N413630	grab	tvol	0.027	<1	0.001	6.43	<0.1	1.500	2.12	0.425	<0.5	44.30	<0.25	0.194	3.490	<1	<0.5	<0.005	2063	NA
California and Revenue (patented)	673	WF-11130	W1160753	N414116	select	ccm3	690.000	205.00	1.130	1006.00	6.040	11.800	97087.00	863.000	<0.5	32200.00	<0.25	334.000	<0.5	<1	<0.5	<0.005	393	<4
California and Revenue (patented)	674	WF-11131	W1160753	N414116	grab	ccm3	3.780	14.20	0.008	17.70	0.110	0.876	883.00	18.700	0.810	398.00	<0.25	26.100	<0.5	<1	<0.5	<0.005	52	240
California and Revenue (patented)	675	WF-11132	W1160753	N414114	grab	ccm3	5.650	37.50	0.013	9.61	<0.1	1.560	678.00	17.300	<0.5	422.00	<0.25	28.700	<0.5	<1	<0.5	<0.005	3919	<4
California and Revenue (patented)	676	WF-11133	W1160753	N414114	grab	ccm3	2.570	12.90	0.010	5.59	<0.1	12.000	268.00	5.050	<0.5	67.50	<0.25	4.270	<0.5	<1	<0.5	<0.005	63	<4
Capital Prize nos. 1-27	1421	WF-12285	W1161116	N413702	grab	pms3	0.086	1.74	0.005	22.30	<0.1	1.850	6.43	0.328	<0.5	63.90	<0.25	0.131	10.400	<1	<0.5	<0.005	4599	NA
Capital Prize nos. 1-27	1422	WF-12286	W1161115	N413709	grab	pms3	0.540	86.60	0.017	13.40	<0.1	3.720	17.10	3.850	<0.5	60.30	<0.25	<0.1	3.690	1.63	<0.5	<0.005	1038	NA
Capital Prize nos. 1-27	1423	WF-12287	W1161116	N413714	grab	pms3	0.290	66.30	0.026	24.40	<0.1	7.090	5.43	3.580	<0.5	19.60	<0.25	<0.1	1.110	<1	<0.5	<0.005	7858	NA
Capital Prize nos. 1-27	1424	WF-12288	W1161117	N413720	grab	pms3	0.041	5.53	0.003	13.40	<0.1	8.810	1.98	3.820	<0.5	36.50	<0.25	0.104	<0.5	<1	<0.5	<0.005	638	NA
Capital Prize nos. 1-27	1425	WF-12289	W1161117	N413725	grab	pms3	0.045	9.56	0.004	22.50	<0.1	6.320	2.58	0.742	<0.5	32.90	<0.25	<0.1	1.180	<1	<0.5	<0.005	540	NA
Capital Prize nos. 1-27	1426	WF-12290	W1161114	N413727	grab	pms3	0.081	123.00	0.007	9.51	<0.1	7.310	4.10	1.760	<0.5	41.60	<0.25	0.119	<0.5	<1	<0.5	<0.005	357	NA
Capital Prize nos. 1-27	1427	WF-12291	W1161113	N413739	grab	pms3	0.058	13.50	0.004	1.94	<0.1	7.100	2.45	0.664	<0.5	7.07	<0.25	<0.1	1.470	<1	<0.5	<0.005	<25	NA
Capital Prize nos. 1-27	1428	WF-12292	W1161117	N413742	grab	pms3	0.751	36.00	0.017	44.80	<0.1	5.160	11.00	6.040	<0.5	61.20	<0.25	0.162	5.890	<1	<0.5	<0.005	136	NA
Capital Prize nos. 1-27	1429	WF-12293	W1161113	N413737	grab	pms3	0.106	3.78	0.005	26.00	<0.1	7.830	2.34	1.050	<0.5	29.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	74	NA
Capital Prize nos. 1-27	1430	WF-12294	W1161113	N413744	grab	pms3	0.048	2.52	0.004	9.68	<0.1	7.400	72.50	0.751	<0.5	56.30	0.420	0.107	1.320	<1	<0.5	<0.005	201	NA
Capital Prize nos. 1-27	1431	WF-12295	W1161113	N413747	grab	ccm3	0.027	7.80	0.003	4.61	<0.1	8.330	12.70	0.677	<0.5	18.70	<0.25	<0.1	0.624	<1	<0.5	<0.005	99	NA
Carlin-Gold Quarry	339	WF-10876	4/	4/	select	4/	0.682	241.00	0.734	41.50	2.880	20.600	22.30	62.500	<0.5	69.60	4.010	3.860	0.722	3.70	<0.5	<0.005	3923	4
Carlin-Rain Deposit	340	WF-10877	4/	4/	select	4/	0.168	414.00	0.081	31.40	11.200	2.150	7.82	31.600	0.697	18.80	<0.25	<0.1	1.790	1.97	<0.5	<0.005	135963	<4
Choriso claims	1454	WF-12318	W1155559	N413333	grab	ccm2	0.021	2.42	0.001	2.21	<0.1	0.377	2.47	1.060	<0.5	13.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	92	NA
Choriso claims	1455	WF-12319	W1155510	N413327	grab	ccm2	<0.015	0.95	<0.001	2.58	<0.1	0.489	2.97	0.373	<0.5	10.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	304	NA
Columbia-Infidel (patented)	182	WF-9673	W1160415	N414058	grab	oaf3	0.365	365.00	0.032	22.00	0.186	1.660	6.40	13.800	<0.5	13.60	<0.25	<0.1	0.748	<1	<0.5	<0.005	1929	4
Columbia-Infidel (patented)	183	WF-9674	W1160415	N414058	grab	oaf3	4.800	67.50	0.005	7.41	0.404	0.426	10.30	6.160	<0.5	32.70	<0.25	0.359	<0.5	<1	<0.5	<0.005	2995	8
Columbia-Infidel (patented)	221	WF-9712	W1160419	N414101	grab	oaf3	1.790	24.00	0.011	13.50	<0.1	1.020	53.20	5.520	<0.5	46.90	<0.25	0.337	0.557	<1	<0.5	<0.005	557	<4
Columbia-Infidel (patented)	222	WF-9713	W1160416	N414056	grab	oaf3	93.100	192.00	0.200	148.00	1.640	3.870	533.00	141.000	<0.5	294.00	<0.25	5.030	<0.5	8.10	<0.5	<0.005	3617	8
Columbia-Infidel (patented)	223	WF-9714	W1160418	N414058	grab	oaf3	363.000	107.00	0.298	310.00	2.780	1.840	1120.00	149.000	<0.5	445.00	<0.25	37.500	<0.5	2.69	0.517	<0.005	849	4
Columbia-Infidel (patented)	224	WF-9715	W1160419	N414056	grab	oaf3	121.000	177.00	0.158	120.00	0.956	2.690	386.00	78.300	<0.5	366.00	<0.25	4.010	<0.5	3.01	<0.5	<0.005	2669	4
DC claims	1705	WF-12566	W1160611	N411722	grab	dov1	0.071	92.00	0.001	16.20	0.792	17.700	4.47	30.300	<0.5	42.70	0.245	0.169	0.720	<1	<0.5	<0.005	907	NA
DC claims	1706	WF-12567	W1160612	N411718	grab	tvol	0.047	31.70	<0.001	2.75	<0.1	2.240	2.68	3.390	<0.5	31.90	<0.25	0.127	1.920	<1	<0.5	<0.005	1610	NA
DC claims	1707	WF-12568	W1160556	N411706	grab	dov1	0.189	20.30	0.002	13.30	0.646	18.100	4.23	7.670	<0.5	19.90	0.241	0.223	0.744	<1	<0.5	<0.005	1585	NA
DG claims	117	WF-9615	W1160142	N413929	grab	pms2	0.092	20.30	0.002	19.80	0.166	0.581	4.04	1.450	<0.5	14.00	<0.25	<0.1	0.485	<1	<0.5	<0.005	3602	<4
DG claims	118	WF-9616	W1160137	N413925	grab	pms2	0.123	43.00	0.003	62.10	0.804	0.745	4.72	2.190	<0.5	108.00	<0.25	0.111	<0.5	<1	<0.5	<0.005	3212	<4
DG claims	119	WF-9617	W1160140	N413927	grab	pms2	0.283	188.00	0.374	74.00	0.714	2.910	3.83	4.220	<0.5	84.80	<0.25	0.636	<0.5	<1	<0.5	<0.005	3190	<4
DG claims	1654	WF-12484	W1160301	N413850	grab	pms2	0.051	1.62	<0.001	3.34	<0.1	11.700	1.52	0.381	<0.5	4.89	<0.25	<0.1	<0.5	<1	<0.5	<0.005	448	NA
DG claims	1655	WF-12485	W1160236	N413851	grab	pms2	0.218	5.36	0.001	5.89	<0.1	9.820	2.61	0.253	<0.5	9.75	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1389	NA
DG claims	1656	WF-12486	W1160236	N413851	grab	tvol	0.020	196.00	0.002	10.60	0.357	15.700	2.21	0.711	<0.5	15.30	0.263	<0.1	<0.5	<1	<0.5	<0.005	1842	NA
DG claims	1657	WF-12487	W1160154	N413920	grab	pms2	0.353	<1	0.026	133.00	<0.1	6.390	2.22	2.600	<0.5	34.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	2044	NA
DGX claims	112	WF-9610	W1160151	N413948	grab	pms2	0.404	472.00	0.107	60.90	0.571	2.210	13.20	6.530	<0.5	85.50	<0.25	0.364	<0.5	2.46	<0.5	<0.005	3320	<4
DGX claims	113	WF-9611	W1160151	N413948	grab	pms2	0.268	195.00	0.270	23.20	0.433	1.420	9.67	4.440	<0.5	68.80	<0.25	0.418	0.900	<1	<0.5	<0.005	1663	<4
DGX claims	114	WF-9612	W1160144	N413950	grab	pms2	0.200	100.00	0.027	43.50	0.160	0.634	4.52	2.750	<0.5	62.70	<0.25	0.180	<0.5	<1	<0.5	<0.005	3313	<4
DGX claims	115	WF-9613	W1160134	N413946	grab	pms2	0.186	65.80	0.088	24.60	0.623	1.360	4.69	12.500	<0.5	28.10	<0.25	0.247	<0.5	<1	<0.5	<0.005	1394	<4
DGX claims	116	WF-9614	W1160145	N413934	grab	pms2	0.470	431.00	0.231	65.90	0.424	2.440	23.00	17.300	0.557	108.00	<0.25	0.392	0.474	1.28	<0.5	<0.005	1592	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
DGX claims	602	WF-11097	W1160110	N413929	grab	tvol	0.381	3.07	0.001	6.58	<0.1	0.298	5.01	8.380	<0.5	20.70	<0.25	<0.1	1.660	<1	<0.5	<0.005	1316	<4
DGX claims	603	WF-11098	W1160118	N413923	grab	pms2	0.307	4.88	0.002	56.20	0.226	3.460	5.77	6.370	<0.5	42.50	<0.25	0.135	1.450	1.70	<0.5	<0.005	3061	<4
DGX claims	604	WF-11099	W1160120	N413926	grab	pms2	0.369	88.20	0.025	33.90	1.240	0.830	3.99	8.790	<0.5	11.90	<0.25	<0.1	0.757	<1	<0.5	<0.005	1964	<4
DGX claims	1658	WF-12488	W1160128	N413916	grab	pms2	0.240	20.70	0.046	271.00	0.145	9.180	10.30	5.070	<0.5	261.00	<0.25	0.197	0.599	1.76	<0.5	<0.005	1528	NA
DGX claims	1659	WF-12489	W1160140	N413847	grab	pms2	0.119	8.96	0.002	9.52	<0.1	5.160	4.30	0.681	<0.5	9.84	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1225	NA
DGX claims	1660	WF-12490	W1160200	N413848	grab	pms2	0.047	10.80	<0.001	5.47	<0.1	10.300	2.27	1.010	<0.5	4.40	1.070	<0.1	<0.5	<1	<0.5	<0.005	866	NA
DGX claims	1661	WF-12491	W1160211	N413845	grab	pms2	0.109	6.29	0.001	6.20	<0.1	6.270	1.69	0.842	<0.5	2.82	<0.25	<0.1	<0.5	<1	<0.5	<0.005	464	NA
Damn claims	1698	WF-12559	W1160510	N411802	grab	dov1	0.047	4.94	0.005	4.88	2.380	9.630	2.13	1170.000	<0.5	13.90	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1900	NA
Damn claims	1699	WF-12560	W1160502	N411758	grab	dov1	0.038	7.66	0.001	6.34	1.020	15.100	1.60	171.000	<0.5	6.54	<0.25	<0.1	<0.5	<1	<0.5	<0.005	527	NA
Damn claims	1700	WF-12561	W1160502	N411750	grab	dov1	0.129	7.83	0.001	31.80	<0.1	13.200	2.94	25.800	<0.5	147.00	<0.25	0.752	<0.5	1.99	<0.5	<0.005	406	NA
Delta claims	1624	WF-12507	W1155328	N413513	grab	qal2	0.128	27.50	<0.001	13.30	<0.1	9.280	5.12	3.990	<0.5	43.40	<0.25	0.146	0.817	<1	<0.5	<0.005	499	NA
Doby George project (Pay Day nos.1-40)	177	WF-9668	W1160508	N414034	grab	cpm3	1.120	32.00	0.025	9.13	<0.1	0.496	34.30	0.329	<0.5	30.50	<0.25	0.513	0.850	<1	<0.5	<0.005	230	<4
Doby George project (Pay Day nos.1-40)	178	WF-9669	W1160512	N414032	grab	cpm3	0.106	66.00	<0.001	11.90	0.980	0.636	7.20	8.500	<0.5	23.50	<0.25	0.105	0.726	<1	<0.5	<0.005	724	<4
Doby George project (Pay Day nos.1-40)	219	WF-9710	W1160424	N414103	grab	oaf3	0.922	91.90	0.006	60.90	0.188	0.879	43.10	15.000	<0.5	113.00	<0.25	0.700	0.839	1.03	<0.5	<0.005	304	<4
Doby George project (Pay Day nos.1-40)	220	WF-9711	W1160420	N414105	grab	oaf3	2.730	83.50	0.063	8.00	0.107	1.350	20.20	5.790	<0.5	66.50	<0.25	0.295	<0.5	<1	<0.5	<0.005	83	4
Doby George project (Pay Day nos.1-40)	269	WF-9734	W1160411	N414044	grab	pms2	1.190	14.80	0.008	72.20	<0.1	1.270	16.40	1.720	<0.5	43.50	<0.25	0.145	2.680	<1	<0.5	<0.005	2540	<4
Doby George project (Independence)	270	WF-9735	W1160403	N414047	grab	pms2	0.599	8.16	0.007	116.00	<0.1	1.010	13.10	0.821	<0.5	40.70	<0.25	0.152	5.660	<1	<0.5	<0.005	423	<4
Doby George project (Independence)	271	WF-9736	W1160403	N414047	grab	pms2	0.194	232.00	0.202	3.49	<0.1	0.531	3.17	0.793	<0.5	23.00	<0.25	0.238	0.521	<1	<0.5	<0.005	44	8
Doby George project (Doby nos.1-40)	272	WF-9737	W1160348	N414019	grab	pms2	0.258	5.91	0.002	73.80	<0.1	0.725	7.64	<0.25	<0.5	9.10	<0.25	0.202	1.820	<1	<0.5	<0.005	629	<4
Doby George project (Doby nos.1-40)	273	WF-9738	W1160432	N414046	grab	pms2	178.000	79.70	0.131	34.90	<0.1	1.020	611.00	73.400	<0.5	60.00	<0.25	0.663	<0.5	<1	<0.5	<0.005	48	<4
Doby George project (Sidewalk Blonde)	611	WF-11425	W1160417	N413951	grab	tvol	0.171	3.25	0.001	2.49	<0.1	0.274	6.47	92.600	<0.5	20.60	<0.25	<0.1	2.020	<1	<0.5	<0.005	1734	<4
Doby George project (Sidewalk Blonde)	612	WF-11426	W1160359	N413945	grab	tvol	0.087	3.39	0.001	2.11	<0.1	1.570	6.93	46.000	<0.5	17.40	<0.25	<0.1	1.970	<1	<0.5	<0.005	1654	<4
Doby George project (Doby nos.1-40)	613	WF-11427	W1160334	N413943	grab	pms2	0.143	31.50	0.023	61.80	<0.1	8.770	5.65	39.800	<0.5	53.30	<0.25	0.980	1.570	<1	<0.5	<0.005	1135	<4
Doby George project (Doby nos.1-40)	614	WF-11428	W1160334	N413943	grab	pms2	0.481	49.70	0.051	46.20	<0.1	1.110	45.50	24.300	<0.5	67.30	<0.25	0.341	2.140	<1	<0.5	<0.005	2529	<4
Doby George project (Doby nos.1-40)	615	WF-11429	W1160333	N413947	grab	pms2	3.490	42.40	0.017	49.70	<0.1	1.280	7.24	1798.000	<0.5	61.70	<0.25	<0.1	2.500	0.96	<0.5	<0.005	2271	<4
Doby George project (Doby nos.1-40)	616	WF-11106	W1160331	N413942	grab	pms2	0.368	102.00	0.181	35.40	0.480	1.100	8.41	11.000	<0.5	75.60	<0.25	0.448	1.540	<1	<0.5	<0.005	1557	<4
EB claims	1370	WF-12234	W1155819	N413133	select	dov1	<0.015	50.10	0.028	3.20	11.200	3.900	4.30	62400.000	<0.5	<1	<0.25	<0.1	<0.5	11.40	<0.5	<0.005	355053	NA
EB claims	1371	WF-12235	W1155819	N413133	grab	dov1	0.133	222.00	0.054	7.48	10.600	13.900	7.31	642.000	2.640	9.23	<0.25	0.103	0.804	<1	<0.5	<0.005	29213	NA
EB claims	1373	WF-12237	W1155730	N413124	grab	dov1	0.169	294.00	0.004	21.00	7.490	8.510	4.25	318.000	0.671	50.90	<0.25	0.239	0.892	1.13	<0.5	<0.005	835	NA
EB claims	1374	WF-12238	W1155727	N413132	grab	dov1	0.253	715.00	0.003	14.20	2.680	9.340	5.09	48.700	<0.5	151.00	<0.25	<0.1	9.460	<1	<0.5	<0.005	16282	NA
EB claims	1377	WF-12241	W1155822	N413138	grab	dov1	0.048	98.40	0.004	3.44	0.347	9.780	1.86	6.030	<0.5	1.34	<0.25	<0.1	<0.5	<1	<0.5	<0.005	68	NA
EB claims	1382	WF-12246	W1155748	N413228	grab	dov1	0.150	17.80	<0.001	4.75	<0.1	13.800	3.58	<0.25	<0.5	<1	<0.25	<0.1	8.360	<1	<0.5	<0.005	<25	NA
EB claims	1610	WF-12471	W1155745	N413119	grab	dov1	0.120	212.00	0.015	25.30	9.360	7.890	14.20	32.900	2.040	103.00	<0.25	0.326	0.742	1.05	<0.5	<0.005	2030	NA
EB claims	1611	WF-12472	W1155733	N413132	grab	dov1	0.328	302.00	0.008	48.70	4.590	7.700	8.48	25.900	3.040	26.00	<0.25	0.143	1.140	1.72	<0.5	<0.005	852	NA
Echo Canyon mine	25	WF-9523	W1161006	N414108	select	cpm3	12.700	18.00	1.280	248.00	<0.1	<0.1	7160.00	10.400	<0.5	129.00	<0.25	6.070	<0.5	<1	<0.5	<0.005	132	4
Echo Canyon mine	26	WF-9524	W1160959	N414107	grab	cpm3	0.475	127.00	0.174	13.80	0.129	0.878	26.70	7.390	<0.5	13.40	<0.25	0.123	<0.5	<1	<0.5	<0.005	726	<4
Echo Canyon mine	70	WF-9568	W1161000	N414112	grab	cpm3	0.086	7.87	<0.001	3.25	<0.1	0.838	3.60	0.932	<0.5	6.40	<0.25	<0.1	<0.5	<1	<0.5	<0.005	29	<4
Echo Canyon mine	71	WF-9569	W1161017	N414115	chip	cpm3	0.854	21.70	0.021	11.20	<0.1	<0.1	31.70	5.790	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	913	4
Echo Canyon mine	72	WF-9570	W1161017	N414115	chip	cpm3	1.180	227.00	<0.001	58.80	1.690	5.790	250.00	12.000	5.980	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	780	4
Ed claims (Jerritt Cyn)	946	WF-11815	W1155816	N411838	grab	dov1	1.670	11.90	0.005	86.00	0.449	27.700	5.56	16.800	<0.5	85.00	<0.25	4.910	0.573	11.35	<0.5	<0.005	3663	<4
Ed claims (Jerritt Cyn)	1125	WF-11974	W1155813	N411841	grab	dov1	0.082	1.77	0.002	14.40	<0.1	0.656	3.21	0.697	<0.5	116.00	<0.25	0.451	0.770	<1	<0.5	<0.005	1146	<4
Ed claims (Jerritt Cyn)	1128	WF-11977	W1155700	N411804	grab	dov1	0.318	321.00	0.006	85.20	<0.1	7.750	6.49	11.900	<0.5	650.00	<0.25	2.540	<0.5	1.25	0.599	<0.005	102560	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Ed claims (Jerritt Cyn)	1135	WF-11984	W1155820	N411951	select	dov1	0.378	6.70	0.004	12.10	0.279	13.600	64.40	1.700	<0.5	18.50	<0.25	0.422	<0.5	<1	<0.5	<0.005	1129	<4
Ed claims (Jerritt Cyn)	1139	WF-11988	W1155822	N411812	grab	dov1	<0.015	1.01	<0.001	75.90	<0.1	0.249	0.26	<0.25	<0.5	58.20	<0.25	0.138	8.820	<1	<0.5	<0.005	4782	<4
Ed claims (Jerritt Cyn)	1142	WF-11991	W1155904	N411746	grab	dov1	0.071	7.09	<0.001	7.51	<0.1	4.050	2.05	3.420	<0.5	125.00	<0.25	4.730	<0.5	1.20	<0.5	<0.005	2495	<4
Ed claims (Jerritt Cyn)	1172	WF-12030	W1155809	N411749	grab	dov1	3.490	86.10	0.027	330.00	0.621	70.900	25.40	17.100	<0.5	28.50	<0.25	0.222	3.270	5.30	<0.5	<0.005	421	<4
Ed claims (Jerritt Cyn)	1173	WF-12031	W1155808	N411748	grab	dov1	2.830	28.50	0.027	159.00	1.140	33.200	27.90	10.700	<0.5	8.60	<0.25	0.161	1.360	8.38	<0.5	<0.005	593	<4
Edward claims	229	WF-10799	W1160201	N414820	grab	dov3	0.427	23.10	0.011	43.10	0.423	13.200	17.20	15.800	<0.5	44.00	<0.25	0.162	1.010	2.62	<0.5	<0.005	547	8
Edward claims	463	WF-11008	W1160306	N414802	grab	dov3	0.254	25.30	0.028	20.40	0.195	14.900	18.40	7.380	<0.5	11.10	<0.25	0.176	<0.5	<1	<0.5	<0.005	63	<4
Edward claims	1581	WF-12445	W1160634	N414647	grab	dov3	0.051	1.77	0.002	3.96	<0.1	7.980	2.19	2.380	<0.5	4.39	<0.25	<0.1	<0.5	<1	<0.5	<0.005	77	NA
Edward claims	1582	WF-12446	W1160621	N414701	grab	dov3	0.029	<1	0.003	2.81	<0.1	17.500	2.11	1.230	<0.5	3.08	<0.25	<0.1	<0.5	<1	<0.5	<0.005	34	NA
Edward claims	1583	WF-12447	W1160557	N414741	grab	dov3	0.064	1.64	<0.001	2.63	<0.1	8.190	2.65	2.770	<0.5	3.63	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Estella nos. 1 and 2	146	WF-9643	W1160257	N414133	grab	oaf3	1.090	14.90	0.001	39.90	<0.1	1.040	30.30	2.230	<0.5	15.30	<0.25	0.182	1.470	1.42	<0.5	<0.005	281	<4
Estella nos. 1 and 2	147	WF-9644	W1160257	N414134	select	oaf3	9.530	42.10	0.001	27.20	<0.1	1.950	110.00	20.500	<0.5	124.00	<0.25	1.850	<0.5	<1	<0.5	<0.005	145	4
Estella nos. 1 and 2	251	WF-9716	W1160303	N414135	chip	oaf3	36.400	92.10	0.059	75.80	0.179	1.490	904.00	68.800	<0.5	768.00	<0.25	2.170	<0.5	<1	<0.5	<0.005	163	<4
Estella nos. 1 and 2	252	WF-9717	W1160303	N414135	select	oaf3	288.000	100.00	0.046	74.70	1.140	6.790	33900.00	209.000	<0.5	483.00	7.080	7.480	<0.5	<1	<0.5	<0.005	23	<4
Estella nos. 1 and 2	253	WF-9718	W1160306	N414144	select	kjd3	1.720	4.96	0.053	67.10	<0.1	0.587	195.00	2.270	<0.5	50.90	0.454	<0.1	6.280	<1	<0.5	<0.005	904	<4
Estella nos. 1 and 2	254	WF-9719	W1160306	N414144	select	oaf3	1.240	1056.00	0.064	10.10	<0.1	0.877	91.80	3.840	<0.5	51.30	<0.25	0.185	<0.5	<1	<0.5	<0.005	923	4
Estella nos. 1 and 2	255	WF-9720	W1160305	N414146	grab	oaf3	0.740	31.10	6.520	15.70	<0.1	0.306	29.40	4.690	<0.5	18.50	59.000	<0.1	1.160	<1	10.100	<0.005	169	<4
FC claims (Fawn Creek)	400	WF-10937	W1160611	N414919	grab	ppr3	0.861	48.80	0.015	19.20	2.110	1.460	39.30	33.900	<0.5	5.68	<0.25	0.288	<0.5	<1	<0.5	<0.005	16166	<4
FC claims (Fawn Creek)	451	WF-10989	W1160515	N414944	grab	ppr3	0.385	92.50	0.010	8.24	0.614	1.390	7.58	9.140	<0.5	7.90	<0.25	0.575	<0.5	<1	<0.5	<0.005	456	<4
FC claims (Fawn Creek)	556	WF-11405	W1160457	N414934	grab	pmc3	0.105	90.20	0.010	58.70	0.116	1.130	3.99	11.700	<0.5	72.00	<0.25	<0.1	0.812	<1	<0.5	<0.005	1038	<4
FC claims (Fawn Creek)	557	WF-11406	W1160458	N414932	grab	pmc3	0.980	32.60	0.003	67.90	<0.1	4.240	8.02	6.090	<0.5	64.90	<0.25	<0.1	1.000	<1	<0.5	<0.005	2412	<4
FC claims (Fawn Creek)	558	WF-11078	W1160458	N414932	grab	pmc3	0.400	77.70	0.002	251.00	<0.1	8.110	5.17	10.200	<0.5	258.00	<0.25	2.380	<0.5	<1	<0.5	<0.005	861	<4
FC claims (Fawn Creek)	559	WF-11079	W1160458	N414934	grab	pmc3	0.213	49.70	0.003	23.30	<0.1	1.050	8.12	7.830	<0.5	85.90	<0.25	0.334	<0.5	<1	<0.5	<0.005	846	<4
FC claims (Fawn Creek)	560	WF-11080	W1160501	N414938	grab	mcs3	0.225	71.10	0.002	5.67	<0.1	5.730	2.98	9.640	<0.5	26.00	<0.25	0.242	<0.5	<1	<0.5	<0.005	206	<4
FC claims (Fawn Creek)	561	WF-11081	W1160455	N414939	grab	mcs3	1.370	61.50	0.001	17.90	0.362	0.867	28.60	22.900	<0.5	17.70	0.245	<0.1	<0.5	<1	<0.5	<0.005	925	<4
FC claims (Fawn Creek)	562	WF-11082	W1160446	N414941	grab	mcs3	0.279	40.40	0.003	10.40	0.143	0.709	5.22	11.600	<0.5	12.50	<0.25	0.100	<0.5	<1	<0.5	<0.005	561	<4
FC claims (Fawn Creek)	563	WF-11407	W1160439	N414916	grab	pmc3	0.414	25.50	0.003	12.40	<0.1	0.845	2.99	3.520	<0.5	92.80	<0.25	0.234	<0.5	<1	<0.5	<0.005	1130	<4
FC claims (Fawn Creek)	1285	WF-12175	W1160447	N414924	grab	pmc3	<0.015	1.30	<0.001	3.00	<0.1	9.890	0.39	0.455	<0.5	2.40	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
FC claims (Fawn Creek)	1286	WF-12176	W1160440	N414958	grab	mcs3	0.319	51.30	0.006	3.66	0.363	9.580	5.03	4.900	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	780	NA
FC claims (Fawn Creek)	1287	WF-12177	W1160445	N415005	grab	tvol	<0.015	<1	<0.001	8.84	<0.1	1.760	2.31	<0.25	<0.5	27.10	<0.25	<0.1	3.560	<1	<0.5	<0.005	1078	NA
FC claims (Fawn Creek)	1288	WF-12178	W1160619	N414913	grab	pmc3	0.252	23.50	0.001	3.33	0.468	11.500	4.97	9.040	<0.5	1.97	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1468	NA
FC claims (Fawn Creek)	1289	WF-12179	W1160615	N414915	grab	pmc3	0.164	19.00	0.001	2.81	0.223	11.400	9.91	121.000	<0.5	1.90	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1159	NA
FC nos. 1-555	1027	WF-11887	W1155857	N413008	grab	dov1	0.034	147.00	0.004	10.50	0.554	1.200	1.11	14.700	<0.5	5.51	<0.25	0.171	0.512	<1	<0.5	<0.005	13069	<4
FC nos. 1-555	1028	WF-11888	W1155916	N413030	grab	dov1	0.044	30.70	0.006	8.49	3.570	14.900	2.12	34.900	<0.5	8.73	<0.25	<0.1	<0.5	<1	<0.5	<0.005	167	<4
FC nos. 1-555	1029	WF-11889	W1155909	N413008	grab	dov1	0.021	67.90	0.003	6.57	0.133	1.160	0.95	8.090	<0.5	9.27	<0.25	<0.1	1.090	<1	<0.5	<0.005	443	<4
FC nos. 1-555	1030	WF-11890	W1155651	N412908	grab	dov1	0.026	28.00	0.002	8.78	0.842	8.930	1.72	13.300	0.532	50.00	<0.25	0.130	<0.5	<1	<0.5	<0.005	11331	<4
FC nos. 1-555	1362	WF-12226	W1155904	N413044	grab	dov1	0.069	118.00	0.001	16.30	3.290	11.800	3.78	299.000	<0.5	8.55	<0.25	<0.1	<0.5	<1	<0.5	<0.005	421	NA
FC nos. 1-555	1363	WF-12227	W1155846	N413052	grab	dov1	0.092	300.00	0.005	52.20	6.080	7.620	9.97	49.600	<0.5	2.59	<0.25	<0.1	2.020	2.04	<0.5	<0.005	2343	NA
FC nos. 1-555	1364	WF-12228	W1155837	N413051	grab	dov1	0.056	57.30	0.002	7.26	0.717	12.200	2.12	8.850	<0.5	3.93	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
FC nos. 1-555	1365	WF-12229	W1155835	N413057	grab	dov1	0.128	81.10	0.002	39.60	0.607	8.180	9.97	8.160	<0.5	128.00	<0.25	0.121	0.837	1.40	<0.5	<0.005	610	NA
FC nos. 1-555	1366	WF-12230	W1155833	N413059	grab	dov1	0.039	94.90	0.001	4.75	0.549	10.300	1.29	8.670	<0.5	3.99	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
FC nos. 1-555	1367	WF-12231	W1155833	N413102	grab	dov1	0.482	62.50	0.016	26.60	2.520	4.870	9.17	12.500	<0.5	<1	<0.25	<0.1	3.150	2.48	<0.5	<0.005	320	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
FC nos. 1-555	1368	WF-12232	W1155829	N413107	grab	dov1	0.106	838.00	0.001	10.90	6.730	12.300	2.27	48.500	1.240	1.62	<0.25	<0.1	0.727	<1	<0.5	<0.005	91	NA
FC nos. 1-555	1369	WF-12233	W1155813	N413120	grab	dov1	0.291	154.00	0.002	12.80	4.260	9.990	4.76	22.800	0.910	2.40	<0.25	<0.1	0.918	<1	<0.5	<0.005	623	NA
FC nos. 1-555	1389	WF-12253	W1155951	N413020	grab	dov1	0.069	38.50	0.002	4.26	1.670	12.500	1.26	9.980	<0.5	2.96	<0.25	<0.1	<0.5	<1	<0.5	<0.005	58	NA
FC nos. 1-555	1390	WF-12254	W1160003	N413012	grab	dov1	0.042	93.30	0.001	4.12	2.810	11.100	1.52	5.600	<0.5	4.84	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1234	NA
FC nos. 1-555	1391	WF-12255	W1160007	N413001	grab	dov1	0.105	216.00	0.009	59.80	10.300	9.050	9.14	26.000	<0.5	7.75	<0.25	0.117	1.170	1.02	<0.5	<0.005	2862	NA
FC nos. 1-555	1392	WF-12256	W1160007	N412957	grab	dov1	0.036	26.20	<0.001	3.04	1.030	14.300	1.41	4.710	<0.5	4.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	258	NA
FC nos. 1-555	1393	WF-12257	W1160006	N412945	grab	dov1	0.152	374.00	0.004	27.80	5.640	18.100	4.35	51.000	<0.5	9.56	<0.25	0.106	<0.5	<1	<0.5	<0.005	200	NA
FC nos. 1-555	1397	WF-12261	W1155934	N412800	grab	dov1	0.083	64.20	0.001	9.07	0.762	13.000	1.57	7.240	<0.5	5.53	<0.25	<0.1	<0.5	<1	<0.5	<0.005	87	NA
FC nos. 1-555	1398	WF-12262	W1155925	N412749	grab	dov1	0.038	7.07	<0.001	3.76	<0.1	10.800	1.08	0.851	<0.5	1.55	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
FC nos. 1-555	1399	WF-12263	W1155921	N412746	grab	dov1	0.095	117.00	<0.001	8.82	0.307	13.500	2.29	2.590	<0.5	3.58	<0.25	<0.1	<0.5	<1	<0.5	<0.005	33	NA
FC nos. 1-555	1400	WF-12264	W1155854	N412741	grab	dov1	0.051	61.00	<0.001	8.96	0.218	13.300	1.42	3.740	<0.5	3.12	<0.25	<0.1	<0.5	<1	<0.5	<0.005	47	NA
FC nos. 1-555	1461	WF-12325	W1155608	N413227	grab	dov1	0.029	8.78	0.001	4.43	<0.1	12.100	1.56	5.810	<0.5	1.86	<0.25	<0.1	<0.5	<1	<0.5	<0.005	79	NA
FC nos. 1-555	1498	WF-12417	W1155601	N412958	grab	dov1	0.064	27.50	0.002	3.25	0.144	7.180	1.37	0.863	<0.5	3.63	<0.25	<0.1	<0.5	<1	<0.5	<0.005	265	NA
FC nos. 1-555	1499	WF-12418	W1155610	N413019	grab	dov1	0.133	80.90	0.004	8.23	0.864	7.660	1.31	2.190	<0.5	2.92	<0.25	0.119	<0.5	<1	<0.5	<0.005	140	NA
FC nos. 1-555	1500	WF-12419	W1155616	N413037	grab	dov1	0.046	115.00	0.003	5.60	2.490	8.840	1.54	7.420	<0.5	3.58	<0.25	0.109	<0.5	<1	<0.5	<0.005	208	NA
FC nos. 1-555	1501	WF-12348	W1155839	N412738	grab	dov1	0.623	43.00	<0.001	4.66	<0.1	9.000	6.01	0.915	<0.5	13.00	<0.25	0.385	<0.5	<1	<0.5	<0.005	2548	NA
FC nos. 1-555	1502	WF-12349	W1155914	N412732	grab	dov1	1.590	35.50	0.013	62.80	0.208	23.400	18.90	9.730	<0.5	28.90	<0.25	0.261	2.130	22.60	<0.5	<0.005	437	NA
FC nos. 1-555	1513	WF-12360	W1155759	N412732	grab	dov1	0.046	57.50	<0.001	24.80	<0.1	7.780	2.01	1.110	<0.5	17.80	<0.25	0.130	0.839	<1	<0.5	<0.005	32	NA
FC nos. 1-555	1521	WF-12368	W1155909	N413055	grab	dov1	0.184	35.10	<0.001	5.09	1.430	7.890	3.91	162.000	<0.5	<1	<0.25	<0.1	14.200	<1	<0.5	<0.005	42	NA
FC nos. 1-555	1522	WF-12369	W1155913	N413102	grab	dov1	0.257	262.00	0.001	30.60	3.510	16.600	8.24	26.200	<0.5	<1	<0.25	<0.1	12.900	<1	<0.5	<0.005	515	NA
FC nos. 1-555	1608	WF-12469	W1155651	N413033	grab	dov1	0.043	7.83	<0.001	2.41	<0.1	7.030	1.08	6.730	<0.5	1.86	<0.25	<0.1	<0.5	<1	<0.5	<0.005	73	NA
FC nos. 1-555	1609	WF-12470	W1155718	N413049	grab	dov1	0.088	183.00	<0.001	8.48	1.040	8.470	1.51	19.300	<0.5	3.21	<0.25	<0.1	<0.5	<1	<0.5	<0.005	141	NA
FC nos. 1-555	1612	WF-12473	W1155654	N412949	grab	dov1	0.234	123.00	0.010	56.20	0.281	7.270	41.90	4.380	<0.5	162.00	<0.25	1.220	3.140	1.29	<0.5	<0.005	9297	NA
FC nos. 1-555	1613	WF-12474	W1155643	N412953	grab	dov1	0.132	53.50	0.004	24.10	0.258	7.150	3.17	3.920	<0.5	39.90	<0.25	0.296	<0.5	<1	<0.5	<0.005	176	NA
FC nos. 1-555	1614	WF-12475	W1155653	N412945	grab	dov1	0.639	35.50	0.005	50.00	0.301	10.200	17.60	4.360	<0.5	257.00	<0.25	2.700	1.130	4.03	<0.5	<0.005	3074	NA
FC nos. 1-555	1615	WF-12476	W1155830	N412924	grab	dov1	0.101	104.00	0.001	24.00	0.368	10.300	1.45	3.220	<0.5	33.10	<0.25	0.281	<0.5	<1	<0.5	<0.005	452	NA
FC nos. 1-555	1616	WF-12477	W1155844	N412911	grab	dov1	0.056	1.80	<0.001	13.40	<0.1	7.610	1.36	<0.25	<0.5	5.18	<0.25	<0.1	<0.5	<1	<0.5	<0.005	57	NA
FC nos. 1-555	1617	WF-12478	W1155929	N412912	grab	dov1	0.035	117.00	0.002	7.20	0.258	7.020	1.55	4.880	<0.5	5.75	<0.25	<0.1	<0.5	<1	<0.5	<0.005	137	NA
FC nos. 1-555	1618	WF-12479	W1155919	N412851	grab	dov1	0.026	2.70	<0.001	47.60	<0.1	0.543	0.83	<0.25	<0.5	57.30	<0.25	0.117	9.610	<1	<0.5	<0.005	299	NA
FC nos. 1-555	1619	WF-12480	W1155925	N412840	grab	dov1	0.031	9.67	<0.001	31.60	<0.1	1.380	6.40	0.654	<0.5	109.00	<0.25	0.207	11.400	<1	<0.5	<0.005	860	NA
Fantastic mine	1075	WF-11935	W1160521	N411647	grab	dov1	0.679	3.49	0.006	19.10	0.717	14.900	4.05	1.910	<0.5	5.49	<0.25	<0.1	<0.5	2.22	<0.5	<0.005	9498	<4
Fantastic mine	1076	WF-11936	W1160521	N411647	grab	dov1	3.850	6.31	0.022	25.50	1.030	9.620	7.52	4.360	<0.5	17.80	<0.25	0.100	0.494	6.11	<0.5	<0.005	4571	<4
Fantastic mine	1077	WF-11937	W1160521	N411647	select	dov1	0.293	1.29	0.004	5.85	0.601	4.830	2.74	0.718	<0.5	1.52	<0.25	<0.1	<0.5	3.36	<0.5	<0.005	448437	<4
Fantastic mine	1078	WF-11938	W1160521	N411647	grab	dov1	0.899	4.61	0.011	60.30	1.470	12.200	11.00	3.680	0.925	11.40	<0.25	<0.1	0.678	3.29	<0.5	<0.005	2677	<4
Fantastic mine	1079	WF-11939	W1160521	N411647	chip	dov1	0.104	3.28	0.003	9.80	0.509	2.850	2.56	0.839	<0.5	2.22	<0.25	<0.1	<0.5	4.65	<0.5	<0.005	400296	<4
Fantastic mine	1080	WF-11940	W1160521	N411647	grab	dov1	1.170	3.17	0.005	43.40	0.549	3.740	2.92	1.440	<0.5	20.30	<0.25	0.319	<0.5	1.82	<0.5	<0.005	12859	<4
Fantastic mine	1081	WF-11941	W1160521	N411647	select	dov1	0.237	2.60	0.004	14.40	0.498	3.240	2.02	0.790	<0.5	2.50	<0.25	<0.1	<0.5	3.33	<0.5	<0.005	468432	<4
Fantastic mine	1082	WF-11942	W1160521	N411647	chip	dov1	0.111	4.11	0.002	15.60	0.476	2.470	2.51	0.864	<0.5	2.97	<0.25	<0.1	<0.5	2.87	<0.5	<0.005	460181	<4
Fantastic mine	1083	WF-11943	W1160521	N411647	chip	dov1	0.294	5.16	0.003	21.10	0.601	8.330	4.08	1.180	<0.5	3.10	<0.25	<0.1	<0.5	4.93	<0.5	<0.005	423170	<4
Fantastic mine	1084	WF-11944	W1160521	N411647	grab	dov1	0.324	16.00	0.014	236.00	2.080	41.400	17.20	9.710	0.601	14.70	<0.25	0.236	2.190	6.53	<0.5	<0.005	4754	<4
Fantastic mine	1085	WF-11945	W1160521	N411647	chip	dov1	0.143	2.48	0.002	7.46	0.182	2.470	1.68	1.160	0.761	1.93	<0.25	<0.1	<0.5	2.07	<0.5	<0.005	590957	<4
Fantastic mine	1086	WF-11946	W1160521	N411647	chip	dov1	0.795	8.73	0.014	31.20	0.894	10.400	8.74	4.070	1.260	7.19	<0.25	<0.1	0.701	3.96	<0.5	<0.005	14864	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Fantastic mine	1087	WF-11947	W1160521	N411647	chip	dov1	0.771	5.15	0.009	52.00	0.462	24.800	4.61	2.000	0.511	5.87	<0.25	0.096	<0.5	2.25	<0.5	<0.005	3951	<4
Fantastic mine	1088	WF-11948	W1160521	N411647	select	dov1	0.226	2.07	0.005	10.00	0.254	2.600	1.72	1.420	<0.5	3.19	<0.25	0.122	<0.5	1.50	<0.5	<0.005	439895	<4
Fantastic mine	1089	WF-11949	W1160521	N411647	grab	dov1	0.495	2.23	0.008	100.00	1.600	11.800	9.35	3.600	0.615	3.84	<0.25	0.112	0.855	1.14	<0.5	<0.005	23907	<4
Fantastic mine	1090	WF-12401	W1160521	N411647	grab	dov1	0.142	1.78	0.001	11.60	<0.1	8.050	1.22	0.279	0.554	4.90	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1654	0
Fantastic mine	1091	WF-12402	W1160521	N411647	grab	dov1	1.260	5.43	0.007	43.50	0.199	14.200	3.48	1.660	<0.5	7.28	<0.25	<0.1	0.575	15.10	<0.5	<0.005	674	0
Fantastic mine	1092	WF-12016	W1160533	N411624	grab	dov1	0.795	3.82	0.002	21.60	0.294	16.600	2.72	1.420	<0.5	29.30	<0.25	0.694	<0.5	2.20	<0.5	<0.005	7688	<4
Fantastic mine	1093	WF-12017	W1160533	N411624	select	dov1	0.132	0.99	0.008	9.47	0.343	2.060	1.77	0.277	<0.5	7.69	<0.25	<0.1	<0.5	3.05	<0.5	<0.005	526500	<4
Fantastic mine	1094	WF-12018	W1160533	N411624	grab	dov1	1.080	10.00	0.006	107.00	1.260	18.000	10.70	4.320	<0.5	93.70	<0.25	138.000	0.996	8.59	0.537	<0.005	3899	<4
Fantastic mine	1095	WF-12019	W1160533	N411624	grab	dov1	0.925	26.90	0.010	60.90	1.540	24.300	12.10	10.400	<0.5	163.00	<0.25	1.150	1.300	7.10	<0.5	<0.005	7893	<4
Fantastic mine	1096	WF-12020	W1160533	N411624	select	dov1	0.980	1.71	0.002	7.11	0.225	1.230	1.16	0.445	<0.5	6.34	<0.25	0.497	<0.5	1.29	<0.5	<0.005	409349	<4
Fantastic mine	1097	WF-12021	W1160533	N411624	grab	dov1	0.886	4.75	0.011	67.10	0.930	10.000	10.90	2.670	<0.5	79.30	<0.25	1.140	0.747	10.60	<0.5	<0.005	32550	<4
Fantastic mine	1098	WF-12022	W1160536	N411621	select	dov1	0.255	1.96	0.012	12.20	0.906	1.640	1.84	0.580	<0.5	7.66	<0.25	0.880	<0.5	4.47	<0.5	<0.005	408345	<4
Fantastic mine	1099	WF-12023	W1160536	N411621	grab	dov1	0.460	1.63	0.003	25.90	1.260	12.000	1.97	0.939	<0.5	14.00	<0.25	0.626	<0.5	1.15	<0.5	<0.005	7714	<4
Fantastic mine	1100	WF-12024	W1160536	N411621	grab	dov1	0.858	<1	0.015	98.60	0.479	2.690	4.29	0.784	<0.5	31.20	<0.25	5.110	1.130	<1	<0.5	<0.005	4940	<4
Fantastic mine	1251	WF-12078	W1160541	N411617	select	dov1	0.302	<1	<0.001	9.41	<0.1	4.100	<0.25	3.020	<0.5	30.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3809	NA
Fantastic mine	1252	WF-12079	W1160541	N411617	grab	dov1	0.271	12.20	0.009	94.40	0.237	22.800	2.68	5.640	0.660	459.00	0.430	0.368	0.526	1.21	<0.5	<0.005	450993	NA
Fantastic mine	1253	WF-12080	W1160541	N411617	select	dov1	0.277	<1	<0.001	8.77	<0.1	3.460	<0.25	4.750	<0.5	28.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	52333	NA
Fantastic mine	1254	WF-12081	W1160541	N411617	grab	dov1	0.261	8.17	0.005	41.60	0.769	22.400	5.02	3.810	0.516	110.00	0.480	0.280	<0.5	3.08	<0.5	<0.005	431618	NA
Fantastic mine	1255	WF-12082	W1160519	N411621	select	dov1	0.317	<1	0.002	7.24	<0.1	2.890	<0.25	3.390	<0.5	38.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	9203	NA
Fantastic mine	1256	WF-12083	W1160519	N411621	grab	dov1	0.170	31.20	0.003	75.70	0.494	56.500	12.80	9.260	0.794	60.00	0.778	0.774	0.489	39.30	<0.5	<0.005	445392	NA
Fantastic mine	1257	WF-12084	W1160519	N411621	select	dov1	0.293	<1	<0.001	4.23	<0.1	1.910	<0.25	3.660	<0.5	29.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3838	NA
Fantastic mine	1258	WF-12085	W1160519	N411621	grab	dov1	0.045	4.39	0.001	101.00	0.122	16.500	2.59	2.090	<0.5	257.00	:0.313	4.290	<0.5	4.24	<0.5	<0.005	511905	NA
Fantastic mine	1259	WF-12086	W1160519	N411621	select	dov1	0.292	<1	<0.001	14.40	<0.1	2.090	<0.25	3.650	<0.5	39.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	75027	NA
Fantastic mine	1260	WF-12087	W1160519	N411621	grab	dov1	0.906	36.70	0.014	139.00	1.360	35.900	6.71	11.000	3.160	46.00	0.537	0.675	0.666	9.51	<0.5	<0.005	8393	NA
Fantastic mine	1261	WF-12088	W1160519	N411621	grab	dov1	0.383	2.09	<0.001	38.20	0.345	16.600	2.58	1.840	<0.5	14.80	0.283	0.176	<0.5	1.83	<0.5	<0.005	1121	NA
Fantastic mine	1262	WF-12089	W1160519	N411621	grab	dov1	0.122	2.12	<0.001	174.00	<0.1	14.500	14.90	3.020	<0.5	65.10	0.308	0.914	<0.5	<1	<0.5	<0.005	461595	NA
Fantastic mine	1263	WF-12090	W1160519	N411621	select	dov1	0.361	<1	0.015	8.80	<0.1	3.220	<0.25	<0.25	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	435	NA
Fantastic mine	1301	WF-12108	W1160536	N411621	select	dov1	<0.015	<1	0.028	3.61	<0.1	1.980	<0.25	2.650	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	531388	NA
Fantastic mine	1302	WF-12109	W1160521	N411628	grab	dov1	0.378	23.50	0.012	176.00	<0.1	22.200	<0.25	6.860	<0.5	638.00	<0.25	7.070	<0.5	10.20	<0.5	<0.005	91125	NA
Fantastic mine	1303	WF-12110	W1160521	N411628	grab	dov1	0.573	1.62	0.007	20.40	0.293	17.600	3.65	0.682	<0.5	18.30	<0.25	0.166	<0.5	1.09	<0.5	<0.005	10581	NA
Fantastic mine	1304	WF-12111	W1160521	N411628	grab	dov1	0.200	1.10	0.004	9.12	<0.1	12.700	2.44	0.447	<0.5	8.86	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3422	NA
Fantastic mine	1305	WF-12112	W1160521	N411628	select	dov1	0.432	<1	0.014	8.90	<0.1	3.260	<0.25	4.090	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	481682	NA
Fantastic mine	1306	WF-12113	W1160521	N411628	select	dov1	0.295	<1	0.005	8.22	<0.1	1.980	<0.25	2.710	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	558515	NA
Fantastic mine	1307	WF-12114	W1160521	N411628	grab	dov1	0.864	<1	0.009	72.70	0.723	7.820	11.00	1.250	<0.5	11.70	<0.25	0.694	<0.5	<1	<0.5	<0.005	8493	NA
Fantastic mine	1308	WF-12115	W1160521	N411628	grab	dov1	0.409	1.15	0.010	37.30	0.806	9.570	8.76	1.700	<0.5	4.82	<0.25	0.236	0.709	1.72	<0.5	<0.005	4354	NA
Fantastic mine	1309	WF-12116	W1160521	N411628	grab	dov1	0.136	12.10	0.019	82.00	0.352	19.800	3.18	2.590	<0.5	2104.00	<0.25	11.600	3.350	5.45	<0.5	<0.005	133231	NA
Fantastic mine	1310	WF-12117	W1160521	N411628	grab	dov1	0.470	2.00	0.002	20.20	0.302	16.900	1.86	0.637	<0.5	8.00	<0.25	0.176	<0.5	1.05	<0.5	<0.005	19309	NA
Fantastic mine	1311	WF-12118	W1160521	N411628	select	dov1	0.418	<1	0.021	9.32	<0.1	5.790	<0.25	3.920	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	484000	NA
Fantastic mine	1312	WF-12119	W1160521	N411628	grab	kjd1	0.037	<1	<0.001	71.00	<0.1	1.210	1.96	<0.25	<0.5	1540.00	<0.25	43.300	10.600	<1	<0.5	<0.005	5587	NA
Fantastic mine	1313	WF-12120	W1160551	N411555	grab	dov1	0.518	<1	0.012	18.80	<0.1	6.680	<0.25	3.970	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	410985	NA
Fantastic mine	1314	WF-12121	W1160553	N411557	grab	dov3	0.642	<1	0.020	19.50	<0.1	8.790	3.10	3.780	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	374783	NA
Fantastic mine	1315	WF-12122	W1160549	N411557	select	dov1	0.401	10.50	0.011	11.80	<0.1	2.960	<0.25	<0.25	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	509714	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Fran nos. 1-30	317	WF-10854	W1161153	N413425	grab	pms3	1.340	68.40	0.023	658.00	<0.1	4.080	5.08	3.820	<0.5	599.00	3.450	4.050	6.840	<1	<0.5	<0.005	187	<4
Fran nos. 1-30	318	WF-10855	W1161152	N413426	grab	pms3	0.135	8.52	<0.001	27.50	<0.1	6.160	3.74	0.870	<0.5	42.60	<0.25	0.124	1.200	<1	<0.5	<0.005	2351	<4
Fran nos. 1-30	319	WF-10856	W1161154	N413425	grab	pms3	7.650	1236.00	0.210	5940.00	<0.1	7.180	10.40	45.700	<0.5	1099.00	45.100	6.080	<0.5	15.20	<0.5	<0.005	103	<4
Fran nos. 1-30	320	WF-10857	W1161152	N413424	grab	pms3	0.173	22.30	<0.001	24.20	<0.1	1.220	3.51	0.863	<0.5	20.20	0.280	0.106	<0.5	<1	<0.5	<0.005	549	<4
Fran nos. 1-30	321	WF-10858	W1161152	N413424	grab	pms3	0.424	193.00	0.051	34.00	<0.1	1.100	4.65	3.370	<0.5	77.60	<0.25	0.438	0.803	<1	<0.5	<0.005	1415	<4
Fran nos. 1-30	322	WF-10859	W1161150	N413424	grab	pms3	0.402	55.10	0.006	161.00	<0.1	0.973	4.79	2.800	<0.5	97.20	1.190	0.582	0.880	<1	<0.5	<0.005	1113	<4
Fran nos. 1-30	332	WF-10869	W1161207	N413424	grab	pms3	0.670	5.73	0.004	11.70	<0.1	1.220	39.50	0.826	<0.5	42.20	1.170	0.483	1.920	<1	<0.5	<0.005	723	<4
Fran nos. 1-30	333	WF-10870	W1161213	N413433	grab	cpm3	0.211	10.10	0.002	18.50	<0.1	1.060	4.36	2.560	<0.5	21.40	<0.25	0.186	<0.5	<1	<0.5	<0.005	121	<4
Fran nos. 1-30	334	WF-10871	W1161212	N413431	grab	cpm3	0.987	25.70	0.133	10.80	<0.1	11.800	15.90	1.490	<0.5	21.30	<0.25	0.102	0.685	<1	<0.5	<0.005	462	<4
Fran nos. 1-30	335	WF-10872	W1161209	N413428	grab	cpm3	0.205	19.70	0.035	7.83	<0.1	10.100	4.08	1.470	<0.5	14.00	<0.25	<0.1	0.869	<1	<0.5	<0.005	206	<4
Fran nos. 1-30	336	WF-10873	W1161209	N413426	grab	cpm3	0.159	20.10	0.008	7.61	<0.1	1.040	4.28	1.230	<0.5	13.50	<0.25	<0.1	0.830	<1	<0.5	<0.005	254	<4
Fran nos. 1-30	337	WF-10874	W1161208	N413425	grab	pms3	0.100	14.70	0.006	8.66	<0.1	9.010	4.54	1.130	<0.5	22.20	<0.25	<0.1	1.740	<1	<0.5	<0.005	727	<4
GDX nos. 1-63	227	WF-10797	W1160221	N414750	grab	tvol	0.031	1.38	<0.001	3.55	<0.1	1.360	4.20	<0.25	<0.5	72.40	<0.25	0.103	1.800	<1	<0.5	<0.005	1639	<4
GDX nos. 1-63	228	WF-10798	W1160156	N414757	grab	dov3	0.062	1.00	0.001	3.28	0.262	0.554	2.08	1.370	<0.5	6.86	<0.25	<0.1	<0.5	<1	<0.5	<0.005	95	<4
GDX nos. 1-63	458	WF-11003	W1160014	N414830	grab	dov3	0.203	8.88	0.002	5.05	<0.1	1.160	3.68	2.150	<0.5	7.15	<0.25	<0.1	<0.5	<1	<0.5	<0.005	34	<4
GDX nos. 1-63	459	WF-11004	W1160022	N414802	grab	dov3	0.270	23.00	0.007	29.00	0.174	11.100	4.22	3.210	<0.5	9.85	<0.25	0.379	0.564	<1	<0.5	<0.005	590	<4
Gold Bug (placer)	1545	4/	W1160420	N414138	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gold Bug (placer)	1546	4/	W1160432	N414135	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gold Bug Consolidated (placer)	593	4/	W1160616	N414140	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gold Bug Consolidated (placer)	594	4/	W1160605	N414121	pan	4/	NA	NA	.089mg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Golden Eagle (Rescue, patented)	256	WF-9721	W1160310	N414127	select	oaf3	0.768	54.20	0.022	4.38	<0.1	1.120	131.00	7.410	<0.5	41.80	<0.25	0.610	<0.5	<1	<0.5	<0.005	4	<4
Golden Eagle (Rescue, patented)	257	WF-9722	W1160256	N414124	select	oaf3	1.320	161.00	0.088	13.10	<0.1	0.710	9.76	6.690	<0.5	34.60	<0.25	0.210	<0.5	<1	<0.5	<0.005	736	16
Golden Eagle (Rescue, patented)	258	WF-9723	W1160248	N414120	grab	oaf3	0.589	40.10	0.012	11.70	<0.1	0.856	14.50	1.020	<0.5	33.70	0.289	0.214	1.460	<1	<0.5	<0.005	920	<4
Golden Eagle (Rescue, patented)	259	WF-9724	W1160248	N414120	grab	oaf3	0.764	96.40	0.129	20.90	<0.1	1.310	14.10	8.580	<0.5	85.70	<0.25	0.761	1.130	<1	<0.5	<0.005	1251	8
Graphite claims (Jerritt Cyn)	1126	WF-11975	W1155759	N411809	grab	dov1	0.692	94.70	0.011	58.70	0.459	11.300	9.01	6.360	0.513	171.50	<0.25	2.120	<0.5	3.92	<0.5	<0.005	2531	<4
Graphite claims (Jerritt Cyn)	1127	WF-11976	W1155759	N411810	grab	dov1	1.050	369.00	0.030	109.00	0.443	5.280	16.40	5.780	<0.5	96.50	<0.25	1.180	0.718	1.72	<0.5	<0.005	1522	<4
Graphite claims (Jerritt Cyn)	1129	WF-11978	W1155801	N411823	grab	dov1	3.540	310.00	0.064	93.60	1.030	19.700	55.30	16.200	<0.5	155.00	<0.25	1.850	<0.5	10.60	<0.5	<0.005	3409	<4
Graphite claims (Jerritt Cyn)	1130	WF-11979	W1155805	N411809	grab	dov1	0.990	16.80	0.004	10.30	0.285	2.420	4.78	4.780	<0.5	74.40	<0.25	0.117	<0.5	1.26	<0.5	<0.005	724	<4
Graphite claims (Jerritt Cyn)	1131	WF-11980	W1155802	N411830	grab	dov1	0.588	27.80	0.004	41.80	0.113	5.660	6.53	2.470	<0.5	150.00	<0.25	0.741	<0.5	1.23	<0.5	<0.005	1572	<4
Graphite claims (Jerritt Cyn)	1132	WF-11981	W1155802	N411829	grab	dov1	0.193	7.10	0.003	14.90	<0.1	3.490	5.45	1.540	<0.5	79.60	<0.25	1.120	<0.5	<1	<0.5	<0.005	2058	<4
Graphite claims (Jerritt Cyn)	1138	WF-11987	W1155801	N411813	grab	dov1	0.106	16.00	0.448	8.23	2.250	16.000	5.23	2.120	<0.5	879.00	<0.25	3.140	<0.5	<1	0.713	<0.005	5910	<4
Greenstone claims (Jerritt Cyn)	922	WF-11790	W1160151	N412331	grab	dsr1	0.038	2.50	0.001	6.25	<0.1	2.240	6.70	0.601	<0.5	20.30	<0.25	0.195	<0.5	<1	<0.5	<0.005	1303	<4
Greenstone claims (Jerritt Cyn)	923	WF-11791	W1160148	N412343	grab	dsr1	0.021	1.39	0.001	0.71	<0.1	0.883	0.60	<0.25	<0.5	1.55	<0.25	<0.1	<0.5	<1	<0.5	<0.005	56	<4
Greenstone claims (Jerritt Cyn)	924	WF-11792	W1160148	N412343	grab	dsr1	0.025	1.13	<0.001	33.60	<0.1	1.030	0.53	0.242	0.501	78.10	<0.25	0.191	12.300	<1	<0.5	<0.005	2764	<4
Greenstone claims (Jerritt Cyn)	928	WF-11796	W1160237	N412346	grab	dsr1	0.093	15.70	0.003	5.18	0.151	8.430	1.54	2.020	<0.5	18.50	<0.25	0.211	<0.5	<1	<0.5	<0.005	4690	<4
Greenstone claims (Jerritt Cyn)	929	WF-11797	W1160237	N412346	grab	dsr1	0.271	39.30	0.003	10.40	0.594	6.270	4.07	7.090	<0.5	36.80	<0.25	0.193	<0.5	<1	<0.5	<0.005	1155	<4
Greenstone claims (Jerritt Cyn)	930	WF-11798	W1160229	N412339	grab	dsr1	0.144	10.40	<0.001	15.10	<0.1	2.530	6.78	2.210	<0.5	46.20	<0.25	0.885	<0.5	<1	<0.5	<0.005	809	4
Greenstone claims (Jerritt Cyn)	931	WF-11799	W1160246	N412331	grab	dsr1	0.279	24.00	0.014	12.00	<0.1	4.420	8.99	5.070	<0.5	99.20	<0.25	0.913	<0.5	1.67	<0.5	<0.005	1327	4
Greenstone claims (Jerritt Cyn)	932	WF-11800	W1160222	N412321	grab	dsr1	0.869	38.90	<0.001	38.70	<0.1	10.500	19.80	7.140	1.770	124.00	<0.25	1.670	<0.5	6.81	<0.5	<0.005	1089	<4
Greenstone claims (Jerritt Cyn)	933	WF-11801	W1160218	N412343	grab	dsr1	0.024	1.51	<0.001	1.32	<0.1	0.592	1.56	1.160	<0.5	6.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	401	4
Greenstone claims (Big Springs)	841	WF-11553	W1160038	N413207	grab	pms2	0.663	84.30	0.002	25.40	1.230	5.610	7.17	32.300	0.544	253.00	<0.25	0.696	0.650	4.98	<0.5	<0.005	769	<4
Greenstone claims (Big Springs)	849	WF-11621	W1160214	N413030	grab	dov1	0.089	9.13	0.003	4.31	<0.1	1.700	4.59	0.942	<0.5	7.76	<0.25	<0.1	<0.5	<1	<0.5	<0.005	183	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Greenstone claims (Big Springs)	850	WF-11622	W1160240	N413029	grab	pms2	0.219	33.80	0.001	4.46	1.080	2.740	6.07	15.000	1.860	5.65	<0.25	<0.1	0.545	<1	<0.5	<0.005	386	<4
Greenstone claims (Big Springs)	926	WF-11794	W1160212	N412359	grab	dov1	0.045	3.54	0.001	28.90	<0.1	7.620	3.23	0.707	<0.5	42.70	<0.25	0.101	1.090	1.51	<0.5	<0.005	882	<4
Greenstone claims (Big Springs)	927	WF-11795	W1160235	N412356	grab	dov1	0.158	28.60	0.017	7.91	1.220	3.300	4.06	18.600	<0.5	17.70	<0.25	0.263	<0.5	<1	<0.5	<0.005	51519	4
Greenstone claims (Big Springs)	1628	WF-12511	W1160446	N412924	grab	pms2	0.277	656.00	0.001	7.58	<0.1	16.600	2.41	32.100	<0.5	4.66	<0.25	<0.1	<0.5	<1	<0.5	<0.005	922	NA
Greenstone claims (Big Springs)	1629	WF-12512	W1160502	N412937	grab	pms2	0.798	490.00	0.069	4.43	1.000	2.470	1.45	49.300	1.870	5.98	<0.25	<0.1	0.526	<1	<0.5	<0.005	427441	NA
Greenstone claims (Big Springs)	1630	WF-12513	W1160520	N412925	grab	pms2	0.086	459.00	0.003	35.90	<0.1	13.600	3.20	16.800	<0.5	118.00	<0.25	0.142	0.804	<1	<0.5	<0.005	10136	NA
Greenstone claims (Big Springs)	1631	WF-12514	W1160324	N412940	grab	pms2	0.192	20.60	0.002	25.60	<0.1	3.550	4.59	2.050	<0.5	61.80	<0.25	0.135	3.010	<1	<0.5	<0.005	1325	NA
Greenstone claims (Big Springs)	1632	WF-12515	W1160347	N413001	grab	pms2	0.216	569.00	0.005	54.50	1.540	7.540	6.55	22.500	1.060	46.30	<0.25	0.199	0.881	3.08	<0.5	<0.005	1312	NA
Greenstone claims (Big Springs)	1633	WF-12516	W1160308	N413007	grab	pms2	0.134	29.60	0.001	38.00	0.493	2.840	7.46	10.700	<0.5	143.00	<0.25	0.407	12.900	<1	<0.5	<0.005	1554	NA
Greenstone claims (Big Springs)	1634	WF-12517	W1160311	N413006	grab	pms2	0.273	142.00	0.003	17.30	4.110	13.000	3.76	72.500	1.560	12.40	<0.25	<0.1	1.020	2.20	<0.5	<0.005	118716	NA
Greenstone claims (Big Springs)	1635	WF-12518	W1160231	N412953	grab	pms2	0.095	20.20	<0.001	14.30	0.472	14.400	3.00	4.550	0.583	21.30	<0.25	<0.1	1.100	<1	<0.5	<0.005	668	NA
Greenstone claims (Big Springs)	1636	WF-12519	W1160246	N413008	grab	pms2	0.400	202.00	0.062	9.09	3.850	8.340	5.47	29.700	4.250	104.00	<0.25	1.810	0.694	3.35	<0.5	<0.005	450	NA
Greenstone claims (Big Springs)	1637	WF-12520	W1160230	N412814	grab	dov1	0.432	38.70	0.003	18.90	0.131	24.900	4.70	4.140	0.722	3.20	<0.25	<0.1	1.440	1.06	<0.5	<0.005	530	NA
Greenstone claims (Big Springs)	1638	WF-12521	W1160148	N412849	grab	dov1	0.050	119.00	0.002	7.23	1.770	11.700	1.47	11.200	<0.5	3.90	<0.25	<0.1	<0.5	<1	<0.5	<0.005	63	NA
Greenstone claims (Big Springs)	1755	WF-12616	W1160317	N413038	grab	msc2	0.296	249.00	0.041	27.00	2.760	4.880	8.02	30.700	3.110	61.40	<0.25	0.619	2.100	2.19	<0.5	<0.005	299	NA
Greenstone claims (Big Springs)	1756	WF-12617	W1160317	N413036	grab	msc2	0.428	129.00	0.012	37.80	1.490	11.100	4.91	19.900	<0.5	130.00	<0.25	1.410	2.280	1.04	<0.5	<0.005	502	NA
HI claims	1516	WF-12363	W1155708	N412715	grab	dov1	0.277	188.00	0.002	30.90	0.322	11.200	11.50	1.360	0.479	120.00	<0.25	0.721	<0.5	<1	<0.5	<0.005	671	NA
HI claims	1517	WF-12364	W1155700	N412715	grab	dov1	0.809	161.00	0.002	51.70	1.810	14.900	8.24	2.690	1.650	6.40	<0.25	0.403	0.807	2.85	<0.5	<0.005	1033	NA
HI claims	1518	WF-12365	W1155653	N412749	grab	dov1	0.711	419.00	0.003	27.70	5.550	17.000	4.16	7.410	1.930	8.08	<0.25	0.111	2.150	4.88	<0.5	<0.005	1666	NA
HI claims	1519	WF-12366	W1155654	N412747	grab	dov1	0.676	87.10	0.002	33.70	1.570	7.740	5.46	3.600	0.767	139.00	<0.25	0.779	<0.5	6.13	<0.5	<0.005	957	NA
HV claims (Jerritt Cyn)	555	WF-11077	W1155915	N411704	grab	soh1	0.290	4.80	0.011	11.80	<0.1	2.150	2.26	2.700	<0.5	29.00	<0.25	0.203	<0.5	<1	<0.5	<0.005	189501	<4
Happy Days	1533	WF-12422	W1160705	N414215	grab	oaf3	0.274	6.42	0.005	3.33	<0.1	6.750	188.00	2.130	<0.5	49.60	<0.25	3.910	<0.5	<1	<0.5	<0.005	162	NA
Happy Days	1534	WF-12423	W1160706	N414215	grab	oaf3	0.112	33.70	0.004	11.00	<0.1	3.000	46.60	7.760	<0.5	25.70	<0.25	0.685	0.796	<1	<0.5	<0.005	1379	NA
Happy Days	1535	WF-12424	W1160643	N414220	grab	oaf3	0.088	6.19	0.004	8.78	<0.1	7.010	35.20	0.513	<0.5	12.40	<0.25	0.495	<0.5	<1	<0.5	<0.005	437	NA
Hidden Hills mine (Jerritt Cyn)	904	WF-11672	W1160111	N412549	grab	dov1	0.040	13.70	0.004	45.90	<0.1	1.740	3.17	0.601	<0.5	39.00	<0.25	0.105	0.933	<1	<0.5	<0.005	953	<4
Hidden Hills mine (Jerritt Cyn)	905	WF-11673	W1160111	N412549	grab	dov1	0.761	17.40	0.062	77.60	<0.1	14.400	35.10	2.550	<0.5	61.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	925	<4
Hidden Hills mine (Jerritt Cyn)	906	WF-11674	W1160111	N412549	grab	dov1	0.052	6.71	0.003	33.50	<0.1	2.930	3.18	0.585	<0.5	29.70	<0.25	0.131	0.896	<1	<0.5	<0.005	1444	<4
Hidden Hills mine (Jerritt Cyn)	907	WF-11675	W1160111	N412551	select	dov1	0.020	<1	0.002	6.63	<0.1	1.670	0.98	0.265	<0.5	7.03	<0.25	<0.1	<0.5	<1	<0.5	<0.005	518396	<4
Hidden Hills mine (Jerritt Cyn)	908	WF-11676	W1160119	N412535	select	dov1	0.046	2.87	0.002	7.35	<0.1	1.030	1.37	<0.25	<0.5	6.94	<0.25	<0.1	<0.5	<1	<0.5	<0.005	550094	<4
Hidden Hills mine (Jerritt Cyn)	909	WF-11677	W1160117	N412543	grab	dov1	0.126	3.40	0.007	16.30	<0.1	10.600	6.99	0.546	<0.5	29.50	<0.25	0.138	0.559	<1	<0.5	<0.005	240901	<4
Hidden Hills mine (Jerritt Cyn)	910	WF-11683	W1160117	N412543	grab	dov1	0.052	5.55	0.001	14.80	<0.1	3.330	4.55	0.794	<0.5	105.00	<0.25	0.143	0.832	1.07	<0.5	<0.005	1541	<4
Hidden Hills mine (Jerritt Cyn)	911	WF-11684	W1160117	N412543	select	dov1	0.030	<1	0.001	8.23	<0.1	1.050	0.97	0.312	<0.5	3.77	<0.25	<0.1	0.458	<1	<0.5	<0.005	5831	<4
Hidden Hills mine (Jerritt Cyn)	912	WF-11685	W1160117	N412543	grab	dov1	<0.015	<1	<0.001	3.10	<0.1	0.880	1.52	0.455	<0.5	10.60	<0.25	<0.1	0.513	<1	<0.5	<0.005	5831	<4
Highpoint claim group	1277	WF-12104	W1160757	N414023	grab	cpm3	0.189	3.44	0.295	3.22	<0.1	15.400	16.40	0.684	<0.5	56.50	<0.25	0.188	<0.5	<1	<0.5	<0.005	367	NA
Highpoint claim group	1278	WF-12105	W1160755	N414022	grab	cpm3	0.103	2.17	0.027	4.38	<0.1	9.810	17.40	1.050	<0.5	3.71	<0.25	<0.1	<0.5	<1	<0.5	<0.005	319	NA
Highpoint claim group	1279	WF-12106	W1160759	N414013	grab	cpm3	0.990	29.90	0.019	2.11	1.780	12.200	3.52	18.000	<0.5	3.26	<0.25	<0.1	<0.5	<1	<0.5	<0.005	10679	NA
Highpoint claim group	1280	WF-12107	W1160758	N414015	grab	cpm3	0.135	293.00	0.583	6.48	0.483	10.700	9.19	7.640	<0.5	5.89	<0.25	0.252	<0.5	<1	<0.5	<0.005	110	NA
Highpoint claim group	1437	WF-12301	W1160829	N414029	grab	cpm3	6.250	22.60	14.500	142.00	<0.1	5.930	92.10	19.000	<0.5	11.70	0.259	<0.1	<0.5	<1	<0.5	<0.005	41	NA
Highpoint claim group	1438	WF-12302	W1160832	N414027	select	cpm3	3.520	386.00	6.870	58.80	<0.1	7.780	3.06	14.700	<0.5	39.00	<0.25	0.326	<0.5	<1	<0.5	<0.005	168	NA
Highpoint claim group	1439	WF-12303	W1160829	N414029	grab	cpm3	3.700	47.20	2.470	216.00	<0.1	4.980	22.10	5.400	<0.5	51.40	<0.25	0.467	<0.5	<1	<0.5	<0.005	<25	NA
Hot Spot no. 1	471	WF-11016	W1155814	N415003	grab	tvo1	2.790	137.00	0.103	10.40	<0.1	7.550	256.00	10.400	<0.5	240.00	<0.25	0.452	0.832	<1	<0.5	<0.005	1041	8
Hot Spot no. 1	472	WF-11017	W1155816	N415004	grab	kjd3	0.077	2.50	0.002	5.65	<0.1	0.451	2.65	<0.25	<0.5	36.40	<0.25	<0.1	3.330	<1	<0.5	<0.005	1034	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Hot Spot no. 1	477	WF-11022	W1155817	N414957	grab	kjd3	1.720	3.01	0.022	2.88	<0.1	0.965	4.91	<0.25	<0.5	5.51	<0.25	<0.1	0.662	<1	<0.5	<0.005	205	<4
IL "A" claims	635	WF-11115	W1160106	N413808	grab	pms2	0.541	5.38	0.001	6.70	<0.1	10.600	15.70	4.880	0.550	14.50	0.386	0.207	0.959	<1	<0.5	<0.005	990	<4
IL "A" claims	636	WF-11440	W1160059	N413810	grab	pms2	0.102	3.74	<0.001	5.26	<0.1	9.450	4.24	1.000	<0.5	10.10	<0.25	0.249	<0.5	<1	<0.5	<0.005	488	<4
IL "A" claims	637	WF-11441	W1160054	N413810	grab	pms2	0.165	2.33	0.001	25.10	<0.1	8.730	2.59	1.510	<0.5	10.80	<0.25	0.178	<0.5	<1	<0.5	<0.005	2869	<4
IL "A" claims	638	WF-11442	W1160054	N413810	grab	pms2	0.055	3.43	<0.001	52.20	<0.1	0.634	8.39	2.040	<0.5	104.00	<0.25	0.161	1.340	<1	<0.5	<0.005	1157	<4
IL "A" claims	639	WF-11443	W1160059	N413806	grab	pms2	0.024	5.01	<0.001	124.00	<0.1	7.160	10.20	2.260	<0.5	96.10	<0.25	0.396	0.922	<1	<0.5	<0.005	1161	<4
IL "A" claims	640	WF-11444	W1160200	N413808	grab	pms2	0.059	5.09	0.003	78.00	<0.1	1.170	5.64	1.870	<0.5	33.10	<0.25	<0.1	1.660	<1	<0.5	<0.005	2182	<4
IL "A" claims	641	WF-11445	W1160158	N413808	grab	pms2	0.093	1.71	0.004	65.40	<0.1	4.200	3.58	0.937	<0.5	42.00	<0.25	<0.1	2.210	<1	<0.5	<0.005	2461	<4
IL "A" claims	642	WF-11446	W1160155	N413809	grab	pms2	0.074	2.52	0.004	42.70	<0.1	0.645	4.26	1.000	<0.5	65.60	<0.25	<0.1	1.780	<1	<0.5	<0.005	2518	<4
IL "A" claims	643	WF-11447	W1160139	N413809	grab	pms2	0.080	5.03	0.001	15.20	<0.1	15.800	2.29	0.461	<0.5	32.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1028	<4
IL "A" claims	644	WF-11448	W1160137	N413807	grab	pms2	0.294	713.00	0.007	392.00	0.109	3.240	9.30	5.520	<0.5	179.00	<0.25	0.491	1.500	3.83	<0.5	<0.005	1439	<4
IL "A" claims	645	WF-11449	W1160137	N413807	grab	pms2	0.072	9.10	0.003	51.00	<0.1	0.814	4.01	0.846	<0.5	32.70	<0.25	<0.1	1.150	1.12	<0.5	<0.005	2252	<4
IL "A" claims	646	WF-11116	W1160137	N413807	grab	pms2	0.488	660.00	0.007	98.40	0.237	8.070	4.99	6.350	<0.5	368.00	<0.25	0.223	<0.5	<1	<0.5	<0.005	924	<4
IL "A" claims	647	WF-11117	W1160141	N413803	grab	pms2	0.188	3.78	0.006	113.00	<0.1	7.480	5.24	8.620	<0.5	58.10	<0.25	<0.1	1.930	<1	<0.5	<0.005	2328	<4
IL "A" claims	648	WF-11118	W1160156	N413801	grab	pms2	0.591	4.30	0.001	9.45	0.245	1.360	14.10	2.740	<0.5	44.40	<0.25	0.456	<0.5	<1	<0.5	<0.005	1412	<4
IL "A" claims	701	WF-11471	W1160118	N413810	grab	pms2	4.170	11.60	0.002	70.00	0.123	2.920	596.00	5.980	<0.5	113.00	0.290	0.846	1.510	1.32	<0.5	<0.005	2537	<4
IL "A" claims	702	WF-11472	W1160117	N413807	grab	pms2	2.450	19.50	0.002	22.70	1.130	0.896	248.00	4.550	<0.5	299.00	<0.25	2.150	<0.5	<1	<0.5	<0.005	654	<4
IL "A" claims	703	WF-11473	W1160207	N413805	grab	pms2	3.760	12.30	0.002	9.76	<0.1	2.340	418.00	4.910	<0.5	69.50	<0.25	0.546	<0.5	0.96	<0.5	<0.005	446	<4
IL "A" claims	704	WF-11474	W1160204	N413815	grab	tvol	4.110	2.44	0.002	3.61	<0.1	6.810	496.00	4.980	<0.5	44.50	<0.25	0.627	0.912	<1	<0.5	<0.005	1172	<4
IL "A" claims	705	WF-11475	W1160200	N413816	grab	tvol	0.384	1.59	0.001	4.35	<0.1	0.536	42.20	0.906	<0.5	37.10	<0.25	0.277	1.760	<1	<0.5	<0.005	2080	<4
IL "A" claims	706	WF-11476	W1160202	N413811	grab	pms2	0.977	1.63	0.002	26.80	<0.1	5.970	109.00	1.950	<0.5	32.70	<0.25	0.221	0.705	<1	<0.5	<0.005	1640	<4
IL "A" claims	707	WF-11477	W1160201	N413810	grab	pms2	0.633	1.34	0.002	57.60	<0.1	0.410	48.50	1.280	<0.5	52.70	<0.25	0.178	1.810	<1	<0.5	<0.005	2150	<4
IL "A" claims	708	WF-11478	W1160158	N413815	grab	pms2	0.646	2.84	0.004	38.50	<0.1	0.691	38.90	1.180	<0.5	66.30	<0.25	0.167	1.470	<1	<0.5	<0.005	2845	<4
IL "A" claims	882	WF-11650	W1160749	N413707	grab	tvol	0.080	7.92	<0.001	17.80	0.143	2.540	13.50	0.827	0.625	44.20	0.524	0.124	3.250	<1	<0.5	<0.005	1105	<4
IL "A" claims	883	WF-11651	W1160749	N413707	grab	tvol	0.077	13.70	<0.001	11.70	0.240	2.590	13.60	0.833	0.760	104.00	<0.25	0.292	11.600	<1	0.525	<0.005	1286	<4
IL "A" claims	884	WF-11652	W1160749	N413707	grab	tvol	0.071	3.28	<0.001	3.77	0.112	7.350	20.30	0.693	0.787	53.50	0.456	0.181	4.160	<1	<0.5	<0.005	858	<4
IL "A" claims	885	WF-11653	W1160757	N413657	grab	tvol	0.082	6.82	<0.001	8.92	0.203	2.590	14.50	0.772	0.637	103.00	0.302	0.202	8.800	<1	<0.5	<0.005	1127	<4
IL "A" claims	886	WF-11654	W1160731	N413617	grab	tvol	0.122	5.04	<0.001	19.10	<0.1	0.494	8.90	0.690	<0.5	65.30	0.421	0.268	2.940	<1	<0.5	<0.005	947	<4
IL "A" claims	887	WF-11655	W1160826	N413559	grab	tvol	0.068	4.14	<0.001	30.60	0.121	1.150	8.87	0.709	<0.5	113.00	0.461	0.207	11.400	<1	0.559	<0.005	1163	<4
IL "A" claims	891	WF-11659	W1160509	N413549	grab	tvol	0.082	11.20	0.001	16.90	0.129	0.691	6.29	0.686	0.609	84.60	<0.25	0.139	7.270	<1	<0.5	<0.005	1766	<4
IL "A" claims	892	WF-11660	W1160526	N413603	grab	pms2	0.096	2.40	<0.001	12.50	<0.1	0.825	7.74	0.369	<0.5	69.40	<0.25	0.101	6.310	<1	<0.5	<0.005	1044	<4
IL "A" claims	893	WF-11661	W1160526	N413603	grab	pms2	0.066	4.68	<0.001	19.90	<0.1	1.360	10.90	0.514	<0.5	118.00	<0.25	0.116	13.600	<1	<0.5	<0.005	1542	<4
IL "A" claims	894	WF-11662	W1160530	N413611	grab	tvol	0.068	4.01	<0.001	7.16	0.127	3.340	7.19	0.588	<0.5	26.80	0.282	0.101	3.030	<1	<0.5	<0.005	1367	<4
IL "A" claims	895	WF-11663	W1160532	N413609	grab	tvol	0.069	3.85	0.003	23.10	<0.1	1.140	13.20	0.478	<0.5	136.00	<0.25	0.142	15.200	<1	<0.5	<0.005	1726	<4
IL "A" claims	896	WF-11664	W1160524	N413557	grab	tvol	0.056	4.36	<0.001	10.80	1.610	0.899	5.49	0.642	<0.5	54.10	0.280	<0.1	4.290	<1	<0.5	<0.005	827	<4
IL "A" claims	897	WF-11665	W1160520	N413556	grab	tvol	0.071	12.50	<0.001	10.40	<0.1	4.060	6.52	0.835	<0.5	82.80	<0.25	<0.1	4.650	<1	<0.5	<0.005	1827	<4
IL "A" claims	898	WF-11666	W1160458	N413620	grab	pms2	0.101	15.50	<0.001	6.30	0.327	10.200	4.06	0.536	<0.5	18.30	<0.25	<0.1	1.580	<1	<0.5	<0.005	814	<4
IL "A" claims	1002	WF-11681	W1160544	N413715	grab	tvol	<0.015	2.44	<0.001	6.97	<0.1	3.090	5.16	0.381	<0.5	67.90	<0.25	0.166	6.250	<1	<0.5	<0.005	2911	<4
IL "A" claims	1003	WF-11682	W1160512	N413657	grab	tvol	<0.015	<1	<0.001	2.87	<0.1	5.230	4.83	0.311	<0.5	11.50	<0.25	0.168	0.885	<1	<0.5	<0.005	1842	<4
IL "A" claims	1496	WF-12416	W1160454	N413708	grab	tvol	0.030	2.59	0.002	8.45	<0.1	2.220	6.29	<0.25	<0.5	66.70	<0.25	0.182	5.820	<1	<0.5	<0.005	1396	NA
Idaho-Nevada (Mill Creek, Copper Bell)	286	WF-10823	W1160013	N414845	grab	dov3	5.440	208.00	0.005	370.00	0.443	33.400	176.00	271.000	<0.5	3474.00	2.920	7.640	<0.5	10.50	<0.5	<0.005	102	<4
Idaho-Nevada (Mill Creek, Copper Bell)	287	WF-10824	W1160013	N414845	grab	dov3	1.090	15.60	0.010	42.10	0.126	10.200	41.30	6.320	<0.5	12.30	0.470	0.355	<0.5	1.03	<0.5	<0.005	80	4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Idaho-Nevada (Mill Creek, Copper Bell)	288	WF-10825	W1160018	N414850	grab	dov3	0.276	22.30	0.002	6.01	<0.1	0.721	10.70	1.970	<0.5	6.80	<0.25	0.106	<0.5	<1	<0.5	<0.005	<25	<4
Idaho-Nevada (Mill Creek, Copper Bell)	289	WF-10826	W1160032	N414854	grab	dov3	0.804	37.10	0.009	23.90	0.990	0.543	7.94	5.580	<0.5	41.70	<0.25	0.193	2.040	<1	<0.5	<0.005	105	<4
Idaho-Nevada (Mill Creek, Copper Bell)	290	WF-10827	W1160040	N414845	grab	dov3	1.150	24.70	0.010	32.00	0.156	4.960	10.40	8.200	<0.5	103.00	<0.25	0.354	0.569	5.17	<0.5	<0.005	721	<4
Idaho-Nevada (Mill Creek, Copper Bell)	455	WF-11000	W1160003	N414902	grab	dov3	0.082	1.81	<0.001	36.40	<0.1	2.030	2.84	<0.25	<0.5	7.41	<0.25	<0.1	0.990	<1	<0.5	<0.005	176	<4
Idaho-Nevada (Mill Creek, Copper Bell)	456	WF-11001	W1160001	N414852	grab	dov3	0.524	8.75	0.003	8.38	<0.1	1.180	19.60	6.140	<0.5	20.60	<0.25	0.208	<0.5	<1	<0.5	<0.005	97	<4
Idaho-Nevada (Mill Creek, Copper Bell)	457	WF-11002	W1160002	N414853	grab	dov3	0.159	5.50	0.001	21.40	<0.1	5.000	25.40	1.620	<0.5	65.00	<0.25	0.242	2.590	<1	<0.5	<0.005	570	<4
Ishtar Consolidated (placer)	588	4/	W1160613	N414314	pan	4/	NA	NA	.026mg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ishtar Consolidated (placer)	589	4/	W1160619	N414309	pan	4/	NA	NA	.025mg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ishtar Consolidated (placer)	590	4/	W1160639	N414245	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
JB claims	1646	WF-12529	W1160337	N413137	grab	msc2	0.306	1.12	0.003	14.70	<0.1	9.010	1.32	<0.25	<0.5	22.80	<0.25	0.145	<0.5	<1	<0.5	<0.005	2666	NA
JB claims	1647	WF-12530	W1160333	N413153	grab	pms2	0.019	<1	0.002	28.30	<0.1	18.700	5.67	<0.25	<0.5	42.20	<0.25	<0.1	0.638	<1	<0.5	<0.005	11373	NA
JB claims	1648	WF-12531	W1160332	N413208	grab	pms2	0.100	3.13	0.003	29.80	<0.1	7.870	5.65	0.551	<0.5	36.50	<0.25	<0.1	2.030	<1	<0.5	<0.005	4666	NA
JB claims	1649	WF-12532	W1160323	N413200	grab	pms2	0.017	4.30	0.004	23.40	<0.1	15.500	2.37	<0.25	<0.5	15.00	<0.25	<0.1	0.538	<1	<0.5	<0.005	8221	NA
Jet nos. 1-86	1119	WF-11968	W1155607	N411808	grab	dov1	0.215	265.00	0.004	26.30	0.101	0.832	9.76	3.010	<0.5	71.90	<0.25	0.510	0.589	<1	<0.5	<0.005	1861	<4
Jet nos. 1-86	1120	WF-11969	W1155610	N411825	grab	dov1	0.029	5.75	0.002	10.80	<0.1	18.200	7.73	1.870	<0.5	7.07	<0.25	<0.1	<0.5	<1	<0.5	<0.005	545	<4
Jet nos. 1-86	1121	WF-11970	W1155632	N411900	grab	dov1	0.026	2.70	0.002	5.67	<0.1	0.867	1.29	1.380	<0.5	1.97	<0.25	<0.1	<0.5	<1	<0.5	<0.005	243	<4
Jet nos. 1-86	1123	WF-11972	W1155651	N411845	grab	dov1	0.104	5.00	0.002	11.20	<0.1	1.240	7.61	0.742	<0.5	42.80	<0.25	0.327	<0.5	<1	<0.5	<0.005	461	<4
Jet nos. 1-86	1124	WF-11973	W1155613	N411833	grab	dov1	0.089	4.21	0.002	10.90	<0.1	4.180	7.51	0.825	<0.5	39.20	<0.25	0.421	<0.5	<1	<0.5	<0.005	703	<4
Jim Beam nos. 1-8	1443	WF-12307	W1160910	N414246	grab	pmi3	2.500	82.00	0.008	6.76	<0.1	3.880	398.00	2.560	<0.5	297.00	0.607	21.400	<0.5	<1	0.785	<0.005	<25	NA
Jim Beam nos. 1-8	1444	WF-12308	W1160924	N414247	grab	pmi3	0.125	73.50	0.006	17.20	<0.1	1.920	22.70	2.230	<0.5	74.90	<0.25	1.390	5.380	<1	<0.5	<0.005	640	NA
Jim Beam nos. 1-8	1445	WF-12309	W1160933	N414250	select	pmi3	92.700	522.00	0.082	2510.00	<0.1	8.420	9493.00	3516.000	<0.5	756.00	5.470	32.000	12.200	<1	35.800	<0.005	797	NA
KAR claims (Big Springs)	1456	WF-12320	W1155435	N413337	grab	ccm2	0.029	8.45	0.001	11.80	<0.1	0.957	4.90	4.510	<0.5	32.70	<0.25	0.375	<0.5	<1	<0.5	<0.005	42	NA
KAR claims (Big Springs)	1457	WF-12321	W1155435	N413337	grab	ccm2	0.104	6.98	0.001	15.70	<0.1	1.390	10.40	1.400	<0.5	50.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	480	NA
KAR claims (Big Springs)	1458	WF-12322	W1155435	N413337	grab	ccm2	0.072	7.36	0.001	20.60	<0.1	1.250	11.50	0.994	<0.5	71.00	<0.25	0.141	0.905	<1	<0.5	<0.005	604	NA
KAR claims (Big Springs)	1459	WF-12323	W1155435	N413337	grab	ccm2	0.081	211.00	0.003	17.40	<0.1	2.600	14.60	5.660	<0.5	60.90	<0.25	0.129	<0.5	<1	<0.5	<0.005	562	NA
KAR claims (Big Springs)	1460	WF-12324	W1155435	N413337	grab	ccm2	0.051	22.40	<0.001	21.50	<0.1	2.190	10.40	6.450	<0.5	44.30	<0.25	0.259	<0.5	<1	<0.5	<0.005	145	NA
KAR claims (Big Springs)	1466	WF-12330	W1155435	N413405	grab	ccm2	0.107	19.00	0.002	6.93	<0.1	1.330	12.10	4.000	<0.5	14.30	<0.25	0.117	<0.5	<1	<0.5	<0.005	106	NA
KAR claims (Big Springs)	1467	WF-12331	W1155435	N413405	grab	ccm2	0.107	13.40	0.003	6.47	<0.1	1.340	12.40	53.900	<0.5	24.20	<0.25	0.216	<0.5	<1	<0.5	<0.005	181	NA
KAR claims (Big Springs)	1468	WF-12332	W1155435	N413405	grab	ccm2	0.069	31.00	0.001	16.80	<0.1	0.900	10.90	3.880	<0.5	28.10	<0.25	0.102	<0.5	<1	<0.5	<0.005	372	NA
KAR claims (Big Springs)	1469	WF-12333	W1155435	N413405	grab	ccm2	0.071	23.30	0.004	6.36	<0.1	1.500	12.10	6.550	<0.5	12.60	<0.25	0.980	<0.5	<1	<0.5	<0.005	45	NA
Keystone group (patented)	596	WF-11091	W1160609	N414436	grab	pvd3	3.070	266.00	0.002	381.00	0.644	12.100	12.80	28.500	<0.5	1343.00	91.900	43.100	0.617	3.44	8.080	<0.005	115	4
Keystone group (patented)	597	WF-11092	W1160602	N414447	select	pvd3	350.000	45.00	0.013	317.00	<0.1	1.980	384.00	7635.000	<0.5	61.20	27.800	5.630	<0.5	<1	<0.5	<0.005	2305	4
Keystone group (patented)	598	WF-11093	W1160602	N414447	grab	pvd3	11.900	432.00	0.022	59.00	0.125	0.471	6.58	197.000	<0.5	149.00	0.429	1.090	0.664	<1	<0.5	<0.005	303	4
Keystone group (patented)	599	WF-11094	W1160600	N414446	grab	pvd3	1.570	12.40	0.001	8.10	<0.1	0.458	6.25	20.600	<0.5	13.30	0.822	0.136	<0.5	<1	<0.5	<0.005	<25	<4
Keystone group (patented)	600	WF-11095	W1160600	N414446	grab	pvd3	1.180	113.00	0.002	21.40	<0.1	5.220	3.15	17.600	<0.5	101.00	0.670	0.720	1.370	<1	<0.5	<0.005	397	4
LC claims	305	WF-10842	W1160339	N414453	grab	pvd3	1.350	242.00	<0.001	54.40	0.743	3.900	65.30	20.100	<0.5	277.00	2.740	1.280	5.410	<1	<0.5	<0.005	1925	<4
LC claims	574	WF-11417	W1160437	N414452	grab	pvd3	5.370	294.00	4.600	536.00	<0.1	17.200	4.03	155.000	<0.5	26.30	321.000	0.205	<0.5	5.76	35.900	<0.005	28	4
LC claims	575	WF-11418	W1160437	N414452	grab	pvd3	0.104	33.60	0.027	65.10	<0.1	0.544	1.18	11.700	<0.5	20.80	0.910	0.149	0.768	<1	<0.5	<0.005	460	<4
LC claims	576	WF-11419	W1160441	N414453	grab	pvd3	0.084	97.90	0.007	116.00	0.164	2.770	2.18	18.400	<0.5	37.90	1.550	0.250	1.320	<1	<0.5	<0.005	893	<4
LC claims	577	WF-11420	W1160456	N414432	grab	pvd3	0.112	70.00	0.003	25.80	0.132	62.300	1.52	2.490	<0.5	445.00	0.358	1.090	3.690	<1	<0.5	<0.005	1078	<4
LC claims	578	WF-11421	W1160504	N414433	grab	pvd3	0.462	3.59	0.003	3.74	<0.1	4.540	0.56	1.470	<0.5	137.00	0.791	0.289	2.870	<1	<0.5	<0.005	1078	4
LC claims	579	WF-11422	W1160504	N414433	grab	kjd3	2.420	286.00	0.002	18.50	<0.1	8.390	15.90	9.050	<0.5	34.10	0.244	0.257	<0.5	<1	<0.5	<0.005	1583	<4

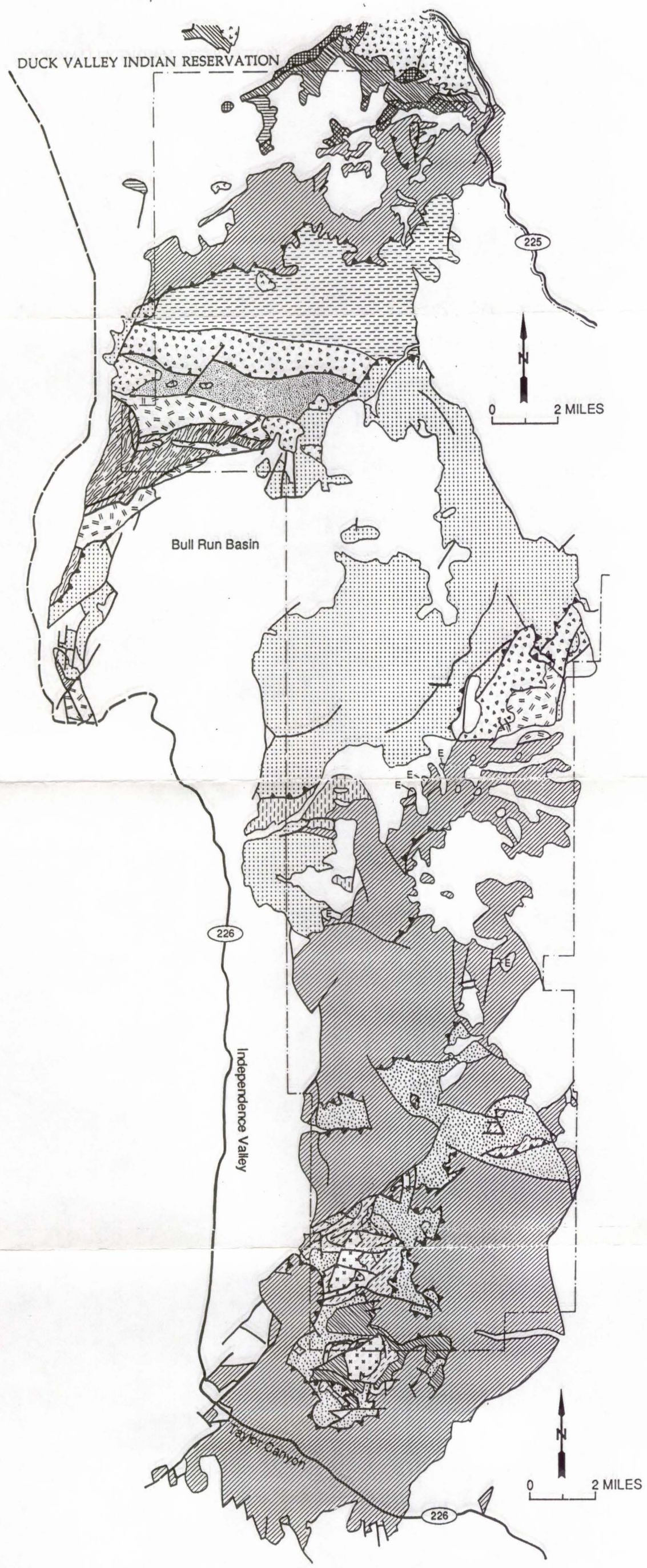

Figure 2. - Simplified geologic map of the Independence Range special study area.

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
LC claims	580	WF-11423	W1160512	N414452	select	kjd3	356.000	244.00	0.660	188.00	<0.1	3.610	297.00	96154.000	<0.5	196.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	35843	0
LC claims	581	WF-11424	W1160512	N414452	grab	kjd3	1.690	478.00	0.146	4.18	<0.1	7.930	5.21	771.000	<0.5	2.82	<0.25	<0.1	<0.5	<1	<0.5	<0.005	510	8
LC claims	584	WF-11085	W1160513	N414442	select	kjd3	1939.000	132.00	0.354	1608.00	2.000	12.300	2571.00	3971.000	<0.5	153.00	67.500	29.000	<0.5	2.84	0.502	<0.005	1071	4
LC claims	585	WF-11086	W1160533	N414453	grab	pvd3	2.430	27.00	0.002	14.10	<0.1	0.647	14.00	528.000	<0.5	12.30	3.450	0.199	<0.5	<1	<0.5	<0.005	104	<4
LC claims	586	WF-11087	W1160533	N414453	grab	pvd3	0.581	26.60	0.002	24.20	<0.1	4.870	252.00	1384.000	<0.5	27.80	0.386	<0.1	1.300	<1	<0.5	<0.005	2953	<4
LC claims	587	WF-11088	W1160517	N414450	grab	kjd3	4.700	91.00	0.001	12.50	<0.1	1.400	16.70	29.100	<0.5	57.00	0.425	0.245	1.670	<1	<0.5	<0.005	1334	<4
LC claims	1220	WF-12140	W1160351	N414408	grab	pvd3	0.239	9.51	0.002	2.78	<0.1	3.890	2.76	1.450	<0.5	49.20	<0.25	0.550	<0.5	<1	<0.5	<0.005	<25	NA
LC claims	1221	WF-12141	W1160328	N414405	grab	pvd3	0.271	9.76	0.001	13.80	<0.1	0.701	22.70	3.350	<0.5	77.70	<0.25	1.090	<0.5	<1	<0.5	<0.005	97	NA
LC claims	1222	WF-12142	W1160315	N414405	grab	pvd3	0.286	6.25	<0.001	9.10	<0.1	1.460	16.30	2.850	<0.5	55.00	<0.25	0.546	<0.5	<1	<0.5	<0.005	<25	NA
LC claims	1223	WF-12143	W1160254	N414404	grab	pvd3	0.206	62.90	0.014	36.00	<0.1	2.350	3.47	5.340	<0.5	94.90	<0.25	0.167	6.390	<1	<0.5	<0.005	385	NA
LC claims	1290	WF-12180	W1160420	N414448	grab	pvd3	0.524	20.60	0.002	277.00	<0.1	1.720	2.76	10.100	<0.5	216.00	0.669	1.030	2.840	<1	<0.5	<0.005	5921	NA
LC claims	1291	WF-12181	W1160419	N414459	grab	pvd3	0.053	17.20	0.001	4.14	<0.1	7.350	2.90	0.793	<0.5	7.42	<0.25	0.101	<0.5	<1	<0.5	<0.005	<25	NA
LC claims	1292	WF-12182	W1160420	N414453	grab	kjd3	0.629	471.00	0.005	130.00	1.120	1.770	5.50	17.300	<0.5	314.00	1.400	2.770	<0.5	<1	<0.5	<0.005	2280	NA
LC claims	1293	WF-12183	W1160418	N414443	grab	pvd3	2.020	20.80	0.013	297.00	<0.1	13.000	0.74	16.200	<0.5	37.70	14.900	1.010	<0.5	<1	1.190	<0.005	<25	NA
LC claims	1294	WF-12184	W1160415	N414436	grab	pvd3	7.580	285.00	0.015	93.10	0.248	4.160	12.80	46.500	<0.5	372.00	0.866	6.560	<0.5	<1	<0.5	<0.005	487	NA
LC claims	1295	WF-12185	W1160418	N414433	grab	kjd3	0.960	25.10	0.031	517.00	<0.1	3.940	6.74	1.390	<0.5	171.00	2.990	0.948	6.520	1.88	<0.5	<0.005	7742	NA
LC claims	1296	WF-12186	W1160433	N414414	grab	pvd3	22.100	676.00	0.028	85.20	0.990	6.520	15.00	53.800	<0.5	93.00	1.160	0.687	<0.5	<1	<0.5	<0.005	1721	NA
LC claims	1297	WF-12187	W1160438	N414410	grab	pvd3	10.700	818.00	0.274	145.00	0.146	9.470	37.50	54.500	<0.5	49.10	8.690	0.371	<0.5	1.54	<0.5	<0.005	515	NA
LC claims	1298	WF-12188	W1160443	N414407	grab	pvd3	83.000	1213.00	0.085	172.00	4.510	8.640	111.00	107.000	<0.5	136.00	0.564	2.530	<0.5	3.25	<0.5	<0.005	3363	NA
LC claims	1299	WF-12189	W1160450	N414404	grab	pvd3	0.339	28.20	0.001	4.11	<0.1	1.090	10.60	3.700	<0.5	11.30	<0.25	0.247	<0.5	<1	<0.5	<0.005	56	NA
LC claims	1300	WF-12190	W1160456	N414355	grab	pvd3	0.762	206.00	0.007	80.30	<0.1	8.100	19.70	11.000	<0.5	49.90	<0.25	0.459	<0.5	<1	<0.5	<0.005	192	NA
LC claims	1316	WF-12191	W1160522	N414347	grab	pvd3	0.517	188.00	0.045	107.00	0.547	13.300	32.20	60.700	<0.5	145.00	<0.25	1.350	<0.5	<1	<0.5	<0.005	123	NA
LC claims	1653	WF-12483	W1160252	N414404	grab	pvd3	0.216	56.00	0.027	28.70	<0.1	4.050	2.53	4.100	<0.5	95.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	376	NA
Lama claims	1372	WF-12236	W1155726	N413115	grab	dov1	0.352	92.90	0.001	10.30	1.590	13.500	2.04	66.000	<0.5	5.71	<0.25	<0.1	<0.5	<1	<0.5	<0.005	422	NA
Lama claims	1375	WF-12239	W1155726	N413134	grab	dov1	0.158	1007.00	0.011	17.10	6.050	11.700	5.63	242.000	<0.5	85.50	<0.25	<0.1	20.600	<1	<0.5	<0.005	30647	NA
Lama claims	1376	WF-12240	W1155723	N413137	grab	dov1	<0.015	24900.00	0.748	23.40	18.200	2.510	6.12	53.000	16.100	59.80	<0.25	<0.1	11.700	<1	<0.5	<0.005	508	NA
Lama claims	1378	WF-12242	W1155820	N413158	grab	dov1	0.054	21.30	0.001	4.46	0.407	8.780	1.99	8.160	<0.5	1.46	<0.25	<0.1	<0.5	<1	<0.5	<0.005	88	NA
Lama claims	1379	WF-12243	W1155816	N413207	grab	dov1	0.356	1636.00	0.009	20.90	0.342	6.290	7.24	13.800	<0.5	14.40	<0.25	0.144	<0.5	5.10	<0.5	<0.005	71	NA
Lama claims	1380	WF-12244	W1155813	N413209	grab	dov1	0.138	342.00	0.001	22.30	3.840	6.820	8.23	59.800	3.400	32.70	<0.25	0.450	1.400	<1	<0.5	<0.005	412	NA
Lama claims	1381	WF-12245	W1155752	N413217	grab	dov1	0.115	94.50	0.001	4.01	0.851	14.500	3.42	9.220	<0.5	1.83	<0.25	<0.1	0.513	<1	<0.5	<0.005	1887	NA
Lama claims	1523	WF-12370	W1155914	N413123	grab	dov1	0.050	27.50	0.028	3.92	0.354	7.430	0.98	9.810	<0.5	1.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Lama claims	1524	WF-12371	W1155919	N413135	grab	pem1	0.079	45.60	0.022	5.78	6.560	13.500	6.23	22.300	<0.5	4.29	<0.25	<0.1	<0.5	<1	<0.5	<0.005	410	NA
Lama claims	1525	WF-12372	W1155922	N413143	grab	pem1	0.146	81.20	<0.001	9.99	10.700	9.690	7.70	357.000	<0.5	<1	<0.25	<0.1	12.100	<1	<0.5	<0.005	520	NA
Leta nos. 1-26 (Big Springs)	845	WF-11617	W1160025	N413238	grab	pms2	0.047	<1	0.003	24.70	<0.1	0.657	4.15	0.470	<0.5	158.00	<0.25	<0.1	22.000	<1	<0.5	<0.005	415	<4
Leta nos. 1-26 (Big Springs)	846	WF-11618	W1160026	N413239	grab	pms2	<0.015	<1	0.028	51.40	<0.1	1.750	<0.25	<0.25	<0.5	135.00	<0.25	<0.1	13.800	<1	<0.5	<0.005	1276	<4
Leta nos. 1-26 (Big Springs)	847	WF-11619	W1160015	N413229	grab	pms2	0.142	2.90	0.001	2.95	0.137	0.567	1.91	0.450	<0.5	35.60	<0.25	0.238	0.908	<1	<0.5	<0.005	92	<4
Leta nos. 1-26 (Big Springs)	848	WF-11620	W1160016	N413227	grab	pms2	0.218	4.16	0.001	10.30	<0.1	0.882	5.14	0.873	<0.5	19.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	484	<4
Lime Mountain mine (patented)	323	WF-10860	W1161148	N413423	grab	pms3	0.347	168.00	0.009	408.00	<0.1	67.000	6.71	7.670	<0.5	600.00	2.890	1.550	5.820	4.22	0.610	<0.005	837	<4
Lime Mountain mine (patented)	324	WF-10861	W1161144	N413421	grab	pms3	0.133	42.10	<0.001	30.90	<0.1	1.830	8.91	4.070	<0.5	66.40	0.254	0.665	<0.5	<1	<0.5	<0.005	474	<4
Lime Mountain mine (patented)	325	WF-10862	W1161138	N413420	grab	pms3	0.142	19.90	<0.001	14.20	<0.1	11.900	4.08	2.320	<0.5	26.90	<0.25	0.139	<0.5	<1	<0.5	<0.005	1850	<4
Lime Mountain mine (patented)	326	WF-10863	W1161109	N413349	select	ccm3	61.900	164.00	2.750	45800.00	<0.1	<0.1	33.80	3537.000	<0.5	42900.00	339.000	412.000	<0.5	28.60	17.300	<0.005	498	<4
Lime Mountain mine (patented)	327	WF-10864	W1161202	N413346	grab	ccm3	0.495	12.30	0.009	128.00	<0.1	1.270	8.95	16.800	<0.5	180.00	<0.25	1.690	<0.5	<1	<0.5	<0.005	891	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Lime Mountain mine (patented)	328	WF-10865	W1161200	N413348	grab	ccm3	0.132	3.99	0.001	41.80	<0.1	1.450	4.01	3.930	<0.5	194.00	<0.25	0.844	0.546	<1	<0.5	<0.005	103	<4
Lime Mountain mine (patented)	329	WF-10866	W1161157	N413347	grab	ccm3	0.188	2.65	0.003	120.00	<0.1	6.820	7.49	5.990	<0.5	132.00	0.265	1.040	1.530	<1	<0.5	<0.005	1523	<4
Lime Mountain mine (patented)	481	WF-11026	W1161121	N413352	select	ccm3	23.900	19.10	6.530	27700.00	<0.1	41.700	10.80	229.000	<0.5	137000.00	1151.000	1128.000	<0.5	54.30	122.000	<0.005	209	16
Lime Mountain mine (patented)	482	WF-11027	W1161121	N413351	grab	ccm3	0.731	37.60	0.980	136.00	<0.1	7.620	8.98	4.600	<0.5	490.00	13.200	3.410	<0.5	1.46	1.180	<0.005	20	<4
Lime Mountain mine (patented)	483	WF-11028	W1161121	N413351	select	ccm3	387.000	43.90	38.400	37100.00	<0.1	35.000	231.00	20.400	<0.5	25300.00	7594.000	183.000	<0.5	54.00	393.000	<0.005	120	4
Lime Mountain mine (patented)	484	WF-11029	W1161121	N413351	select	ccm3	54.300	153.00	4.780	22100.00	<0.1	111.000	42.80	319.000	<0.5	25600.00	646.000	206.000	<0.5	35.10	59.500	<0.005	281	4
Lime Mountain mine (patented)	485	WF-11030	W1161124	N413339	grab	ccm3	0.821	36.70	0.046	130.00	<0.1	7.080	7.57	4.450	<0.5	292.00	8.790	1.820	<0.5	1.37	0.903	<0.005	449	<4
Lime Mountain mine (patented)	486	WF-11031	W1161124	N413339	grab	ccm3	0.287	12.20	0.176	51.40	<0.1	1.140	4.47	1.090	<0.5	171.00	3.380	1.120	<0.5	<1	<0.5	<0.005	63	<4
Lime Mountain mine (patented)	487	WF-11032	W1161118	N413349	grab	tvol	1.250	5.30	0.058	187.00	<0.1	0.661	4.51	1.370	<0.5	221.00	28.700	0.945	7.900	<1	1.340	<0.005	905	<4
Lime Mountain mine (patented)	488	WF-11033	W1161120	N413339	grab	ccm3	0.413	15.70	0.009	68.30	<0.1	0.475	4.23	2.680	<0.5	163.00	4.290	0.838	3.460	<1	<0.5	<0.005	1097	<4
Lime Mountain mine (patented)	489	WF-11034	W1161120	N413339	grab	ccm3	0.842	56.80	0.013	84.40	<0.1	7.420	9.79	10.900	<0.5	217.00	2.610	1.020	1.630	2.26	<0.5	<0.005	1067	<4
Lime Mountain mine (patented)	490	WF-11035	W1161116	N413350	select	ccm3	52.100	302.00	1.820	17800.00	<0.1	<0.1	27.80	2856.000	<0.5	28100.00	359.000	257.000	<0.5	19.00	50.500	<0.005	682	<4
Lime Mountain mine (patented)	491	WF-11036	W1161116	N413350	select	kjd3	0.412	<1	0.006	30.20	<0.1	9.940	23.00	2.510	<0.5	82.00	<0.25	1.080	<0.5	<1	<0.5	<0.005	194	<4
Lime Mountain mine (patented)	492	WF-11037	W1161112	N413344	grab	ccm3	240.000	13.30	0.496	350.00	2.790	11.900	4437.00	3.580	<0.5	6653.00	1140.000	53.900	<0.5	16.10	118.000	<0.005	227	32
Lime Mountain mine (patented)	493	WF-11038	W1161118	N413354	grab	ccm3	0.496	118.00	0.010	129.00	<0.1	7.250	3.47	4.100	<0.5	44.90	1.100	0.308	<0.5	1.22	<0.5	<0.005	18	<4
Lime Mountain mine (patented)	494	WF-11039	W1161118	N413354	chip	ccm3	10.300	80.20	0.547	15400.00	<0.1	57.100	7.71	226.000	<0.5	339.00	2.150	4.450	<0.5	5.13	0.588	<0.005	51	<4
Lime Mountain mine (patented)	495	4/	W1161118	N413354	grab	ccm3	3.300	15.60	1.620	190.00	0.125	18.400	20.00	9.040	<0.5	186.00	244.000	0.368	<0.5	13.90	34.700	<0.005	105	<4
Lime Mountain mine (patented)	496	WF-11040	W1161109	N413346	grab	ccm3	0.449	89.20	0.004	48.30	<0.1	1.330	8.99	8.520	<0.5	54.30	2.580	0.332	0.730	<1	<0.5	<0.005	132	<4
Lime Mountain mine (patented)	497	WF-11041	W1161121	N413352	grab	ccm3	0.083	6.49	0.001	6.41	<0.1	2.840	5.85	0.599	<0.5	38.20	0.581	0.278	<0.5	<1	<0.5	<0.005	1415	<4
Lime Mountain mine (patented)	514	WF-11058	W1161136	N413419	grab	pms3	1.060	17.40	0.010	33.90	<0.1	10.900	5.10	2.030	<0.5	121.00	<0.25	0.355	0.633	<1	<0.5	<0.005	1277	<4
Lime Mountain mine (patented)	515	WF-11059	W1161129	N413418	grab	tvol	0.545	32.60	0.008	30.50	<0.1	2.590	18.20	1.990	<0.5	147.00	1.510	0.481	3.190	<1	<0.5	<0.005	288	<4
Lime Mountain mine (patented)	516	WF-11060	W1161129	N413418	grab	ccm3	0.169	2.95	0.005	11.40	<0.1	3.850	17.00	0.750	<0.5	31.80	<0.25	0.145	0.905	<1	<0.5	<0.005	219	<4
Lime Mountain mine (patented)	517	WF-11061	W1161129	N413416	grab	ccm3	0.312	7.15	0.005	27.30	<0.1	0.484	10.90	1.090	<0.5	196.00	0.279	0.616	7.080	<1	<0.5	<0.005	1600	<4
Lime Mountain mine (patented)	518	WF-11062	W1161128	N413415	grab	ccm3	3.250	76.40	0.037	105.00	<0.1	5.630	12.10	6.190	<0.5	102.00	0.289	0.396	0.947	<1	<0.5	<0.005	202	<4
Lime Mountain mine (patented)	519	WF-11063	W1161129	N413412	chip	ccm3	0.311	16.70	0.004	33.80	<0.1	0.890	3.54	3.800	<0.5	226.00	0.373	1.160	<0.5	<1	<0.5	<0.005	39	<4
Lime Mountain mine (patented)	520	WF-11064	W1161129	N413412	select	ccm3	23.100	256.00	0.054	7487.00	0.578	2.680	8.04	1137.000	<0.5	7357.00	1.940	109.000	<0.5	3.19	<0.5	<0.005	668	<4
Lin claims (Big Springs)	1350	WF-12225	W1155550	N413359	grab	ccm2	5.730	643.00	0.050	82.80	1.440	22.300	710.00	56.800	<0.5	15.60	<0.25	0.325	<0.5	57.10	<0.5	<0.005	570	NA
Lin claims (Big Springs)	1451	WF-12315	W1155527	N413359	grab	ccm2	0.123	6.49	0.006	4.75	<0.1	7.730	6.92	1.740	<0.5	4.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	173	NA
Lucky Girl group (patented)	29	WF-9527	W1161009	N414011	grab	cpm3	7.930	206.00	0.205	160.00	0.487	1.130	443.00	115.000	<0.5	64.40	<0.25	1.640	<0.5	<1	<0.5	<0.005	41	<4
Lucky Girl group (patented)	30	WF-9528	W1161009	N414016	grab	cpm3	0.651	163.00	0.022	19.30	3.500	0.980	14.50	11.000	<0.5	29.90	<0.25	0.263	<0.5	<1	<0.5	<0.005	266	4
Lucky Girl group (patented)	31	WF-9529	W1160956	N414035	chip	cpm3	6.130	619.00	3.350	126.00	<0.1	1.500	2340.00	44.700	<0.5	47.90	<0.25	0.888	<0.5	<1	0.498	<0.005	136	<4
Lucky Girl group (patented)	32	WF-9530	W1160956	N414035	chip	cpm3	8.080	197.00	9.770	115.00	0.127	0.830	1184.00	37.100	<0.5	70.70	<0.25	0.760	<0.5	<1	0.597	<0.005	106	<4
Lucky Girl group (patented)	33	WF-9531	W1160956	N414035	chip	cpm3	8.070	241.00	2.750	53.70	0.217	1.060	2036.00	31.800	<0.5	19.50	<0.25	0.223	<0.5	<1	0.777	<0.005	45	<4
Lucky Girl group (patented)	34	WF-9532	W1160956	N414035	chip	cpm3	2.490	163.00	1.690	25.70	<0.1	1.000	361.00	7.470	<0.5	25.10	<0.25	0.310	<0.5	<1	<0.5	<0.005	92	<4
Lucky Girl group (patented)	35	WF-9533	W1160956	N414035	chip	cpm3	5.470	103.00	0.002	25.00	<0.1	0.625	549.00	5.080	<0.5	12.00	0.260	0.157	<0.5	<1	0.506	<0.005	57	<4
Lucky Girl group (patented)	36	WF-9534	W1160956	N414035	chip	cpm3	0.770	62.10	0.858	23.70	0.980	0.560	29.00	2.250	<0.5	45.90	<0.25	0.439	<0.5	<1	<0.5	<0.005	419	<4
Lucky Girl group (patented)	37	WF-9535	W1160956	N414035	chip	cpm3	1.440	127.00	1.170	36.20	0.113	0.763	272.00	3.410	<0.5	33.00	<0.25	0.393	<0.5	<1	<0.5	<0.005	175	4
Lucky Girl group (patented)	38	WF-9536	W1160956	N414035	chip	cpm3	14.400	360.00	10.100	96.50	0.147	1.320	5021.00	28.200	<0.5	19.80	1.500	0.280	<0.5	<1	1.030	<0.005	31	<4
Lucky Girl group (patented)	39	WF-9537	W1160956	N414035	chip	cpm3	2.090	81.70	0.002	81.70	0.255	0.934	424.00	8.240	<0.5	10.60	<0.25	0.100	<0.5	<1	<0.5	<0.005	22	4
Lucky Girl group (patented)	40	WF-9538	W1160956	N414035	chip	cpm3	37.700	639.00	34.100	220.00	0.454	1.310	2723.00	62.600	<0.5	68.50	0.558	0.422	<0.5	<1	1.490	<0.005	60	4
Lucky Girl group (patented)	41	WF-9539	W1160956	N414035	chip	cpm3	5.850	220.00	4.200	84.00	0.130	0.818	625.00	22.400	<0.5	24.40	<0.25	0.245	<0.5	<1	<0.5	<0.005	50	4
Lucky Girl group (patented)	42	WF-9540	W1160956	N414035	chip	cpm3	47.900	339.00	10.200	218.00	0.384	1.220	5307.00	85.200	<0.5	74.50	1.160	0.751	<0.5	<1	1.140	<0.005	31	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Lucky Girl group (patented)	43	WF-9541	W1160944	N414038	select	cpm3	4.840	2971.00	2.380	17.10	<0.1	0.578	429.00	42.200	<0.5	17.80	1.540	0.248	<0.5	<1	0.659	<0.005	19	<4
Lucky Girl group (patented)	44	WF-9542	W1160945	N414036	select	cpm3	41.700	13600.00	35.300	23.70	1.030	1.250	5756.00	19.200	<0.5	<1	30.100	<0.1	<0.5	<1	13.100	<0.005	1	<4
Lucky Girl group (patented)	45	WF-9543	W1160950	N414032	grab	cpm3	3.790	945.00	0.002	66.90	<0.1	1.080	327.00	12.600	<0.5	101.00	2.650	4.710	<0.5	<1	0.524	<0.005	98	<4
Lucky Girl group (patented)	46	WF-9544	W1160955	N414030	grab	cpm3	10.000	681.00	6.500	67.60	0.299	0.866	1495.00	52.000	<0.5	117.00	0.633	6.320	<0.5	<1	0.760	<0.005	71	16
Lucky Girl group (patented)	47	WF-9545	W1161009	N414016	grab	cpm3	1.350	204.00	0.068	19.60	0.573	1.120	24.40	10.400	<0.5	21.70	<0.25	0.130	<0.5	<1	<0.5	<0.005	688	<4
Lucky Girl group (patented)	48	WF-9546	W1161009	N414016	grab	cpm3	4.190	1012.00	0.884	53.20	0.225	0.730	347.00	28.600	<0.5	145.00	0.254	3.690	<0.5	<1	<0.5	<0.005	681	<4
Lucky Girl group (patented)	49	WF-9547	W1161009	N414016	grab	cpm3	2.820	400.00	2.100	52.60	0.305	0.822	249.00	20.700	<0.5	72.60	<0.25	1.190	<0.5	<1	<0.5	<0.005	409	4
Lucky Girl group (patented)	50	WF-9548	W1161009	N414016	select	cpm3	42.100	5820.00	16.700	404.00	1.730	3.340	7014.00	330.000	<0.5	4029.00	4.180	163.000	<0.5	<1	<0.5	<0.005	39	<4
Lucky Girl group (patented)	78	WF-9576	W1160957	N414034	chip	cpm3	7.480	697.00	3.500	115.00	0.109	1.150	2035.00	47.200	<0.5	127.00	<0.25	1.580	<0.5	<1	0.514	<0.005	110	4
Lucky Girl group (patented)	79	WF-9577	W1160957	N414034	chip	cpm3	80.700	195.00	5.600	93.40	0.195	1.120	3203.00	85.900	<0.5	41.10	1.210	0.399	<0.5	<1	1.980	<0.005	142	<4
Lucky Girl group (patented)	80	WF-9578	W1160957	N414034	chip	cpm3	4.880	172.00	1.540	35.50	<0.1	0.901	1271.00	13.500	<0.5	11.40	0.816	0.257	<0.5	<1	0.511	<0.005	154	<4
Lucky Girl group (patented)	81	WF-9579	W1160957	N414034	chip	cpm3	23.800	398.00	5.270	153.00	1.700	<0.1	4918.00	72.000	<0.5	41.40	<0.25	<0.1	<0.5	<1	<0.5	<0.005	16	<4
Lucky Girl group (patented)	82	WF-9580	W1160957	N414034	chip	cpm3	8.240	155.00	10.300	134.00	1.220	<0.1	397.00	47.200	<0.5	48.90	<0.25	<0.1	<0.5	<1	<0.5	<0.005	46	<4
Lucky Girl group (patented)	83	WF-9581	W1160957	N414034	chip	cpm3	20.400	71.80	67.200	103.00	2.330	<0.1	2560.00	5.220	<0.5	541.00	<0.25	13.100	<0.5	<1	<0.5	<0.005	141	4
Lucky Girl group (patented)	84	WF-9582	W1161001	N414024	grab	cpm3	0.222	90.50	0.091	12.10	<0.1	0.616	56.80	4.050	<0.5	48.50	<0.25	0.326	0.700	<1	<0.5	<0.005	588	<4
Lucky Girl group (patented)	85	WF-9583	W1161000	N414023	grab	cpm3	3.300	1102.00	1.340	64.70	0.228	0.682	342.00	42.100	<0.5	235.00	<0.25	7.980	<0.5	<1	<0.5	<0.005	482	<4
Lucky Girl group (patented)	86	WF-9584	W1161000	N414023	grab	cpm3	15.000	780.00	0.735	18.80	0.129	0.969	1265.00	113.000	<0.5	16.80	0.559	0.393	<0.5	<1	<0.5	<0.005	13	<4
Lucky Girl group (patented)	87	WF-9585	W1161004	N414021	grab	cpm3	31.500	307.00	10.100	124.00	<0.1	1.640	7413.00	312.000	<0.5	33.10	1.510	0.542	<0.5	1.00	1.690	<0.005	208	<4
Lucky Girl group (patented)	88	WF-9586	W1161005	N414019	grab	cpm3	16.100	229.00	10.300	150.00	0.252	1.320	1110.00	136.000	<0.5	68.70	3.020	0.728	<0.5	<1	1.230	<0.005	103	<4
Lucky Girl group (patented)	97	WF-9595	W1161009	N414011	chip	cpm3	0.695	182.00	0.113	14.50	<0.1	1.180	29.30	4.920	<0.5	16.80	<0.25	0.158	<0.5	<1	<0.5	<0.005	312	<4
Lucky Girl group (patented)	98	WF-9596	W1161009	N414011	grab	cpm3	111.000	1528.00	4.800	1577.00	1.940	2.470	9579.00	472.000	<0.5	3568.00	<0.25	34.100	<0.5	<1	<0.5	<0.005	159	<4
Lucky Girl group (patented)	99	WF-9597	W1161010	N414009	select	cpm3	0.800	21.70	0.055	20.50	<0.1	<0.1	22.30	<0.25	<0.5	31.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	183	<4
Lucky Girl group (patented)	100	WF-9598	W1161013	N414006	grab	cpm3	2.010	354.00	0.862	14.90	<0.1	1.260	16.70	6.300	<0.5	6.87	<0.25	0.166	<0.5	<1	<0.5	<0.005	137	<4
Lucky nos. 1-11	509	WF-11053	W1155819	N414835	grab	dov3	0.687	16.50	0.008	26.00	0.129	9.720	19.30	8.240	<0.5	123.00	1.260	1.850	5.760	5.88	<0.5	<0.005	517	4
Lucky nos. 1-11	510	WF-11054	W1155811	N414838	grab	dov3	102.000	545.00	0.527	220.00	6.410	1.780	314.00	152.000	<0.5	164.00	463.000	2.300	<0.5	13.30	1.780	<0.005	861	4
Lucky nos. 1-11	1547	WF-12434	W1155745	N414837	grab	dov3	0.201	1.77	0.003	6.81	<0.1	5.930	6.16	1.190	<0.5	7.75	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Lucky nos. 1-11	1548	WF-12435	W1155738	N414840	grab	dov3	0.047	16.60	0.001	63.50	0.268	0.688	6.91	0.900	<0.5	150.00	<0.25	0.406	6.770	<1	<0.5	<0.005	849	NA
MC nos. 1-66 (Big Springs)	736	WF-11538	W1160319	N412824	grab	pms2	0.278	73.50	0.055	7.82	1.970	0.787	1.51	6.600	<0.5	7.59	<0.25	<0.1	<0.5	1.19	<0.5	<0.005	183	<4
MC nos. 1-66 (Big Springs)	737	WF-11539	W1160313	N412824	grab	pms2	0.166	28.80	0.001	8.55	0.723	7.330	2.50	7.830	<0.5	14.70	<0.25	<0.1	0.751	<1	<0.5	<0.005	947	<4
MC nos. 1-66 (Big Springs)	738	WF-11540	W1160314	N412827	grab	pms2	0.246	122.00	0.002	14.80	1.380	1.580	3.57	44.200	1.510	21.60	<0.25	<0.1	0.984	<1	<0.5	<0.005	1646	<4
MC nos. 1-66 (Big Springs)	1639	WF-12522	W1160250	N412836	grab	pms2	0.097	26.70	0.005	5.77	0.633	19.700	1.66	15.800	<0.5	5.22	<0.25	<0.1	0.502	<1	<0.5	<0.005	1077	NA
Mahala nos. 1-229	1049	WF-11909	W1155532	N412034	grab	dov1	0.036	1.65	0.001	6.94	<0.1	0.416	0.82	0.335	<0.5	3.19	<0.25	<0.1	<0.5	<1	<0.5	<0.005	469087	<4
Mahala nos. 1-229	1050	WF-11910	W1155459	N412101	grab	dov1	0.906	21.30	0.007	85.40	0.205	18.800	32.60	4.810	<0.5	285.00	<0.25	3.240	3.440	4.81	<0.5	<0.005	12790	<4
Mahala nos. 1-229	1101	WF-11950	W1155459	N412101	grab	dov1	0.033	1.73	0.001	20.50	<0.1	1.410	0.70	0.481	<0.5	31.20	<0.25	0.127	3.630	<1	<0.5	<0.005	1765	<4
Mahala nos. 1-229	1102	WF-11951	W1155513	N412103	grab	dov1	0.038	<1	0.001	3.92	<0.1	6.580	0.68	0.583	<0.5	5.71	<0.25	0.128	<0.5	<1	<0.5	<0.005	1446	<4
Mahala nos. 1-229	1103	WF-11952	W1155524	N412108	grab	dov1	2.380	14.00	0.034	29.90	0.543	3.560	15.60	4.080	0.641	89.20	<0.25	1.490	1.660	1.82	<0.5	<0.005	503	<4
Mahala nos. 1-229	1104	WF-11953	W1155530	N412115	grab	dov1	0.095	2.40	<0.001	8.00	<0.1	3.640	6.10	0.989	<0.5	23.20	<0.25	0.213	<0.5	<1	<0.5	<0.005	1280	<4
Mahala nos. 1-229	1109	WF-11958	W1155512	N411924	grab	dov1	0.028	5.71	0.002	19.00	<0.1	3.330	1.52	0.893	<0.5	44.50	<0.25	0.238	<0.5	<1	<0.5	<0.005	183	<4
Mahala nos. 1-229	1110	WF-11959	W1155545	N411949	grab	dov1	0.026	2.72	0.001	3.38	<0.1	3.470	3.87	0.682	<0.5	7.89	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1063	<4
Mahala nos. 1-229	1111	WF-11960	W1155550	N411956	grab	dov1	0.053	1.92	0.002	4.83	<0.1	1.660	3.99	0.587	<0.5	18.20	<0.25	0.156	<0.5	<1	<0.5	<0.005	613	<4
Mahala nos. 1-229	1112	WF-11961	W1155617	N412012	grab	dov1	0.041	7.66	0.008	62.10	<0.1	9.000	3.26	0.647	<0.5	115.00	<0.25	0.997	0.778	<1	<0.5	<0.005	196	<4
Mahala nos. 1-229	1113	WF-11962	W1155656	N412017	grab	dov1	0.069	1.53	0.002	18.80	<0.1	0.948	1.91	0.534	<0.5	18.00	<0.25	0.141	<0.5	1.38	<0.5	<0.005	1181	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Mahala nos. 1-229	1114	WF-11963	W1155732	N412028	grab	dov1	0.016	0.99	0.002	51.10	<0.1	0.730	0.48	<0.25	<0.5	37.30	<0.25	<0.1	7.680	<1	<0.5	<0.005	1102	<4
Mahala nos. 1-229	1115	WF-11964	W1155842	N412025	grab	dov1	0.035	3.18	0.002	18.60	<0.1	1.300	2.10	0.596	<0.5	35.30	<0.25	0.499	<0.5	<1	<0.5	<0.005	579	<4
Mahala nos. 1-229	1116	WF-11965	W1155838	N412031	grab	dov1	0.135	29.40	0.002	8.21	0.138	20.100	125.00	4.300	<0.5	6.14	<0.25	0.254	1.530	1.35	<0.5	<0.005	1091	<4
Mahala nos. 1-229	1122	WF-11971	W1155617	N411918	grab	dov1	0.039	8.55	0.002	4.12	<0.1	8.110	1.18	1.820	<0.5	7.83	<0.25	0.238	<0.5	<1	<0.5	<0.005	567	<4
Mahala nos. 1-229	1136	WF-11985	W1155833	N412022	grab	dov1	0.114	1.04	0.001	40.50	<0.1	0.327	3.52	0.720	<0.5	45.90	<0.25	0.308	3.160	<1	<0.5	<0.005	623	<4
Mahala nos. 1-229	1137	WF-11986	W1155835	N412022	grab	dov1	0.022	2.49	0.002	3.56	<0.1	0.412	2.30	0.319	<0.5	15.80	<0.25	0.111	<0.5	<1	<0.5	<0.005	323	<4
Max group	1574	WF-12438	W1160732	N414520	grab	dov3	0.241	71.70	0.006	38.90	0.197	5.300	10.40	7.100	<0.5	97.00	<0.25	0.530	<0.5	<1	<0.5	<0.005	376	NA
Max group	1580	WF-12444	W1160759	N414528	grab	dov3	0.153	35.70	0.002	75.90	0.167	15.900	5.91	6.730	<0.5	140.00	<0.25	0.647	<0.5	<1	<0.5	<0.005	467	NA
Mayflower-Bronze group (patent)	294	WF-10831	W1160026	N414933	grab	mcs3	0.332	14.50	0.010	14.80	<0.1	0.874	3.44	1.420	<0.5	17.90	<0.25	<0.1	1.580	<1	<0.5	<0.005	5021	<4
Mayflower-Bronze group (patent)	372	WF-10909	W1155945	N414926	grab	mcs3	2.290	23.90	0.014	7.94	<0.1	0.681	3.74	10.100	<0.5	12.00	<0.25	0.120	<0.5	<1	<0.5	<0.005	886	4
Mayflower-Bronze group (patent)	373	WF-10910	W1155952	N414927	grab	mcs3	206.000	18.00	0.118	99.70	<0.1	1.160	302.00	23.000	<0.5	282.00	<0.25	1.470	<0.5	<1	<0.5	<0.005	48	<4
Mayflower-Bronze group (patent)	374	WF-10911	W1155950	N414927	grab	mcs3	0.386	1.87	0.002	15.00	<0.1	0.266	3.34	0.908	0.678	48.90	<0.25	<0.1	7.100	<1	<0.5	<0.005	4381	<4
Mayflower-Bronze group (patent)	375	WF-10912	W1155949	N414927	grab	mcs3	3.970	8.75	0.003	31.10	<0.1	0.564	33.00	7.430	<0.5	63.80	<0.25	0.174	1.780	<1	<0.5	<0.005	5186	<4
Mill View nos. 1-10	1625	WF-12508	W1155313	N413458	grab	qal2	0.114	25.60	0.003	15.50	<0.1	3.360	5.64	5.500	<0.5	71.20	<0.25	0.189	0.856	<1	<0.5	<0.005	508	NA
Miller nos. 1-12	1410	WF-12274	W1160726	N414050	grab	cpm3	0.623	9.42	<0.001	5.76	<0.1	8.770	19.10	1.510	<0.5	13.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Miller nos. 1-12	1411	WF-12275	W1160728	N414055	grab	cpm3	0.105	5.04	0.006	10.20	<0.1	3.700	12.90	1.750	<0.5	8.82	0.261	<0.1	0.493	<1	<0.5	<0.005	576	NA
Miller nos. 1-12	1412	WF-12276	W1160728	N414055	grab	cpm3	0.138	11.20	0.005	12.20	<0.1	6.310	41.40	2.060	<0.5	36.70	<0.25	0.292	<0.5	<1	<0.5	<0.005	228	NA
Miller nos. 1-12	1413	WF-12277	W1160733	N414055	grab	cpm3	0.316	13.50	0.007	11.10	<0.1	6.230	36.30	1.810	<0.5	26.40	<0.25	0.160	<0.5	<1	<0.5	<0.005	279	NA
Millionaria claims	521	WF-11065	W1161207	N413619	grab	pms3	1.920	43.40	1.130	31.00	0.111	3.000	10.70	7.210	<0.5	44.10	0.728	0.259	1.870	<1	<0.5	<0.005	369	<4
Millionaria claims	522	WF-11066	W1161210	N413618	grab	pms3	0.212	6.73	0.006	26.30	<0.1	0.289	29.50	1.080	<0.5	81.00	0.362	0.536	4.720	<1	<0.5	<0.005	848	<4
Millionaria claims	523	WF-11067	W1161207	N413617	grab	pms3	0.452	12.30	0.013	24.90	<0.1	0.856	31.70	2.760	<0.5	83.90	<0.25	0.722	4.050	<1	<0.5	<0.005	543	<4
Millionaria claims	524	WF-11068	W1161202	N413617	grab	pms3	0.909	8.81	0.002	30.20	<0.1	0.335	76.40	2.330	<0.5	112.00	0.371	1.110	3.880	<1	<0.5	<0.005	667	<4
Millionaria claims	525	WF-11069	W1161203	N413615	grab	pms3	0.151	4.36	0.004	22.70	<0.1	0.882	19.50	0.939	<0.5	69.10	<0.25	<0.1	4.270	<1	<0.5	<0.005	635	<4
Millionaria claims	526	WF-11070	W1161206	N413611	grab	pms3	0.290	12.70	0.010	11.50	<0.1	0.356	15.60	1.240	<0.5	59.90	0.353	0.274	3.450	<1	<0.5	<0.005	582	<4
Millionaria claims	527	WF-11071	W1161208	N413606	chip	pms3	0.271	46.00	0.004	42.30	<0.1	8.610	7.24	2.150	<0.5	71.00	<0.25	0.182	2.970	<1	<0.5	<0.005	2542	<4
Millionaria claims	528	WF-11072	W1161234	N413551	grab	pms3	0.217	21.90	0.016	13.40	<0.1	0.531	7.76	2.590	<0.5	41.40	<0.25	0.217	3.480	<1	<0.5	<0.005	608	<4
Millionaria claims	786	WF-11535	W1161211	N413616	grab	pms3	0.195	16.90	0.109	7.60	<0.1	1.090	15.60	1.590	<0.5	7.13	<0.25	<0.1	<0.5	<1	<0.5	<0.005	369	<4
Millionaria claims	787	WF-12135	W1161210	N413613	grab	pms3	1.570	67.70	0.253	7.45	<0.1	8.130	6.80	3.950	<0.5	20.30	0.245	<0.1	2.030	<1	<0.5	<0.005	518	<4
Millionaria claims	788	WF-11536	W1161221	N413549	grab	pms3	1.050	78.60	1.030	5.45	<0.1	1.810	13.20	1.600	<0.5	24.60	<0.25	<0.1	2.440	<1	<0.5	<0.005	440	<4
Millionaria claims	789	WF-11537	W1161224	N413554	grab	pms3	0.181	4.94	0.990	8.29	<0.1	11.000	6.97	0.996	<0.5	16.20	<0.25	<0.1	1.630	<1	<0.5	<0.005	273	<4
Millionaria claims	790	WF-11561	W1161228	N413552	grab	pms3	13.100	22.90	16.900	8.73	<0.1	2.560	2.75	1.470	<0.5	8.22	<0.25	<0.1	1.410	<1	<0.5	<0.005	348	<4
Millionaria claims	791	WF-11562	W1161228	N413552	grab	pms3	0.682	132.00	0.480	13.70	<0.1	1.050	4.96	2.170	<0.5	38.20	<0.25	<0.1	3.460	<1	<0.5	<0.005	369	<4
Millionaria claims	792	WF-11563	W1161226	N413548	grab	pms3	0.513	<1	0.515	10.70	<0.1	2.180	5.63	<0.25	<0.5	24.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	304	<4
Millionaria claims	793	WF-11564	W1161232	N413606	grab	pms3	0.319	28.70	0.030	38.00	<0.1	0.676	11.20	1.680	<0.5	87.00	0.286	<0.1	8.330	<1	<0.5	<0.005	768	<4
Millionaria claims	794	WF-11565	W1161230	N413618	grab	cpm3	0.269	19.20	0.049	4.17	<0.1	7.920	3.98	0.866	<0.5	11.40	<0.25	<0.1	1.100	<1	<0.5	<0.005	250	<4
Millionaria claims	795	WF-11566	W1161230	N413620	grab	cpm3	0.669	8.31	0.774	8.81	<0.1	1.100	2.97	0.468	<0.5	14.30	<0.25	<0.1	1.730	<1	<0.5	<0.005	249	<4
Millionaria claims	796	WF-11567	W1161229	N413620	grab	cpm3	0.907	24.90	0.646	5.88	<0.1	1.020	32.80	1.150	<0.5	57.80	<0.25	0.177	9.920	<1	<0.5	<0.005	182	<4
Mori claims (Big Springs)	1626	WF-12509	W1160441	N412900	grab	pms2	0.334	9.01	0.003	52.90	<0.1	9.840	4.73	2.510	<0.5	68.90	<0.25	0.119	2.360	<1	<0.5	<0.005	14025	NA
Mori claims (Big Springs)	1627	WF-12510	W1160431	N412902	grab	pms2	0.206	2.44	0.003	65.00	<0.1	5.640	4.43	0.894	<0.5	59.90	<0.25	<0.1	3.190	<1	<0.5	<0.005	20079	NA
Mountain Laurel (patented)	235	WF-10805	W1160032	N414632	grab	dov3	3.100	12.80	0.035	22.90	<0.1	11.800	10.20	88.100	<0.5	51.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	129	4
Mountain Laurel (patented)	236	WF-10806	W1160034	N414632	grab	dov3	150.000	51.50	0.074	39.00	0.236	15.500	370.00	1227.000	<0.5	55.10	<0.25	5.120	<0.5	0.99	<0.5	<0.005	393	<4
Mountain Laurel (patented)	237	WF-10807	W1160033	N414634	grab	dov3	1.090	420.00	0.061	24.30	0.163	1.050	3.72	34.200	<0.5	74.70	<0.25	0.455	<0.5	<1	<0.5	<0.005	1451	4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Mountain Laurel (patented)	238	WF-10808	W1160036	N414632	grab	dov3	1.570	1071.00	0.234	72.40	0.225	2.230	4.19	41.700	<0.5	97.40	<0.25	0.477	0.605	<1	<0.5	<0.005	2964	4
Mountain Laurel (patented)	239	WF-10809	W1160034	N414638	grab	dov3	1.430	57.30	0.032	7.62	0.259	11.700	19.10	12.900	<0.5	14.30	<0.25	0.130	<0.5	<1	<0.5	<0.005	279	4
Mountain Laurel (patented)	240	WF-10810	W1160036	N414638	grab	dov3	1.070	57.00	0.008	69.40	0.265	11.900	10.70	45.000	<0.5	218.00	<0.25	2.900	<0.5	5.03	<0.5	<0.005	2551	<4
Mountain Laurel (patented)	241	WF-10811	W1160051	N414631	grab	dov3	5.090	284.00	0.091	157.00	0.300	10.200	53.40	690.000	<0.5	138.00	<0.25	1.600	1.400	5.76	<0.5	<0.005	3171	<4
NE claims (Jerritt Cyn)	746	WF-11548	W1160140	N412733	grab	dov1	0.027	148.00	0.002	9.39	<0.1	2.040	1.16	1.230	<0.5	12.40	<0.25	0.140	<0.5	<1	<0.5	<0.005	2791	<4
NE claims (Jerritt Cyn)	747	WF-11549	W1160134	N412740	grab	dov1	0.030	574.00	0.003	36.00	22.200	12.900	0.98	19.900	<0.5	21.70	<0.25	0.408	<0.5	9.47	<0.5	<0.005	1520	<4
NE claims (Jerritt Cyn)	1395	WF-12259	W1160013	N412845	grab	dov1	0.120	223.00	0.006	48.30	0.403	15.900	7.85	6.260	<0.5	120.00	<0.25	0.728	0.689	<1	<0.5	<0.005	502	NA
NE claims (Jerritt Cyn)	1396	WF-12260	W1160014	N412826	grab	dov1	0.052	36.90	<0.001	7.29	<0.1	10.900	2.60	3.000	<0.5	2.83	<0.25	<0.1	<0.5	<1	<0.5	<0.005	66	NA
NE claims (Jerritt Cyn)	1509	WF-12356	W1160102	N412858	grab	dov1	0.063	14.60	0.005	3.27	0.150	5.920	4.27	0.521	<0.5	2.53	<0.25	<0.1	<0.5	<1	<0.5	<0.005	44	NA
NE claims (Jerritt Cyn)	1671	WF-12501	W1160200	N412654	grab	dov1	0.669	72.90	0.016	205.00	0.597	16.500	5.29	7.320	<0.5	1994.00	<0.25	1.360	0.795	1.60	<0.5	<0.005	550	NA
NE claims (Jerritt Cyn)	1672	WF-12502	W1160200	N412654	grab	dov1	2.140	19.40	0.013	87.70	0.411	24.500	2.83	5.360	0.572	11.90	<0.25	0.184	<0.5	8.08	<0.5	<0.005	1885	NA
NE claims (Jerritt Cyn)	1673	WF-12534	W1160127	N412815	grab	dov1	0.990	1253.00	0.004	26.30	0.689	21.500	1.34	33.100	1.440	26.60	<0.25	0.654	0.548	<1	<0.5	<0.005	373	NA
NE claims (Jerritt Cyn)	1674	WF-12535	W1160129	N412811	grab	dov1	0.465	12.90	0.013	41.50	0.333	4.990	10.70	1.250	<0.5	36.80	<0.25	0.179	1.090	2.70	<0.5	<0.005	1596	NA
NE claims (Jerritt Cyn)	1675	WF-12536	W1160237	N412805	grab	dov1	0.029	296.00	0.003	37.80	0.432	22.000	1.50	24.700	<0.5	9.58	<0.25	0.152	<0.5	<1	<0.5	<0.005	182	NA
NE claims (Jerritt Cyn)	1676	WF-12537	W1160253	N412758	grab	dov1	0.039	790.00	0.010	52.50	0.124	12.000	1.16	33.500	<0.5	23.60	<0.25	0.495	<0.5	<1	<0.5	<0.005	80	NA
NE claims (Jerritt Cyn)	1677	WF-12538	W1160336	N412750	grab	dov1	0.080	257.00	0.002	10.60	5.790	14.300	3.03	55.700	<0.5	47.70	<0.25	0.313	0.580	<1	<0.5	<0.005	3083	NA
NE claims (Jerritt Cyn)	1680	WF-12541	W1160225	N412623	grab	dov1	0.204	46.90	0.002	32.70	0.167	13.600	11.90	3.360	1.260	62.40	<0.25	0.270	<0.5	<1	<0.5	<0.005	464	NA
NE claims (Jerritt Cyn)	1681	WF-12542	W1160221	N412611	grab	dov1	0.023	2.16	0.001	3.53	<0.1	14.700	0.95	0.358	<0.5	2.46	<0.25	<0.1	<0.5	<1	<0.5	<0.005	33	NA
NE claims (Jerritt Cyn)	1682	WF-12543	W1160254	N412556	grab	dov1	0.017	2.82	0.001	2.13	<0.1	6.700	0.46	0.339	<0.5	2.26	<0.25	<0.1	<0.5	<1	<0.5	<0.005	55	NA
NE claims (Jerritt Cyn)	1683	WF-12544	W1160254	N412518	grab	dov1	1.510	11.10	0.011	25.80	0.119	28.400	2.76	2.680	<0.5	6.67	<0.25	0.151	0.616	11.30	<0.5	<0.005	878	NA
NE claims (Jerritt Cyn)	1684	WF-12545	W1160243	N412513	grab	dov1	0.867	3.91	0.005	38.40	0.169	13.600	1.93	1.990	<0.5	53.00	<0.25	1.090	<0.5	2.59	<0.5	<0.005	37024	NA
NE claims (Jerritt Cyn)	1685	WF-12546	W1160226	N412525	grab	dov1	0.616	3.54	0.005	32.60	<0.1	22.900	1.58	2.080	<0.5	73.40	<0.25	0.874	<0.5	2.35	<0.5	<0.005	549	NA
NE claims (Jerritt Cyn)	1686	WF-12547	W1160201	N412533	grab	dov1	0.048	0.98	0.001	4.37	<0.1	4.950	4.22	<0.25	<0.5	8.47	<0.25	0.133	<0.5	<1	<0.5	<0.005	1090	NA
NE claims (Jerritt Cyn)	1687	WF-12548	W1160201	N412533	grab	dov1	0.269	4.15	0.014	60.90	0.112	16.200	4.53	0.598	<0.5	51.40	<0.25	<0.1	0.592	<1	<0.5	<0.005	601	NA
NE claims (Jerritt Cyn)	1688	WF-12549	W1160135	N412534	grab	dov1	0.217	3.29	0.007	23.50	<0.1	10.000	2.19	0.775	<0.5	41.50	<0.25	0.352	<0.5	<1	<0.5	<0.005	531	NA
NE claims (Jerritt Cyn)	1714	WF-12575	W1160036	N412911	grab	dov1	0.106	117.00	0.003	65.50	0.333	20.300	5.95	9.860	<0.5	234.00	0.258	5.710	0.557	12.00	<0.5	<0.005	1298	NA
NF claims (Big Springs)	851	WF-11611	W1155414	N413501	grab	pmi2	0.309	15.30	0.001	13.00	<0.1	1.120	6.42	2.040	<0.5	47.70	0.242	0.236	<0.5	<1	<0.5	<0.005	525	<4
NF claims (Big Springs)	852	WF-11612	W1155426	N413514	grab	pmi2	0.134	8.33	0.001	2.81	<0.1	0.569	2.45	1.120	<0.5	80.40	<0.25	0.625	<0.5	<1	<0.5	<0.005	76	<4
NF claims (Big Springs)	853	WF-11613	W1155458	N413459	grab	pmi2	0.136	26.90	0.001	7.16	<0.1	1.100	2.95	2.450	0.837	133.00	<0.25	2.220	<0.5	<1	<0.5	<0.005	193	<4
NF claims (Big Springs)	854	WF-11614	W1155532	N413455	grab	ccm2	0.057	2.06	0.001	2.55	<0.1	0.315	3.47	0.431	<0.5	7.58	<0.25	<0.1	<0.5	<1	<0.5	<0.005	212	<4
NF claims (Big Springs)	855	WF-11623	W1155520	N413514	grab	pmi2	0.246	2.60	0.001	5.59	<0.1	2.680	1.93	0.609	<0.5	27.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1865	<4
NF claims (Big Springs)	856	WF-11624	W1155520	N413516	grab	pms2	0.040	1.18	0.002	11.00	<0.1	0.396	2.05	0.537	<0.5	59.10	<0.25	<0.1	11.200	<1	<0.5	<0.005	3902	<4
NF claims (Big Springs)	857	WF-11625	W1155517	N413527	grab	pms2	0.072	<1	0.002	8.73	<0.1	0.747	1.14	0.473	<0.5	27.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	769	<4
NF claims (Big Springs)	1320	WF-12195	W1155605	N413518	grab	pmi2	0.051	3.24	0.001	3.01	<0.1	10.300	1.80	2.070	<0.5	13.30	<0.25	0.329	<0.5	<1	<0.5	<0.005	40	NA
NF claims (Big Springs)	1321	WF-12196	W1155612	N413529	grab	pms2	0.258	2.95	0.002	31.40	<0.1	6.030	7.44	0.503	<0.5	74.50	<0.25	<0.1	2.060	<1	<0.5	<0.005	11748	NA
NF claims (Big Springs)	1322	WF-12197	W1155619	N413532	grab	pms2	0.288	2.91	0.004	31.90	<0.1	9.960	3.91	0.821	<0.5	42.10	<0.25	<0.1	1.160	<1	<0.5	<0.005	9048	NA
NF claims (Big Springs)	1323	WF-12198	W1155618	N413540	grab	pms2	0.121	8.44	0.006	27.60	<0.1	11.500	3.45	0.796	<0.5	31.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	674	NA
NF claims (Big Springs)	1335	WF-12210	W1155635	N413517	grab	pms2	0.127	2.14	0.003	29.30	<0.1	13.200	3.01	0.703	<0.5	35.80	<0.25	<0.1	0.953	<1	<0.5	<0.005	562	NA
NF claims (Big Springs)	1336	WF-12211	W1155635	N413509	grab	pms2	0.109	1.97	0.005	62.60	<0.1	4.040	6.94	0.612	<0.5	82.70	<0.25	<0.1	2.860	<1	<0.5	<0.005	8077	NA
NF claims (Big Springs)	1337	WF-12212	W1155628	N413503	grab	pms2	0.428	12.40	0.007	8.90	<0.1	11.900	1.91	0.824	<0.5	48.40	<0.25	0.210	<0.5	1.48	<0.5	<0.005	304	NA
NF claims (Big Springs)	1338	WF-12213	W1155727	N413515	grab	pms2	0.109	1.21	0.006	49.30	<0.1	12.200	5.50	0.410	<0.5	29.90	<0.25	<0.1	1.420	<1	<0.5	<0.005	618	NA
NF claims (Big Springs)	1339	WF-12214	W1155720	N413508	grab	pms2	0.110	2.04	0.006	19.20	<0.1	13.300	3.44	0.572	<0.5	23.70	<0.25	<0.1	0.742	<1	<0.5	<0.005	690	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
NF claims (Big Springs)	1340	WF-12215	W1155711	N413459	grab	pms2	0.222	15.00	0.006	7.08	<0.1	15.500	3.98	1.170	<0.5	15.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	335	NA
NF claims (Big Springs)	1341	WF-12216	W1155705	N413452	grab	pms2	0.133	2.11	0.006	21.10	<0.1	11.800	3.22	0.604	<0.5	32.10	<0.25	<0.1	1.310	<1	<0.5	<0.005	1210	NA
NF claims (Big Springs)	1342	WF-12217	W1155654	N413452	grab	pms2	0.526	2.41	0.007	20.20	<0.1	12.700	2.10	0.636	<0.5	20.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	9971	NA
NF claims (Big Springs)	1343	WF-12218	W1155651	N413456	grab	pms2	0.587	3.20	0.007	29.40	<0.1	13.100	3.71	1.240	<0.5	31.60	<0.25	<0.1	0.947	<1	<0.5	<0.005	5203	NA
NF claims (Big Springs)	1344	WF-12219	W1155821	N413457	grab	pms2	0.031	1.72	0.009	11.20	<0.1	12.300	1.07	0.532	<0.5	8.55	<0.25	<0.1	<0.5	<1	<0.5	<0.005	16357	NA
NF claims (Big Springs)	1345	WF-12220	W1155815	N413454	grab	pms2	0.053	2.84	0.005	20.30	<0.1	14.400	1.81	0.498	<0.5	16.60	<0.25	<0.1	0.832	<1	<0.5	<0.005	3516	NA
NF claims (Big Springs)	1346	WF-12221	W1155800	N413449	grab	pms2	0.199	7.33	0.006	38.40	<0.1	7.880	8.92	1.960	<0.5	117.00	<0.25	0.400	2.390	<1	<0.5	<0.005	1786	NA
NF claims (Big Springs)	1347	WF-12222	W1155752	N413448	grab	pms2	0.042	24.00	0.006	30.30	<0.1	11.600	9.44	1.450	<0.5	19.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1631	NA
Nevada Zinc mine (surveyed)	1	WF-9499	W1160953	N414202	select	oaf3	16.800	<1	0.002	436.00	0.534	<0.1	354.00	<0.25	<0.5	8249.00	<0.25	18.700	<0.5	<1	<0.5	<0.005	55	<4
Nevada Zinc mine (surveyed)	12	WF-9510	W1160943	N414137	grab	ccm3	0.089	19.10	<0.001	0.88	0.123	0.558	4.21	2.400	<0.5	11.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	76	<4
Nevada Zinc mine (surveyed)	13	WF-9511	W1160945	N414144	grab	ccm3	0.619	45.00	0.012	37.00	<0.1	525.000	32.00	<0.25	34.400	76.20	6.230	<0.1	<0.5	<1	5.850	<0.005	21	4
Nevada Zinc mine (surveyed)	14	WF-9512	W1160942	N414151	grab	oaf3	0.226	14.90	0.027	11.50	0.427	0.097	8.30	6.920	<0.5	19.50	<0.25	0.202	<0.5	<1	<0.5	<0.005	64	24
Nevada Zinc mine (surveyed)	15	WF-9513	W1160959	N414211	grab	oaf3	22.000	332.00	0.078	36.50	0.487	3.320	2277.00	252.000	<0.5	1201.00	0.695	12.100	0.635	<1	3.120	<0.005	200	4
Nevada Zinc mine (surveyed)	16	WF-9514	W1160950	N414203	grab	kjd3	0.336	3.53	0.001	52.50	0.131	0.124	11.60	1.710	<0.5	26.60	<0.25	0.219	1.840	<1	<0.5	<0.005	423	100
Nevada Zinc mine (surveyed)	17	WF-9515	W1160950	N414203	chip	kjd3	0.147	32.20	0.001	11.20	0.305	0.239	6.87	4.870	<0.5	202.00	<0.25	0.710	0.898	<1	<0.5	<0.005	378	<4
Nevada Zinc mine (surveyed)	18	WF-9516	W1160950	N414203	chip	oaf3	0.134	20.50	0.001	10.30	0.632	0.852	13.20	48.100	<0.5	993.00	<0.25	8.380	3.980	<1	0.607	<0.005	5489	<4
Nevada Zinc mine (surveyed)	19	WF-9517	W1160950	N414203	grab	oaf3	0.078	2.06	0.001	32.40	0.475	0.227	6.53	1.670	<0.5	36.80	<0.25	0.500	<0.5	<1	<0.5	<0.005	127	8
Nevada Zinc mine (surveyed)	20	WF-9518	W1160951	N414203	grab	oaf3	0.177	3.68	0.002	50.60	0.115	0.589	13.80	2.030	<0.5	15.60	<0.25	0.204	0.666	<1	<0.5	<0.005	304	<4
Nevada Zinc mine (surveyed)	21	WF-9519	W1160950	N414203	select	oaf3	29.900	<1	0.028	614.00	1.410	<0.1	1179.00	<0.25	4.610	37800.00	<0.25	111.000	<0.5	<1	<0.5	<0.005	127	<4
Nevada Zinc mine (surveyed)	22	WF-9520	W1160950	N414203	grab	oaf3	0.159	2.71	<0.001	60.70	0.107	0.370	6.43	<0.25	<0.5	1235.00	<0.25	2.670	0.950	<1	0.621	<0.005	469	<4
Nevada Zinc mine (surveyed)	23	WF-9521	W1160950	N414203	grab	oaf3	0.198	2.05	0.001	8.99	0.103	0.132	5.57	0.537	<0.5	109.00	<0.25	0.480	0.982	<1	<0.5	<0.005	1953	<4
Nevada Zinc mine (surveyed)	24	WF-9522	W1160950	N414203	grab	oaf3	0.150	1.29	0.001	34.80	<0.1	<0.1	1.80	<0.25	<0.5	26.20	<0.25	0.146	<0.5	<1	<0.5	<0.005	93	<4
Nevada Zinc mine (surveyed)	63	WF-9561	W1160951	N414204	grab	kjd3	0.452	8.05	0.002	37.10	<0.1	0.458	17.20	1.200	<0.5	1251.00	<0.25	2.800	1.900	<1	<0.5	<0.005	332	4
Nevada Zinc mine (surveyed)	64	WF-9562	W1160951	N414204	select	oaf3	7.840	<1	<0.001	206.00	1.120	<0.1	253.00	<0.25	<0.5	37300.00	<0.25	114.000	<0.5	11.00	<0.5	<0.005	18	<4
Nevada Zinc mine (surveyed)	65	WF-9563	W1160951	N414204	select	oaf3	8.090	12.10	<0.001	148.00	2.210	<0.1	140.00	3.340	7.210	19200.00	<0.25	59.000	<0.5	<1	<0.5	<0.005	118	<4
Nevada Zinc mine (surveyed)	66	WF-9564	W1160951	N414204	select	oaf3	19.700	<1	0.018	344.00	1.730	<0.1	320.00	17.700	7.450	30300.00	<0.25	84.100	<0.5	<1	<0.5	<0.005	<25	<4
Nevada Zinc mine (surveyed)	1531	WF-12420	W1161002	N414206	select	kjd3	39.800	<1	0.033	<0.05	<0.1	10.500	11600.00	22.500	<0.5	546.00	<0.25	35.800	<0.5	<1	15.900	<0.005	<25	NA
Norma Jeane nos. 1-34	148	WF-9645	W1160317	N414143	grab	oaf3	0.144	2.79	<0.001	1.45	<0.1	0.441	7.05	1.420	<0.5	4.81	<0.25	0.253	<0.5	<1	<0.5	<0.005	59	<4
Norma Jeane nos. 1-34	149	WF-9646	W1160318	N414143	select	oaf3	1.690	429.00	0.026	59.30	<0.1	0.320	34.70	3.450	<0.5	52.50	<0.25	0.181	1.680	<1	<0.5	<0.005	364	4
Norma Jeane nos. 1-34	150	WF-9647	W1160316	N414141	grab	oaf3	16.500	13.10	46.600	10.20	0.170	0.633	66.10	10.400	<0.5	8.34	194.000	0.107	<0.5	<1	39.600	<0.005	114	<4
Norma Jeane nos. 1-34	260	WF-9725	W1160338	N414144	grab	oaf3	0.411	4.27	0.004	3.62	<0.1	0.306	7.64	0.466	<0.5	17.10	<0.25	0.196	<0.5	<1	<0.5	<0.005	54	<4
Norma Jeane nos. 1-34	261	WF-9726	W1160340	N414141	grab	kjd3	0.221	17.90	0.003	14.90	<0.1	1.710	10.20	<0.25	<0.5	17.00	0.463	<0.1	2.780	<1	<0.5	<0.005	1365	<4
Norma Jeane nos. 1-34	262	WF-9727	W1160336	N414123	grab	kjd3	1.730	59.00	0.007	6.85	<0.1	2.350	<0.25	5.750	<0.5	72.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	133	<4
Norma Jeane nos. 1-34	263	WF-9728	W1160336	N414123	select	kjd3	7.700	70.80	0.133	13.90	<0.1	1.180	527.00	10.700	<0.5	59.30	<0.25	1.340	<0.5	<1	<0.5	<0.005	29	<4
Norma Jeane nos. 1-34	264	WF-9729	W1160333	N414121	grab	oaf3	0.071	4.72	0.002	4.75	<0.1	0.268	4.60	0.628	<0.5	9.05	<0.25	0.279	<0.5	<1	<0.5	<0.005	81	<4
Norma Jeane nos. 1-34	265	WF-9730	W1160319	N414112	grab	pms2	1.170	89.70	0.013	37.80	<0.1	1.150	25.20	12.000	<0.5	371.00	<0.25	0.202	1.810	2.87	<0.5	<0.005	617	<4
Norma Jeane nos. 1-34	266	WF-9731	W1160318	N414106	chip	pms2	14.400	139.00	0.083	132.00	0.856	1.070	405.00	49.300	<0.5	310.00	0.997	7.140	<0.5	<1	<0.5	<0.005	69	4
Norma Jeane nos. 1-34	267	WF-9732	W1160318	N414106	select	pms2	179.000	43.60	0.019	227.00	3.620	0.963	848.00	120.000	<0.5	162.00	<0.25	11.800	<0.5	<1	<0.5	<0.005	44	4
Norma Jeane nos. 1-34	268	WF-9733	W1160322	N414112	grab	pms2	1.300	179.00	0.086	9.38	0.115	0.592	27.00	6.870	<0.5	75.40	<0.25	0.425	<0.5	<1	<0.5	<0.005	119	4
Norma Jeane nos. 1-34	605	WF-11100	W1160257	N414034	grab	pms2	0.129	5.70	0.001	3.98	<0.1	2.400	9.41	3.280	<0.5	27.70	<0.25	<0.1	2.350	<1	<0.5	<0.005	1534	<4
Norma Jeane nos. 1-34	606	WF-11101	W1160257	N414034	grab	pms2	0.359	55.20	0.003	21.00	<0.1	1.430	8.77	13.500	<0.5	61.00	<0.25	0.096	0.689	<1	<0.5	<0.005	677	<4
Norma Jeane nos. 1-34	607	WF-11102	W1160258	N414043	grab	tvol	0.102	57.70	0.014	25.80	<0.1	5.640	20.90	38.300	<0.5	96.10	<0.25	<0.1	0.916	<1	<0.5	<0.005	878	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Norma Jeane nos. 1-34	608	WF-11103	W1160259	N414046	grab	pms2	0.570	421.00	0.052	21.70	1.060	5.460	5.36	41.700	<0.5	29.70	<0.25	<0.1	<0.5	1.13	<0.5	<0.005	1024	<4
Norma Jeane nos. 1-34	609	WF-11104	W1160303	N414049	grab	pms2	0.382	71.50	0.004	31.70	0.531	7.890	4.36	17.900	<0.5	30.10	<0.25	<0.1	0.575	<1	<0.5	<0.005	1243	<4
Norma Jeane nos. 1-34	610	WF-11105	W1160303	N414049	grab	pms2	0.911	31.00	0.007	47.20	0.749	12.000	8.76	9.420	0.653	168.00	<0.25	0.163	2.010	2.61	<0.5	<0.005	1076	<4
Norma Jeane nos. 1-34	1590	WF-12451	W1160220	N414129	grab	oaf3	0.067	360.00	0.014	5.95	0.165	0.909	6.78	8.420	<0.5	9.15	<0.25	<0.1	<0.5	<1	<0.5	<0.005	90	NA
Orvana project	225	WF-10795	W1160245	N414728	grab	tvol	0.036	2.28	0.001	7.11	1.290	3.030	2.11	<0.25	<0.5	29.60	<0.25	0.097	2.200	<1	<0.5	<0.005	1474	<4
Orvana project	226	WF-10796	W1160228	N414733	grab	tvol	0.031	<1	0.001	3.08	<0.1	2.410	4.67	<0.25	<0.5	66.60	<0.25	0.126	3.720	<1	<0.5	<0.005	1629	<4
Orvana project	233	WF-10803	W1160146	N414711	grab	tvol	0.315	<1	0.001	5.94	<0.1	0.749	3.64	0.844	<0.5	47.50	<0.25	<0.1	3.310	<1	<0.5	<0.005	1448	<4
Orvana project	234	WF-10804	W1160109	N414711	grab	tvol	0.043	<1	0.001	3.72	<0.1	0.353	5.31	<0.25	<0.5	63.50	<0.25	0.137	4.290	<1	<0.5	<0.005	1746	<4
Orvana project	242	WF-10812	W1160105	N414630	grab	dov3	9.560	56.90	0.009	57.10	0.226	3.470	19.30	60.200	<0.5	217.00	<0.25	1.340	0.941	1.91	<0.5	<0.005	1714	<4
Orvana project	243	WF-10814	W1160058	N414634	select	dov3	145.000	4578.00	2.850	62.00	<0.1	15.400	697.00	1030.000	<0.5	79.40	<0.25	8.990	<0.5	<1	<0.5	<0.005	221	<4
Orvana project	244	WF-10815	W1160110	N414631	grab	dov3	1.210	149.00	0.035	76.40	0.139	5.480	11.00	271.000	<0.5	373.00	<0.25	2.200	1.890	<1	<0.5	<0.005	1797	<4
Orvana project	245	WF-10816	W1160111	N414633	grab	dov3	0.983	38.50	0.012	49.80	0.278	8.960	11.70	23.300	<0.5	387.00	<0.25	1.150	0.559	2.82	<0.5	<0.005	2245	<4
Orvana project	246	WF-10817	W1160114	N414630	grab	dov3	3.270	96.40	0.023	39.60	0.111	2.150	9.23	365.000	<0.5	137.00	<0.25	0.478	0.606	1.60	<0.5	<0.005	1693	<4
Orvana project	247	WF-10818	W1160117	N414628	grab	dov3	45.300	96.70	0.520	73.10	0.428	13.600	133.00	1150.000	<0.5	104.00	<0.25	6.210	<0.5	2.65	<0.5	<0.005	1338	4
Orvana project	401	WF-10938	W1160259	N414626	grab	dov3	0.683	61.90	0.014	54.30	0.139	4.320	6.78	9.830	<0.5	103.00	<0.25	0.958	<0.5	2.15	<0.5	<0.005	3459	<4
Orvana project	402	WF-10939	W1160259	N414626	grab	dov3	0.417	325.00	0.062	77.40	0.140	2.560	8.16	14.000	<0.5	145.00	<0.25	0.732	2.480	2.19	<0.5	<0.005	4653	<4
Orvana project	403	WF-10940	W1160259	N414626	grab	dov3	0.313	179.00	0.067	69.70	0.114	1.840	5.93	12.600	<0.5	136.00	<0.25	0.627	3.990	1.13	<0.5	<0.005	3473	<4
Orvana project	404	WF-10941	W1160259	N414626	grab	dov3	0.375	87.20	0.020	132.00	0.321	2.260	15.70	7.730	<0.5	174.00	<0.25	0.622	<0.5	1.47	<0.5	<0.005	2811	<4
Orvana project	405	WF-10942	W1160259	N414626	grab	dov3	0.260	135.00	0.040	78.10	<0.1	1.640	8.63	7.230	<0.5	116.00	<0.25	0.480	7.170	0.95	<0.5	<0.005	7074	<4
Orvana project	406	WF-10943	W1160259	N414626	grab	dov3	0.532	319.00	0.035	69.80	<0.1	3.290	6.21	22.800	<0.5	181.00	<0.25	0.802	1.420	1.67	<0.5	<0.005	2759	<4
Orvana project	407	WF-10944	W1160259	N414626	grab	dov3	0.270	298.00	0.131	59.20	<0.1	1.860	6.36	9.090	<0.5	131.00	<0.25	0.534	7.180	1.15	<0.5	<0.005	4931	<4
Orvana project	408	WF-10945	W1160259	N414626	grab	dov3	1.620	43.00	0.006	66.80	<0.1	2.580	8.20	3.540	<0.5	36.40	<0.25	<0.1	0.757	<1	<0.5	<0.005	573	<4
Orvana project	409	WF-10946	W1160259	N414626	grab	dov3	0.344	7.19	0.003	12.80	<0.1	13.200	1.45	3.870	<0.5	10.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	75	<4
Orvana project	410	WF-10947	W1160259	N414626	grab	dov3	0.214	18.50	0.001	10.10	<0.1	0.576	2.63	2.190	<0.5	38.20	<0.25	0.108	<0.5	<1	<0.5	<0.005	158	<4
Orvana project	411	WF-10948	W1160259	N414626	grab	dov3	0.200	44.00	<0.001	9.16	<0.1	0.867	1.90	2.870	<0.5	21.80	<0.25	0.107	<0.5	<1	<0.5	<0.005	143	<4
Orvana project	412	WF-10949	W1160259	N414626	grab	dov3	0.324	23.00	0.001	9.63	0.167	4.800	3.99	3.550	<0.5	46.10	<0.25	0.684	<0.5	<1	<0.5	<0.005	390	<4
Orvana project	413	WF-10950	W1160227	N414559	grab	dov3	0.340	368.00	<0.001	43.10	<0.1	1.440	3.53	8.230	<0.5	73.40	<0.25	0.232	<0.5	<1	<0.5	<0.005	328	<4
Orvana project	414	WF-10951	W1160227	N414600	select	pvd3	330.000	1888.00	0.239	1610.00	35.500	5.990	59600.00	3509.000	<0.5	19000.00	<0.25	122.000	<0.5	32.50	8.210	<0.005	497	<4
Orvana project	415	WF-10952	W1160234	N414555	grab	pvd3	1.840	57.30	0.001	13.00	0.186	0.510	276.00	32.900	<0.5	80.90	<0.25	0.513	<0.5	<1	<0.5	<0.005	97	<4
Orvana project	416	WF-10953	W1160234	N414555	select	pvd3	0.310	47.50	0.005	188.00	<0.1	9.160	54.80	10.500	<0.5	130.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	119	<4
Orvana project	417	WF-10954	W1160234	N414555	select	dov3	0.697	33.30	0.013	983.00	<0.1	2.150	38.30	12.900	<0.5	26.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	552	<4
Orvana project	418	WF-10955	W1160234	N414555	select	dov3	4.390	74.50	0.009	30600.00	3.520	44.800	631.00	76.700	<0.5	794.00	<0.25	5.330	<0.5	44.20	<0.5	<0.005	1235	<4
Orvana project	419	WF-10956	W1160234	N414555	grab	pvd3	1.150	105.00	<0.001	1322.00	1.930	13.100	12.90	33.600	<0.5	192.00	<0.25	0.841	<0.5	1.85	<0.5	<0.005	1014	<4
Orvana project	420	WF-10957	W1160234	N414555	chip	dov3	13.600	507.00	0.002	128.00	1.410	1.560	313.00	111.000	<0.5	975.00	<0.25	3.060	3.600	0.99	0.512	<0.005	11515	<4
Orvana project	421	WF-10958	W1160234	N414555	chip	dov3	0.471	50.40	0.007	71.60	0.889	1.490	12.40	12.600	<0.5	62.10	<0.25	0.519	<0.5	1.44	<0.5	<0.005	1294	<4
Orvana project	422	WF-10959	W1160234	N414555	chip	dov3	0.909	48.20	0.006	59.40	0.197	1.140	41.00	28.000	<0.5	102.00	<0.25	0.642	<0.5	<1	<0.5	<0.005	1036	<4
Orvana project	423	WF-10960	W1160234	N414555	grab	dov3	0.113	63.30	0.001	79.10	<0.1	0.444	13.80	4.330	<0.5	62.70	<0.25	0.123	8.290	<1	<0.5	<0.005	924	<4
Orvana project	424	WF-10961	W1160243	N414546	chip	pvd3	0.167	11.10	0.002	16.40	0.180	0.855	5.47	1.950	<0.5	19.90	<0.25	0.180	<0.5	<1	<0.5	<0.005	436	<4
Orvana project	425	WF-10962	W1160243	N414546	chip	pvd3	2.170	46.70	0.041	142.00	1.010	10.500	80.90	16.900	<0.5	139.00	<0.25	1.430	<0.5	4.28	<0.5	<0.005	1337	<4
Orvana project	426	WF-10963	W1160243	N414546	chip	pvd3	0.237	118.00	0.010	77.90	0.659	1.680	6.88	11.100	0.543	77.60	<0.25	0.323	<0.5	1.07	<0.5	<0.005	1302	<4
Orvana project	427	WF-10964	W1160243	N414546	grab	pvd3	0.185	11.70	0.002	16.40	0.130	1.480	5.30	3.140	<0.5	24.90	<0.25	0.298	<0.5	<1	<0.5	<0.005	476	<4
Orvana project	428	WF-10965	W1160132	N414613	grab	dov3	0.248	43.20	0.020	112.00	0.241	8.530	10.80	5.530	<0.5	125.00	<0.25	0.413	0.636	8.38	<0.5	<0.005	2375	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Orvana project	429	WF-10966	W1160151	N414601	grab	dov3	0.082	59.30	0.002	71.60	<0.1	1.860	4.44	6.820	<0.5	67.90	<0.25	0.225	<0.5	<1	<0.5	<0.005	2083	<4
Orvana project	430	WF-10967	W1160149	N414606	grab	dov3	0.205	4.55	0.003	57.60	<0.1	0.470	19.20	3.480	<0.5	28.30	<0.25	0.231	<0.5	<1	<0.5	<0.005	2454	<4
Orvana project	431	WF-10968	W1160112	N414528	grab	dov3	0.077	41.20	0.008	46.20	<0.1	3.110	4.38	14.400	<0.5	44.20	<0.25	0.093	<0.5	<1	<0.5	<0.005	554	<4
Orvana project	432	WF-10969	W1160055	N414528	grab	pvd3	0.067	31.30	<0.001	18.30	0.138	4.440	4.32	10.300	<0.5	32.70	<0.25	0.180	<0.5	<1	<0.5	<0.005	450	<4
Orvana project	433	WF-10970	W1160113	N414524	grab	dov3	0.045	43.20	0.003	26.80	<0.1	2.480	4.10	14.900	<0.5	36.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	565	<4
Orvana project	434	WF-10971	W1160127	N414523	grab	dov3	0.125	172.00	0.050	37.10	0.193	2.160	4.21	13.700	<0.5	250.00	<0.25	1.220	<0.5	<1	<0.5	<0.005	811	<4
Orvana project	435	WF-10972	W1160145	N414527	grab	pvd3	0.216	22.80	0.003	8.38	0.202	4.820	4.98	8.420	<0.5	38.90	<0.25	0.155	<0.5	<1	<0.5	<0.005	97	<4
Orvana project	436	WF-10973	W1160136	N414525	grab	pvd3	0.368	243.00	0.006	29.40	<0.1	3.840	9.35	29.000	<0.5	64.30	<0.25	0.320	<0.5	<1	<0.5	<0.005	767	<4
Orvana project	437	WF-10974	W1160121	N414526	grab	dov3	0.445	92.60	0.012	16.40	1.750	2.170	42.40	28.500	<0.5	164.00	<0.25	0.604	<0.5	<1	<0.5	<0.005	551	<4
Orvana project	438	WF-10975	W1160139	N414524	grab	pvd3	0.561	33.00	0.011	12.00	0.117	0.711	10.70	12.600	<0.5	352.00	<0.25	2.730	<0.5	<1	<0.5	<0.005	74	<4
Orvana project	439	WF-10976	W1160146	N414524	grab	dov3	0.052	36.80	0.003	34.00	<0.1	2.680	4.15	6.650	<0.5	48.00	<0.25	0.144	<0.5	<1	<0.5	<0.005	820	<4
Orvana project	440	WF-10977	W1160152	N414526	grab	dov3	0.039	83.00	0.021	21.90	<0.1	1.740	4.95	4.420	<0.5	141.00	<0.25	0.155	<0.5	<1	<0.5	<0.005	750	4
Orvana project	441	WF-10978	W1160200	N414529	grab	dov3	0.019	21.40	0.002	28.70	<0.1	4.100	2.82	3.550	<0.5	44.80	<0.25	0.114	0.642	<1	<0.5	<0.005	1229	<4
Orvana project	442	WF-10979	W1160141	N414546	grab	dov3	0.219	113.00	<0.001	39.70	0.224	1.210	8.39	17.700	<0.5	29.50	<0.25	0.115	<0.5	<1	<0.5	<0.005	114	<4
Orvana project	443	WF-10980	W1160134	N414546	grab	dov3	0.151	63.00	0.016	21.90	1.630	3.440	15.30	12.600	<0.5	200.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	663	<4
Orvana project	444	WF-10982	W1160138	N414549	grab	dov3	0.320	37.30	0.021	9.04	0.964	1.780	7.25	13.400	0.482	64.00	<0.25	1.100	<0.5	<1	<0.5	<0.005	513	<4
Orvana project	445	WF-10983	W1160058	N414539	grab	dov3	0.102	911.00	0.241	36.00	0.899	4.770	8.34	20.300	2.310	466.00	<0.25	2.760	<0.5	<1	<0.5	<0.005	816	<4
Orvana project	446	WF-10984	W1160058	N414539	grab	pvd3	0.097	43.10	0.008	4.94	0.119	0.514	5.41	2.090	<0.5	31.00	<0.25	0.306	<0.5	<1	<0.5	<0.005	81	<4
Orvana project	447	WF-10985	W1160053	N414536	grab	dov3	0.186	171.00	0.017	17.60	0.106	3.080	13.40	12.200	<0.5	26.30	<0.25	0.163	<0.5	<1	<0.5	<0.005	373	<4
Orvana project	448	WF-10986	W1160052	N414541	grab	dov3	0.127	14.20	0.010	7.17	<0.1	0.871	5.03	6.670	<0.5	7.19	<0.25	<0.1	<0.5	<1	<0.5	<0.005	72	<4
Orvana project	449	WF-10987	W1160111	N414536	grab	dov3	0.084	974.00	0.119	31.60	<0.1	1.070	5.78	9.630	<0.5	75.70	<0.25	0.172	<0.5	<1	<0.5	<0.005	418	<4
Orvana project	460	WF-11005	W1160051	N414651	grab	dov3	0.134	1.28	0.002	11.30	<0.1	0.976	3.64	1.100	<0.5	15.60	<0.25	0.108	<0.5	<1	<0.5	<0.005	732	<4
Orvana project	461	WF-11006	W1160359	N414703	grab	dov3	0.489	8.91	0.005	202.00	0.131	8.000	7.43	3.380	<0.5	70.80	<0.25	0.260	<0.5	5.07	<0.5	<0.005	2544	<4
Orvana project	532	WF-11386	W1155850	N414659	grab	dov3	5.180	10.80	0.002	407.00	<0.1	6.140	232.00	108.000	<0.5	73.30	<0.25	3.290	<0.5	<1	<0.5	<0.005	230	<4
Orvana project	533	WF-11387	W1155851	N414657	grab	dov3	0.631	27.00	0.009	27.90	0.307	9.010	9.20	8.180	<0.5	116.00	<0.25	3.330	<0.5	4.88	<0.5	<0.005	317	<4
Orvana project	534	WF-11388	W1155930	N414711	grab	dov3	0.074	31.60	0.001	28.10	<0.1	1.380	1.55	9.080	<0.5	91.20	<0.25	0.540	2.630	<1	<0.5	<0.005	569	<4
Orvana project	535	WF-11389	W1155934	N414718	grab	dov3	0.565	8.70	0.005	57.20	0.810	12.400	7.28	4.200	<0.5	166.00	<0.25	2.770	<0.5	2.69	<0.5	<0.005	526	<4
Orvana project	542	WF-11396	W1155946	N414556	grab	pvd3	0.128	27.00	0.005	15.20	1.100	0.667	3.16	10.100	<0.5	18.40	<0.25	0.376	<0.5	<1	<0.5	<0.005	205	<4
Orvana project	564	WF-11408	W1160439	N414737	grab	dov3	0.078	4.01	0.029	17.70	0.855	1.070	3.97	6.030	<0.5	8.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	142	<4
Orvana project	565	WF-11409	W1160413	N414729	grab	dov3	0.669	14.60	<0.001	173.00	0.245	4.150	2.02	2.180	<0.5	206.00	<0.25	1.980	<0.5	<1	<0.5	<0.005	2908	<4
Orvana project	566	WF-11410	W1160413	N414729	grab	dov3	0.147	9.82	0.001	47.80	<0.1	1.750	2.30	1.870	<0.5	317.00	<0.25	0.200	<0.5	<1	<0.5	<0.005	1715	<4
Orvana project	567	WF-11411	W1160412	N414723	grab	dov3	0.268	2.00	0.003	16.60	<0.1	0.693	0.92	0.359	<0.5	11.10	<0.25	0.229	<0.5	<1	<0.5	<0.005	83	<4
Orvana project	568	WF-11412	W1160359	N414717	grab	dov3	0.189	81.70	0.027	169.00	<0.1	4.540	4.54	20.800	<0.5	65.60	<0.25	1.440	<0.5	0.97	<0.5	<0.005	1202	<4
Orvana project	569	WF-12403	W1160356	N414714	grab	dov3	0.244	29.00	0.006	410.00	0.136	14.300	5.02	42.400	<0.5	616.00	<0.25	1.320	<0.5	<1	0.530	<0.005	563	NA
Orvana project	570	WF-11413	W1160359	N414714	grab	dov3	<0.015	8.89	0.001	52.10	<0.1	0.535	1.30	20.300	<0.5	47.40	<0.25	0.141	10.000	<1	<0.5	<0.005	240	<4
Orvana project	582	WF-11083	W1160542	N414441	select	pvd3	68.900	427.00	0.085	167.00	<0.1	12.800	88.60	99010.000	<0.5	75.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	44481	<4
Orvana project	583	WF-11084	W1160549	N414438	grab	pvd3	728.000	48.60	0.026	353.00	1.100	1.870	472.00	339.000	<0.5	45.70	13.200	12.500	<0.5	<1	<0.5	<0.005	165	<4
Orvana project	751	WF-11506	W1160615	N414452	chip	pvd3	180.000	23.90	<0.001	188.00	<0.1	17.000	274.00	267.000	<0.5	30.20	17.300	4.530	<0.5	<1	<0.5	<0.005	29	<4
Orvana project	752	WF-11507	W1160615	N414452	select	pvd3	1712.000	114.00	0.055	2538.00	2.540	2.390	1104.00	1907.000	<0.5	123.00	60.900	15.900	<0.5	<1	<0.5	<0.005	287	<4
Orvana project	753	WF-11508	W1160615	N414452	grab	pvd3	14.600	224.00	0.010	93.90	<0.1	0.540	30.00	124.000	<0.5	376.00	0.752	4.100	1.490	<1	<0.5	<0.005	326	<4
Orvana project	754	WF-11509	W1160613	N414455	select	pvd3	2071.000	141.00	0.080	4166.00	5.390	15.600	2364.00	3835.000	<0.5	536.00	77.700	41.200	<0.5	<1	<0.5	<0.005	573	<4
Orvana project	755	WF-11510	W1160613	N414455	grab	pvd3	12.200	294.00	0.009	135.00	<0.1	2.830	16.90	96.500	<0.5	391.00	0.502	7.370	<0.5	<1	<0.5	<0.005	61	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Orvana project	756	WF-11511	W1160612	N414456	grab	pvd3	11.500	255.00	0.008	89.00	0.532	1.130	33.10	103.000	<0.5	287.00	49.300	3.080	1.470	<1	1.190	<0.005	286	<4
Orvana project	761	WF-11516	W1160552	N414428	chip	pvd3	20.900	262.00	4.030	5339.00	3.210	10.500	37.10	21.100	<0.5	6826.00	2048.000	69.000	<0.5	<1	152.000	<0.005	<25	<4
Orvana project	762	WF-11517	W1160552	N414428	grab	pvd3	<0.015	10.70	<0.001	42.50	<0.1	1.210	3.05	<0.25	<0.5	79.10	4.430	1.030	<0.5	<1	<0.5	<0.005	128	<4
Orvana project	763	WF-11518	W1160551	N414425	grab	pvd3	1.200	3.82	0.012	1250.00	<0.1	1.400	4.48	1.100	<0.5	100.00	2.990	1.120	2.600	3.98	<0.5	<0.005	1255	<4
Orvana project	764	WF-11519	W1160547	N414424	grab	pvd3	1.240	542.00	0.019	154.00	<0.1	8.880	9.83	43.500	<0.5	120.00	2.100	0.800	2.250	1.25	<0.5	<0.005	2584	<4
Orvana project	767	WF-11522	W1160623	N414457	grab	dov3	1.430	3853.00	<0.001	401.00	3.920	27.500	118.00	486.000	<0.5	650.00	<0.25	5.600	<0.5	<1	<0.5	<0.005	72	<4
Orvana project	769	WF-11524	W1160732	N414446	chip	dov3	1.110	24.30	<0.001	43.00	<0.1	20.500	75.70	5.910	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	218	<4
Orvana project	770	WF-11525	W1160732	N414446	grab	dov3	1.480	29.10	<0.001	207.00	<0.1	10.200	10.30	8.570	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1737	<4
Orvana project	771	WF-11526	W1160719	N414451	grab	dov3	0.652	75.10	0.002	51.50	<0.1	6.230	30.60	9.200	<0.5	9.89	<0.25	0.115	<0.5	1.27	<0.5	<0.005	133	<4
Orvana project	772	WF-11527	W1160719	N414451	grab	dov3	1.290	37.10	0.012	107.00	1.110	4.100	5.55	9.090	<0.5	33.30	0.403	<0.1	<0.5	4.76	<0.5	<0.005	4390	<4
Orvana project	1447	WF-12311	W1160736	N414513	grab	dov3	0.494	28.90	0.010	147.00	0.627	9.230	14.90	7.890	<0.5	262.00	<0.25	2.760	2.360	2.07	<0.5	<0.005	938	NA
Orvana project	1448	WF-12312	W1160742	N414502	grab	dov3	0.187	14.80	0.004	175.00	<0.1	10.900	4.99	7.790	<0.5	318.00	<0.25	2.230	3.250	<1	<0.5	<0.005	2339	NA
Orvana project	1449	WF-12313	W1160758	N414444	grab	dov3	0.030	<1	0.004	5.40	<0.1	6.510	2.37	1.730	<0.5	3.22	<0.25	<0.1	<0.5	<1	<0.5	<0.005	42	NA
Orvana project	1476	WF-12340	W1160058	N414446	grab	pvd3	285.000	219.00	0.396	599.00	14.200	19.500	3185.00	499.000	<0.5	492.00	<0.25	1.000	3.990	1.14	0.604	<0.005	126	NA
Orvana project	1477	WF-12341	W1160058	N414446	grab	pvd3	42.000	27.90	0.063	75.60	1.460	11.200	550.00	78.000	<0.5	96.30	<0.25	0.284	1.020	<1	<0.5	<0.005	<25	NA
Orvana project	1478	WF-12342	W1160058	N414446	grab	pvd3	1.940	49.70	0.002	12.10	0.156	16.400	15.90	12.400	<0.5	23.20	<0.25	0.160	<0.5	<1	<0.5	<0.005	273	NA
Orvana project	1479	WF-12343	W1160107	N414444	grab	pvd3	0.485	35.00	0.026	7.34	<0.1	10.000	8.49	8.580	<0.5	12.20	<0.25	0.180	<0.5	<1	<0.5	<0.005	65	NA
Orvana project	1480	WF-12344	W1160105	N414441	grab	pvd3	0.505	32.70	0.001	329.00	<0.1	14.300	47.20	13.300	<0.5	57.40	<0.25	0.140	<0.5	<1	<0.5	<0.005	<25	NA
Orvana project	1481	WF-12345	W1160110	N414442	grab	pvd3	592.000	388.00	0.105	410.00	<0.1	10.900	15500.00	261.000	<0.5	1019.00	<0.25	7.200	<0.5	<1	<0.5	<0.005	42	NA
Orvana project	1482	WF-12346	W1160110	N414442	grab	pvd3	6.700	133.00	0.003	12.70	0.376	8.850	78.70	29.400	<0.5	83.50	<0.25	1.630	<0.5	<1	<0.5	<0.005	228	NA
Orvana project	1483	WF-12347	W1160043	N414431	select	pvd3	1.420	26.20	0.001	7.66	<0.1	9.660	33.90	2.270	<0.5	24.80	1.310	0.247	<0.5	<1	<0.5	<0.005	<25	NA
Orvana project	1562	WF-12389	W1160815	N414441	grab	dov3	0.057	2.37	<0.001	8.33	<0.1	11.700	1.53	0.941	<0.5	1.25	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Orvana project	1563	WF-12390	W1160822	N414438	grab	dov3	0.026	4.86	<0.001	5.22	<0.1	11.900	1.25	2.430	<0.5	2.77	<0.25	<0.1	<0.5	<1	<0.5	<0.005	53	NA
Orvana project	1564	WF-12391	W1160836	N414434	grab	dov3	0.033	13.70	0.001	7.41	<0.1	5.640	1.55	1.920	<0.5	7.61	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Orvana project	1565	WF-12392	W1160845	N414431	grab	dov3	0.172	207.00	0.006	155.00	1.020	7.720	9.52	23.700	0.597	155.00	<0.25	2.690	<0.5	<1	<0.5	<0.005	1031	NA
Orvana project	1584	WF-12448	W1160531	N414523	grab	dov3	0.046	2.09	<0.001	16.40	<0.1	1.820	6.28	1.470	<0.5	38.50	<0.25	<0.1	6.520	<1	<0.5	<0.005	1189	NA
Orvana project	1586	WF-12449	W1160521	N414514	grab	pvd3	0.204	30.10	0.002	66.70	<0.1	1.560	3.54	4.130	<0.5	105.00	<0.25	0.319	3.620	<1	<0.5	<0.005	1758	NA
Orvana project	1595	WF-12456	W1160036	N414249	grab	pvd3	0.059	10.40	0.002	3.36	<0.1	0.856	3.28	5.270	<0.5	23.80	<0.25	0.108	<0.5	<1	<0.5	<0.005	56	NA
Orvana project	1596	WF-12457	W1160037	N414251	grab	pvd3	0.350	86.40	0.002	10.60	<0.1	5.390	4.48	41.600	<0.5	17.60	<0.25	0.990	<0.5	<1	<0.5	<0.005	133	NA
PC claims (Jerritt Cyn)	553	WF-11075	W1155928	N411632	grab	dov1	0.260	8.65	0.007	16.50	<0.1	10.800	3.80	1.150	<0.5	46.10	<0.25	0.431	<0.5	<1	<0.5	<0.005	610	<4
PC claims (Jerritt Cyn)	554	WF-11076	W1155927	N411632	grab	dov1	0.095	5.29	0.004	59.20	<0.1	2.230	2.28	1.250	<0.5	137.00	<0.25	0.214	4.980	<1	<0.5	<0.005	6513	<4
Palo Alto placer group (patented)	1585	4/	W1160537	N414520	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Palo Alto placer group (patented)	1587	4/	W1160500	N414507	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Palo Alto placer group (patented)	1588	4/	W1160606	N414507	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pat claim group	230	WF-10800	W1160126	N414905	grab	tvol	0.046	<1	0.001	19.30	<0.1	0.481	4.45	<0.25	<0.5	55.60	<0.25	<0.1	4.520	<1	<0.5	<0.005	1420	<4
Pat claim group	231	WF-10801	W1160114	N414926	grab	tvol	0.026	1.54	<0.001	33.40	<0.1	2.230	4.98	<0.25	<0.5	61.80	<0.25	<0.1	4.890	<1	<0.5	<0.005	1330	<4
Pat claim group	292	WF-10829	W1160038	N414927	grab	mcs3	5.050	170.00	0.017	13.00	0.106	1.830	19.30	7.240	<0.5	75.10	<0.25	0.966	<0.5	<1	<0.5	<0.005	42	<4
Pat claim group	293	WF-10830	W1160024	N414909	grab	mbn3	0.426	353.00	0.567	16.10	<0.1	7.680	21.80	6.160	<0.5	98.40	<0.25	0.865	<0.5	<1	<0.5	<0.005	231	4
Pat claim group	369	WF-10906	W1160043	N414925	grab	mbn3	0.595	17.60	0.001	17.50	<0.1	6.940	13.30	2.740	<0.5	34.60	<0.25	0.356	1.780	<1	<0.5	<0.005	591	<4
Pat claim group	370	WF-10907	W1160041	N414912	grab	mcs3	0.272	74.70	0.014	11.20	<0.1	0.512	6.39	6.210	<0.5	25.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	66	<4
Pat claim group	464	WF-11009	W1160308	N414952	grab	mcs3	0.570	261.00	0.031	100.00	<0.1	1.350	30.00	11.000	<0.5	189.00	0.913	0.235	0.754	<1	<0.5	<0.005	747	<4
Pat claim group	465	WF-11010	W1160312	N414953	grab	mcs3	0.485	36.80	0.004	77.50	<0.1	1.960	6.47	2.930	<0.5	26.60	<0.25	0.110	3.940	<1	<0.5	<0.005	828	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Peru nos. 1-45	725	WF-11495	W1155742	N413846	grab	pms2	0.406	23.90	0.001	71.50	0.153	7.040	25.30	5.290	<0.5	23.20	<0.25	0.105	1.060	4.58	<0.5	<0.005	3237	<4
Peru nos. 1-45	726	WF-11496	W1155745	N413846	grab	pms2	0.177	38.30	0.001	128.00	0.366	1.030	11.00	9.600	<0.5	22.90	<0.25	0.126	1.670	<1	<0.5	<0.005	2909	<4
Peru nos. 1-45	727	WF-11497	W1155747	N413845	grab	pms2	0.211	75.10	0.006	215.00	1.020	3.300	12.30	17.900	0.933	49.10	<0.25	0.340	2.280	1.25	<0.5	<0.005	2018	<4
Peru nos. 1-45	1745	WF-12606	W1155727	N413924	grab	pms2	0.279	57.20	0.001	6.62	2.190	12.900	6.02	18.700	3.060	4.25	<0.25	<0.1	1.180	<1	<0.5	<0.005	1135	NA
Peru nos. 1-45	1746	WF-12607	W1155730	N413921	grab	pms2	0.035	23.70	<0.001	0.24	0.074	0.706	0.76	0.960	1.210	0.23	<0.25	<0.1	0.053	<1	<0.5	<0.005	1208	NA
Peru nos. 1-45	1747	WF-12608	W1155734	N413918	grab	pms2	0.145	8.24	0.001	9.99	0.617	10.800	5.51	8.630	<0.5	3.28	<0.25	<0.1	0.759	<1	<0.5	<0.005	1841	NA
Peru nos. 1-45	1748	WF-12609	W1155739	N413913	grab	pms2	0.215	220.00	0.001	12.70	2.090	7.660	5.75	171.000	<0.5	6.09	<0.25	0.102	1.330	<1	<0.5	<0.005	721	NA
Peru nos. 1-45	1749	WF-12610	W1155743	N413908	grab	pms2	0.091	227.00	0.003	21.10	1.190	8.530	8.30	39.700	<0.5	15.50	<0.25	0.267	2.030	<1	<0.5	<0.005	1023	NA
Peru nos. 1-45	1750	WF-12611	W1155749	N413900	grab	pms2	0.217	11.60	0.006	5.32	1.130	7.260	5.28	9.920	0.526	3.73	<0.25	<0.1	0.583	<1	<0.5	<0.005	573	NA
Pete claims (Big Springs)	1348	WF-12223	W1155630	N413353	grab	pmi2	0.041	21.20	<0.001	1.87	<0.1	0.491	2.13	2.860	<0.5	23.10	<0.25	0.180	<0.5	<1	<0.5	<0.005	104	NA
Pete claims (Big Springs)	1349	WF-12224	W1155630	N413353	grab	pmi2	0.163	174.00	0.009	2807.00	13.400	0.349	378.00	181.000	<0.5	235.00	<0.25	5.180	<0.5	<1	<0.5	<0.005	153	NA
Pete claims (Big Springs)	1452	WF-12316	W1155639	N413333	grab	pmi2	0.144	7.34	0.006	8.61	<0.1	2.530	5.39	3.120	<0.5	35.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	384	NA
Pete claims (Big Springs)	1453	WF-12317	W1155632	N413335	grab	ccm2	0.401	176.00	0.006	12.60	0.424	7.590	51.70	280.000	<0.5	212.00	<0.25	0.105	<0.5	<1	<0.5	<0.005	283	NA
Pete claims (Big Springs)	1462	WF-12326	W1155538	N413235	grab	dov1	0.028	13.10	<0.001	3.69	<0.1	6.820	1.06	3.120	<0.5	1.92	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Pete claims (Big Springs)	1463	WF-12327	W1155521	N413238	grab	dov1	0.066	10.20	0.001	4.31	<0.1	13.600	1.81	66.800	<0.5	1.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	251	NA
Pete claims (Big Springs)	1464	WF-12328	W1155509	N413242	grab	dov1	0.067	110.00	<0.001	6.57	0.456	5.840	1.22	9.440	<0.5	3.92	<0.25	<0.1	<0.5	<1	<0.5	<0.005	86	NA
Pete claims (Big Springs)	1465	WF-12329	W1155453	N413245	grab	dov1	0.027	6.22	0.001	3.49	<0.1	16.200	1.57	2.610	<0.5	5.08	<0.25	<0.1	<0.5	<1	<0.5	<0.005	55	NA
Pete claims (Big Springs)	1470	WF-12334	W1155617	N413247	grab	dov1	0.048	29.90	0.004	5.13	0.525	10.300	1.57	3.270	<0.5	1.47	<0.25	<0.1	<0.5	<1	<0.5	<0.005	89	NA
Pete claims (Big Springs)	1471	WF-12335	W1155517	N413308	grab	ccm2	0.022	15.70	0.014	3.65	<0.1	7.700	10.90	0.933	<0.5	8.73	<0.25	<0.1	<0.5	<1	<0.5	<0.005	288	NA
Pie claims (Jerritt Cyn)	1148	WF-11997	W1155833	N411707	grab	dov1	0.108	1.92	0.002	38.70	<0.1	0.926	4.22	0.794	<0.5	14.10	<0.25	<0.1	1.270	0.96	<0.5	<0.005	6838	<4
Pie claims (Jerritt Cyn)	1149	WF-11998	W1155805	N411656	grab	dov1	<0.015	1.20	<0.001	38.60	<0.1	2.300	1.26	0.325	<0.5	138.00	<0.25	0.849	7.980	<1	<0.5	<0.005	14090	<4
Pie claims (Jerritt Cyn)	1150	WF-11999	W1155746	N411633	grab	dov1	0.417	2.26	0.011	21.50	<0.1	1.670	2.04	0.659	<0.5	2.92	<0.25	<0.1	<0.5	2.68	<0.5	<0.005	997	<4
Pie claims (Jerritt Cyn)	1153	WF-12002	W1155752	N411659	grab	dov1	0.319	26.50	0.005	26.30	<0.1	5.700	7.55	2.110	<0.5	98.80	<0.25	0.477	0.559	1.20	<0.5	<0.005	613	<4
Pie claims (Jerritt Cyn)	1174	WF-12032	W1155857	N411634	grab	dov1	0.022	2.43	0.001	1.57	<0.1	0.516	0.77	<0.25	<0.5	5.26	<0.25	0.130	<0.5	<1	<0.5	<0.005	103	<4
Pie claims (Jerritt Cyn)	1175	WF-12033	W1155856	N411634	grab	dov1	0.017	1.96	0.001	40.00	<0.1	1.230	0.80	<0.25	<0.5	112.00	<0.25	0.377	6.820	<1	<0.5	<0.005	570	<4
Pie claims (Jerritt Cyn)	1176	WF-12034	W1155847	N411612	grab	dov1	0.146	4.00	0.002	9.74	<0.1	0.995	4.78	0.351	<0.5	59.00	<0.25	0.635	0.561	<1	<0.5	<0.005	788	<4
Pie claims (Jerritt Cyn)	1177	WF-12035	W1155846	N411612	grab	dov1	0.055	3.21	0.003	26.80	<0.1	11.800	1.65	0.544	<0.5	129.00	<0.25	0.348	<0.5	<1	<0.5	<0.005	467	<4
Pie claims (Jerritt Cyn)	1178	WF-12036	W1155737	N411548	grab	tvol	0.054	1.44	<0.001	3.44	<0.1	0.881	6.81	<0.25	<0.5	10.10	<0.25	<0.1	1.550	<1	<0.5	<0.005	4411	<4
Pie claims (Jerritt Cyn)	1179	WF-12037	W1155745	N411516	grab	tvol	0.052	5.64	<0.001	7.80	<0.1	1.030	5.45	0.344	<0.5	13.00	<0.25	0.161	1.200	<1	<0.5	<0.005	3594	<4
Pie claims (Jerritt Cyn)	1180	WF-12038	W1155903	N411523	grab	dov1	0.089	3.03	0.001	6.46	<0.1	2.330	4.23	0.414	<0.5	17.60	<0.25	0.153	<0.5	<1	<0.5	<0.005	890	<4
Pioneer claim group (patented)	677	WF-11134	W1160824	N414120	select	ccm3	470.000	141.00	0.097	711.00	8.050	1.940	12800.00	727.000	<0.5	12900.00	<0.25	91.200	<0.5	18.50	8.960	<0.005	380	<4
Pioneer claim group (patented)	678	WF-11135	W1160825	N414120	select	ccm3	1462.000	512.00	0.183	2460.00	17.000	12.700	28600.00	2843.000	<0.5	3546.00	3.110	226.000	<0.5	21.20	11.400	<0.005	659	<4
Pioneer claim group (patented)	679	WF-11136	W1160822	N414121	select	ccm3	192.000	210.00	0.223	305.00	1.160	2.730	8759.00	436.000	<0.5	1853.00	<0.25	45.400	<0.5	<1	<0.5	<0.005	150	<4
Pioneer claim group (patented)	680	WF-11137	W1160820	N414122	select	ccm3	385.000	62.30	0.049	144.00	<0.1	13.700	30500.00	370.000	<0.5	2321.00	<0.25	31.200	<0.5	26.10	<0.5	<0.005	295	<4
Pioneer claim group (patented)	681	WF-11138	W1160819	N414123	chip	ccm3	53.200	45.20	0.016	119.00	4.510	1.480	572.00	114.000	<0.5	773.00	<0.25	15.600	<0.5	<1	<0.5	<0.005	397	<4
Pioneer claim group (patented)	682	WF-11139	W1160819	N414123	chip	ccm3	31.000	80.80	0.120	196.00	4.900	1.010	1876.00	58.800	4.770	1211.00	<0.25	24.300	1.930	<1	0.518	<0.005	315	<4
Pioneer claim group (patented)	683	WF-11140	W1160819	N414123	chip	ccm3	79.900	61.50	16.300	177.00	<0.1	13.800	2071.00	166.000	<0.5	1690.00	<0.25	35.400	<0.5	<1	<0.5	<0.005	195	<4
Pioneer claim group (patented)	684	WF-11141	W1160818	N414124	grab	ccm3	18.600	161.00	0.015	78.40	2.120	5.790	905.00	92.400	7.680	1521.00	<0.25	37.700	2.220	<1	0.569	<0.005	707	<4
Pioneer claim group (patented)	685	WF-11142	W1160814	N414121	select	ccm3	268.000	101.00	0.042	165.00	<0.1	2.030	1580.00	584.000	<0.5	185.00	<0.25	9.760	<0.5	<1	<0.5	<0.005	597	<4
Pioneer claim group (patented)	813	WF-11584	W1160840	N414110	chip	ccm3	5.190	13.70	0.001	18.30	0.144	0.566	106.00	9.600	<0.5	64.70	<0.25	1.440	<0.5	<1	<0.5	<0.005	165	<4
Pioneer claim group (patented)	814	WF-11585	W1160832	N414112	grab	ccm3	0.574	65.90	<0.001	17.90	0.178	0.571	25.00	15.900	0.505	161.00	<0.25	0.481	1.150	<1	<0.5	<0.005	508	8
Pioneer claim group (patented)	815	WF-11586	W1160817	N414130	chip	ccm3	44.900	25.40	0.010	139.00	1.810	9.170	821.00	143.000	<0.5	796.00	<0.25	6.540	1.200	1.28	<0.5	<0.005	81	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Pioneer claim group (patented)	816	WF-11587	W1160817	N414130	select	ccm3	280.000	94.90	0.094	633.00	5.880	11.000	4248.00	645.000	<0.5	2044.00	<0.25	45.300	<0.5	<1	<0.5	<0.005	458	8
Pioneer claim group (patented)	817	WF-11588	W1160820	N414128	grab	ccm3	2.140	90.40	0.017	9.19	0.181	0.528	59.00	19.500	0.602	259.00	<0.25	5.240	<0.5	<1	<0.5	<0.005	428	<4
Pioneer claim group (patented)	818	WF-11589	W1160820	N414127	select	ccm3	396.000	97.00	0.259	702.00	2.230	2.550	6627.00	839.000	<0.5	3607.00	<0.25	44.800	<0.5	<1	<0.5	<0.005	757	8
Pioneer claim group (patented)	819	WF-11590	W1160820	N414127	grab	ccm3	83.400	39.00	0.101	168.00	1.340	9.730	2017.00	104.000	<0.5	2672.00	<0.25	12.000	<0.5	1.48	0.725	<0.005	168	<4
Pioneer claim group (patented)	820	WF-11591	W1160820	N414126	select	ccm3	209.000	57.80	0.393	504.00	4.560	11.800	1922.00	254.000	<0.5	6454.00	<0.25	61.800	<0.5	<1	<0.5	<0.005	359	<4
Pioneer claim group (patented)	821	WF-11592	W1160830	N414119	select	ccm3	305.000	51.50	0.072	79.00	<0.1	5.140	45400.00	267.000	<0.5	37500.00	<0.25	295.000	<0.5	16.20	<0.5	<0.005	208	32
Pioneer claim group (patented)	822	WF-11593	W1160829	N414120	select	ccm3	105.000	82.40	0.101	52.80	3.160	2.380	9833.00	235.000	<0.5	8448.00	<0.25	86.500	<0.5	<1	<0.5	<0.005	317	<4
Pioneer claim group (patented)	823	WF-11594	W1160806	N414138	grab	ccm3	18.600	33.80	0.077	23.40	2.500	15.800	2392.00	926.000	<0.5	1186.00	<0.25	20.700	<0.5	<1	<0.5	<0.005	773	<4
Pioneer claim group (patented)	824	WF-11595	W1160808	N414136	grab	ccm3	69.100	22.00	0.107	105.00	2.390	10.500	1228.00	392.000	<0.5	255.00	<0.25	9.080	<0.5	<1	<0.5	<0.005	370	<4
Pioneer claim group (patented)	825	WF-11596	W1160803	N414147	select	oaf3	244.000	140.00	0.030	1031.00	5.270	1.730	5882.00	1843.000	<0.5	516.00	0.628	34.500	<0.5	5.42	3.840	<0.005	1204	<4
Polaris-Champion (patented)	136	WF-10992	W1160526	N414142	chip	oaf3	103.000	70.80	0.539	185.00	0.793	0.725	1002.00	228.000	<0.5	836.00	<0.25	18.100	<0.5	<1	<0.5	<0.005	104	<4
Polaris-Champion (patented)	137	WF-9634	W1160526	N414142	chip	oaf3	8.220	37.70	0.048	38.70	0.437	0.943	50.70	21.600	0.475	252.00	0.502	0.452	0.768	0.99	<0.5	<0.005	1003	<4
Polaris-Champion (patented)	138	WF-9635	W1160526	N414142	chip	oaf3	239.000	64.10	1.250	386.00	2.580	0.854	1518.00	389.000	<0.5	972.00	0.289	25.000	<0.5	<1	0.696	<0.005	122	<4
Polaris-Champion (patented)	139	WF-9636	W1160526	N414142	chip	oaf3	809.000	143.00	1.770	1982.00	2.700	1.520	3830.00	1234.000	<0.5	2993.00	1.420	48.800	<0.5	1.80	<0.5	<0.005	264	80
Polaris-Champion (patented)	140	WF-9637	W1160526	N414142	grab	oaf3	9.390	17.50	0.040	21.30	0.422	0.575	66.40	14.180	<0.5	145.00	<0.25	1.010	<0.5	<1	<0.5	<0.005	136	<4
Polaris-Champion (patented)	141	WF-9638	W1160526	N414142	chip	oaf3	8.720	21.10	0.057	43.30	1.670	0.703	92.00	20.800	<0.5	94.00	<0.25	0.856	<0.5	<1	<0.5	<0.005	213	<4
Polaris-Champion (patented)	142	WF-9639	W1160526	N414142	grab	oaf3	382.000	30.40	1.700	736.00	0.998	0.759	1999.00	190.600	<0.5	1715.00	<0.25	49.100	<0.5	1.08	0.718	<0.005	46	<4
Poorman placer group (patented)	664	4/	W1160104	N414522	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Poorman placer group (patented)	665	4/	W1160113	N414521	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Poorman placer group (patented)	666	4/	W1160136	N414518	pan	4/	NA	NA	------	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Protection group (patented)	450	WF-10988	W1155839	N415048	chip	kjd3	0.777	6.48	0.001	2.96	<0.1	0.870	29.40	0.654	<0.5	13.10	<0.25	0.158	<0.5	<1	<0.5	<0.005	<25	<4
Protection group (patented)	501	WF-11045	W1155839	N415046	select	kjd3	33.400	1221.00	0.085	67.30	<0.1	1.540	516.00	10.900	<0.5	274.00	<0.25	5.820	<0.5	<1	<0.5	<0.005	953	4
Protection group (patented)	502	WF-11046	W1155842	N415047	grab	kjd3	2.240	331.00	0.065	12.70	<0.1	7.700	118.00	4.640	<0.5	46.50	0.419	0.634	<0.5	<1	<0.5	<0.005	1178	8
Protection group (patented)	503	WF-11047	W1155842	N415047	grab	kjd3	17.700	217.00	0.299	11.00	0.162	10.500	281.00	6.710	<0.5	195.00	0.440	3.530	<0.5	<1	<0.5	<0.005	520	40
Protection group (patented)	504	WF-11048	W1155842	N415047	grab	kjd3	1165.000	56.90	18.400	214.00	0.576	1.760	1212.00	48.300	<0.5	157.00	4.030	6.250	<0.5	<1	0.798	<0.005	1265	8
Protection group (patented)	505	WF-11049	W1155842	N415047	grab	kjd3	115.000	29.00	1.590	53.10	<0.1	13.200	121.00	5.520	<0.5	67.00	0.472	0.866	<0.5	<1	<0.5	<0.005	37	40
Protection group (patented)	506	WF-11050	W1155828	N415043	grab	kjd3	451.000	61.50	1.040	93.00	0.159	0.709	316.00	18.600	<0.5	137.00	1.790	3.500	<0.5	<1	<0.5	<0.005	53	<4
Protection group (patented)	507	WF-11051	W1155822	N415041	grab	kjd3	411.000	54.50	2.690	62.30	0.240	13.000	276.00	14.500	<0.5	226.00	0.270	4.500	<0.5	<1	<0.5	<0.005	9	<4
Protection group (patented)	508	WF-11052	W1155838	N415040	grab	kjd3	435.000	491.00	0.505	209.00	0.596	6.140	966.00	22.100	<0.5	325.00	<0.25	10.600	0.608	<1	<0.5	<0.005	946	8
Push Pull claims	1012	WF-11872	W1160404	N413026	grab	pms2	0.518	563.00	0.005	7.74	21.400	11.500	3.31	288.000	19.700	14.70	<0.25	0.181	1.329	1.41	<0.5	<0.005	977	<4
Push Pull claims	1640	WF-12523	W1160323	N413042	grab	msc2	0.236	49.30	0.006	7.94	1.630	10.000	4.38	22.500	1.120	2.95	<0.25	<0.1	0.540	<1	<0.5	<0.005	531	NA
Push Pull claims	1641	WF-12524	W1160333	N413038	grab	pms2	2.790	451.00	0.003	52.30	1.990	22.200	9.99	23.100	0.631	11.70	<0.25	0.762	0.743	12.90	<0.5	<0.005	558	NA
Push Pull claims	1642	WF-12525	W1160340	N413050	grab	msc2	0.365	28.30	<0.001	4.82	1.210	7.800	3.28	14.900	1.570	6.14	<0.25	0.116	0.711	1.38	<0.5	<0.005	503	NA
Push Pull claims	1643	WF-12526	W1160339	N413104	grab	msc2	0.139	3.60	0.001	22.20	<0.1	18.300	2.66	0.569	<0.5	37.20	<0.25	0.990	0.581	<1	<0.5	<0.005	553	NA
Push Pull claims	1645	WF-12528	W1160326	N413118	grab	msc2	0.022	<1	0.001	9.48	<0.1	16.500	1.91	0.343	<0.5	16.60	<0.25	<0.1	1.270	<1	<0.5	<0.005	8138	NA
R nos. 1-65	134	WF-9632	W1160755	N414037	select	cpm3	16.700	281.00	1.300	45.10	<0.1	<0.1	3170.00	28.600	<0.5	36.90	3.330	<0.1	<0.5	<1	<0.5	<0.005	19	<4
R nos. 1-65	135	WF-9633	W1160730	N414028	chip	ccm3	0.502	13.50	0.019	9.15	<0.1	0.754	12.10	1.140	<0.5	183.00	<0.25	0.426	<0.5	<1	<0.5	<0.005	2514	<4
R nos. 1-65	196	WF-9687	W1160653	N414124	grab	ccm3	0.193	19.10	0.002	2.08	<0.1	0.945	22.80	1.350	<0.5	33.10	<0.25	0.179	<0.5	<1	<0.5	<0.005	31	<4
R nos. 1-65	197	WF-9688	W1160638	N414115	select	ccm3	149.000	25.50	0.042	2.39	4.060	4.700	26700.00	76.300	<0.5	8456.00	5.250	95.800	<0.5	18.60	6.250	<0.005	7281	<4
R nos. 1-65	198	WF-9689	W1160638	N414115	chip	ccm3	23.600	105.00	0.018	3.44	2.800	<0.1	2145.00	30.800	<0.5	1036.00	3.900	19.900	<0.5	<1	<0.5	<0.005	200	4
R nos. 1-65	199	WF-9690	W1160638	N414115	chip	ccm3	0.986	15.40	0.001	15.10	<0.1	0.934	187.00	32.400	<0.5	43.80	<0.25	1.100	<0.5	<1	<0.5	<0.005	6	<4
R nos. 1-65	200	WF-9691	W1160638	N414115	grab	ccm3	1.310	75.20	0.003	9.49	0.207	0.582	370.00	11.800	2.950	356.00	<0.25	2.290	<0.5	<1	<0.5	<0.005	69	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
R nos. 1-65	201	WF-9692	W1160636	N414112	select	ccm3	43.000	19.10	0.044	2.18	<0.1	3.490	8397.00	21.800	<0.5	1460.00	<0.25	12.100	<0.5	<1	<0.5	<0.005	18	<4
R nos. 1-65	1264	WF-12091	W1160749	N414039	select	cpm3	33.700	2330.00	19.900	2915.00	<0.1	9.870	3910.00	37.900	<0.5	155.00	<0.25	5.250	<0.5	<1	<0.5	<0.005	1041	NA
R nos. 1-65	1265	WF-12092	W1160757	N414040	grab	ccm3	0.158	10.60	0.006	6.40	0.110	2.150	45.20	0.965	<0.5	61.30	<0.25	0.135	<0.5	<1	<0.5	<0.005	255	NA
R nos. 1-65	1266	WF-12093	W1160757	N414040	grab	cpm3	0.206	12.10	0.028	13.50	<0.1	16.800	14.30	1.520	<0.5	12.30	0.329	0.125	<0.5	<1	<0.5	<0.005	114	NA
R nos. 1-65	1267	WF-12094	W1160800	N414051	grab	cpm3	0.102	4.67	0.003	14.90	<0.1	13.800	2.66	4.550	<0.5	8.06	<0.25	<0.1	<0.5	<1	<0.5	<0.005	210	NA
R nos. 1-65	1268	WF-12095	W1160800	N414051	grab	cpm3	0.067	9.62	0.002	4.71	<0.1	8.540	3.06	0.954	<0.5	7.03	<0.25	<0.1	<0.5	<1	<0.5	<0.005	101	NA
R nos. 1-65	1269	WF-12096	W1160806	N414055	grab	ccm3	32.500	423.00	65.400	156.00	<0.1	10.500	5626.00	15.600	<0.5	24.00	<0.25	1.190	<0.5	<1	<0.5	<0.005	680	NA
R nos. 1-65	1270	WF-12097	W1160806	N414055	grab	ccm3	0.181	24.00	0.059	22.70	<0.1	4.040	45.00	5.670	<0.5	80.20	0.248	0.294	<0.5	<1	<0.5	<0.005	326	NA
R nos. 1-65	1271	WF-12098	W1160805	N414051	grab	cpm3	0.057	6.52	0.011	20.80	<0.1	10.100	15.40	3.020	<0.5	11.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	425	NA
R nos. 1-65	1272	WF-12099	W1160805	N414051	grab	cpm3	0.068	9.57	0.014	16.40	<0.1	6.040	21.30	3.160	<0.5	14.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	254	NA
R nos. 1-65	1273	WF-12100	W1160805	N414043	grab	cpm3	0.040	3.75	0.004	8.57	<0.1	10.500	10.70	1.340	<0.5	19.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	514	NA
R nos. 1-65	1274	WF-12101	W1160805	N414043	grab	cpm3	0.024	<1	0.001	1.00	<0.1	3.670	4.45	0.998	<0.5	7.83	<0.25	<0.1	<0.5	<1	<0.5	<0.005	241	NA
R nos. 1-65	1275	WF-12102	W1160800	N414037	grab	cpm3	0.079	14.70	0.004	14.00	<0.1	10.000	8.20	0.681	<0.5	36.20	<0.25	0.165	<0.5	<1	<0.5	<0.005	<25	NA
R nos. 1-65	1276	WF-12103	W1160800	N414034	select	cpm3	50.900	83.10	77.200	716.00	<0.1	15.300	9557.00	16.800	<0.5	279.00	6.790	7.020	<0.5	<1	<0.5	<0.005	307	NA
R nos. 1-65	1409	WF-12273	W1160719	N414044	grab	cpm3	0.121	10.90	<0.001	10.30	<0.1	6.880	18.10	33.900	<0.5	9.19	<0.25	<0.1	<0.5	<1	<0.5	<0.005	97	NA
R nos. 1-65	1414	WF-12278	W1160746	N414051	grab	ccm3	0.028	11.80	0.003	11.70	<0.1	7.590	6.76	1.570	<0.5	38.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
RH group	571	WF-11414	W1160947	N414720	grab	pmc3	0.079	1.96	0.001	3.04	<0.1	1.970	1.38	0.710	<0.5	22.90	<0.25	0.519	<0.5	<1	<0.5	<0.005	344	<4
RH group	572	WF-11415	W1160947	N414720	grab	pmc3	0.137	<1	0.001	4.63	<0.1	11.500	0.27	<0.25	<0.5	10.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	33	<4
RH group	573	WF-11416	W1160942	N414718	grab	pmc3	0.278	14.30	0.010	44.80	0.199	7.220	4.48	1.250	<0.5	235.00	<0.25	1.110	<0.5	5.58	<0.5	<0.005	561	<4
RH group	1566	WF-12393	W1160950	N414715	grab	tvol	0.015	<1	<0.001	12.10	<0.1	0.852	0.56	0.425	<0.5	55.90	<0.25	<0.1	5.390	<1	<0.5	<0.005	1139	NA
RH group	1567	WF-12394	W1161009	N414717	grab	pmc3	0.030	1.72	0.001	2.78	<0.1	10.900	0.84	<0.25	<0.5	2.62	<0.25	<0.1	<0.5	<1	<0.5	<0.005	84	NA
Rainbow Consolidated (placer)	595	4/	W1160559	N414110	pan	4/	NA	NA	.113mg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Riddle mine	133	WF-9631	W1160749	N414031	select	ccm3	92.000	2383.00	19.100	2654.00	3.630	<0.1	942.00	83.900	4.830	195.00	6.390	5.600	<0.5	<1	<0.5	<0.005	441	<4
Riddle mine	1526	WF-12373	W1160749	N414033	grab	cpm3	2.520	190.00	0.525	19.20	2.430	12.800	149.00	34.300	<0.5	46.70	<0.25	1.230	12.500	<1	<0.5	<0.005	343	NA
Riddle mine	1527	WF-12374	W1160749	N414033	grab	cpm3	0.731	56.90	0.093	12.10	0.617	5.990	36.10	9.990	<0.5	26.50	0.301	0.142	<0.5	<1	<0.5	<0.005	367	NA
Riddle mine	1528	WF-12375	W1160749	N414033	chip	cpm3	0.458	50.60	0.037	13.30	0.818	3.560	24.70	6.450	<0.5	41.60	0.298	0.188	<0.5	<1	<0.5	<0.005	854	NA
Riddle mine	1529	WF-12376	W1160749	N414033	grab	cpm3	2.760	1027.00	0.512	18.20	0.755	2.820	38.60	16.000	<0.5	46.20	<0.25	0.112	<0.5	<1	<0.5	<0.005	412	NA
Riddle mine	1530	WF-12377	W1160749	N414033	grab	cpm3	0.191	77.00	0.005	14.40	<0.1	3.910	42.20	3.240	<0.5	30.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	715	NA
Rio Grande Copper	1549	WF-12436	W1155717	N414843	grab	dov3	0.404	376.00	0.021	251.00	0.187	17.600	9.03	14.800	<0.5	1107.00	<0.25	5.990	3.620	<1	<0.5	<0.005	242	NA
Rio Grande Copper	1550	WF-12437	W1155716	N414844	grab	dov3	0.643	30.80	0.012	59.10	<0.1	7.100	19.70	3.250	<0.5	53.30	<0.25	0.237	2.080	1.65	<0.5	<0.005	873	NA
Rio Tinto mine (patented)	511	WF-11055	W1155859	N414845	grab	dov3	3.730	45.10	0.093	1579.00	1.880	23.100	44.90	9.540	<0.5	611.00	1.550	2.110	1.230	32.20	2.480	<0.005	279	<4
Rio Tinto mine (patented)	512	WF-11056	W1155859	N414845	select	dov3	29.700	179.00	0.733	6191.00	43.700	3.490	334.00	24.700	<0.5	68300.00	<0.25	221.000	<0.5	41.30	<0.5	<0.005	<25	<4
Rio Tinto mine (patented)	1472	WF-12336	W1155913	N414850	grab	dov3	0.291	4.48	<0.001	25.30	<0.1	15.200	2.19	1.350	<0.5	12.70	<0.25	0.139	<0.5	<1	<0.5	<0.005	89	NA
Rio Tinto mine (patented)	1473	WF-12337	W1155913	N414850	grab	dov3	0.156	1.38	0.001	10.80	<0.1	8.300	1.55	139.000	<0.5	4.48	<0.25	<0.1	<0.5	<1	<0.5	<0.005	41	NA
Rio Tinto mine (patented)	1474	WF-12338	W1155912	N414852	grab	dov3	0.599	8.32	0.005	38.40	<0.1	13.500	5.28	112.000	<0.5	8.43	<0.25	0.295	<0.5	1.13	<0.5	<0.005	101	NA
Rio Tinto mine (patented)	1475	WF-12339	W1155912	N414852	grab	dov3	0.916	4.99	0.004	24.00	<0.1	10.700	2.06	10.600	<0.5	6.76	<0.25	0.250	<0.5	<1	<0.5	<0.005	84	NA
Rock claims	1156	WF-12005	W1155609	N411722	grab	dov1	0.023	4.59	0.001	21.40	<0.1	1.140	0.82	0.585	<0.5	45.60	<0.25	0.229	<0.5	<1	<0.5	<0.005	137	<4
Rock claims	1157	WF-12006	W1155602	N411721	grab	dov1	0.490	20.70	0.013	508.00	0.316	6.200	6.08	1.520	<0.5	73.00	<0.25	0.103	0.687	4.57	<0.5	<0.005	1301	<4
Rock claims	1158	WF-12007	W1155538	N411739	grab	dov1	0.260	6.75	0.005	1143.00	0.110	7.210	2.17	0.484	<0.5	10.90	<0.25	<0.1	<0.5	2.55	<0.5	<0.005	588	<4
Rock claims	1159	WF-12008	W1155605	N411728	grab	dov1	1.310	275.00	0.032	405.00	0.807	21.600	25.00	11.100	<0.5	17.80	<0.25	0.299	0.609	11.70	<0.5	<0.005	1282	<4
Rock claims	1160	WF-12009	W1155557	N411725	grab	dov1	0.403	12.50	0.015	164.00	0.397	7.260	7.76	4.620	<0.5	29.20	<0.25	0.105	1.180	4.55	<0.5	<0.005	1732	<4
Scarlette claims	462	WF-11007	W1160522	N414805	grab	tvol	0.028	<1	<0.001	3.16	<0.1	0.656	2.88	<0.25	<0.5	56.60	<0.25	<0.1	3.640	<1	<0.5	<0.005	1540	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Scarlette claims	1281	WF-12171	W1160501	N414906	grab	pmc3	0.055	8.14	<0.001	63.10	<0.1	0.495	1.05	1.080	<0.5	91.30	<0.25	<0.1	12.400	<1	<0.5	<0.005	1001	NA
Scarlette claims	1282	WF-12172	W1160500	N414905	grab	pmc3	0.036	8.51	0.001	81.80	<0.1	0.717	1.56	1.600	<0.5	54.00	<0.25	0.129	9.710	<1	<0.5	<0.005	357	NA
Scarlette claims	1283	WF-12173	W1160457	N414907	grab	pmc3	<0.015	4.30	<0.001	16.00	<0.1	7.780	0.75	0.592	<0.5	10.90	<0.25	<0.1	1.530	<1	<0.5	<0.005	<25	NA
Scarlette claims	1284	WF-12174	W1160444	N414911	grab	pmc3	0.020	2.46	<0.001	44.10	<0.1	0.597	0.71	0.453	<0.5	48.00	<0.25	<0.1	9.490	<1	<0.5	<0.005	96	NA
Sheep Creek claims	544	WF-11398	W1160125	N414023	grab	tvol	0.046	1.64	<0.001	4.37	<0.1	0.569	5.08	0.521	<0.5	33.70	<0.25	0.183	1.890	<1	<0.5	<0.005	2449	<4
Sheep Creek claims	545	WF-11399	W1160046	N414027	grab	tvol	0.041	3.01	<0.001	3.82	0.401	2.470	12.70	1.880	<0.5	14.70	<0.25	<0.1	0.895	<1	<0.5	<0.005	528	4
Sheep Creek claims	546	WF-11400	W1160043	N414033	grab	tvol	0.034	2.51	<0.001	2.82	0.556	0.475	10.90	2.400	<0.5	12.10	<0.25	<0.1	0.989	<1	<0.5	<0.005	460	4
Sheep Creek claims	547	WF-11401	W1160043	N414033	grab	tvol	0.030	<1	<0.001	1.85	<0.1	0.666	8.71	1.090	<0.5	21.90	<0.25	0.106	1.890	<1	<0.5	<0.005	2072	<4
Sheep Creek claims	548	WF-11402	W1160040	N414047	grab	tvol	0.034	2.02	<0.001	2.41	0.388	2.260	17.50	0.839	<0.5	11.00	<0.25	<0.1	1.080	<1	<0.5	<0.005	310	<4
Sheep Creek claims	549	WF-11403	W1160037	N414035	grab	tvol	0.697	8.84	0.004	13.60	3.210	9.910	3.97	8.300	<0.5	189.00	<0.25	1.530	0.549	<1	<0.5	<0.005	390	<4
Sheep Creek claims	550	WF-11404	W1160037	N414031	grab	tvol	0.159	4.34	0.005	32.00	0.380	0.650	5.62	4.070	<0.5	81.00	<0.25	0.237	0.601	<1	<0.5	<0.005	1189	<4
Sheep Creek claims	601	WF-11096	W1160019	N414010	grab	tvol	0.189	1.47	0.001	3.51	<0.1	6.100	6.22	198.000	<0.5	18.60	<0.25	<0.1	1.410	<1	<0.5	<0.005	1158	<4
Sheep Creek claims	617	WF-11107	W1160137	N414107	grab	pms2	0.300	5.70	0.007	48.10	<0.1	6.060	4.93	4.680	<0.5	83.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	2777	<4
Sheep Creek claims	618	WF-11108	W1160135	N414109	grab	pms2	0.333	11.00	0.006	65.60	0.453	14.700	11.20	11.200	<0.5	248.00	<0.25	<0.1	0.482	1.08	<0.5	<0.005	2449	<4
Sheep Creek claims	619	WF-11109	W1160135	N414111	grab	pms2	0.200	3.17	0.005	61.00	0.226	8.660	4.97	6.850	<0.5	382.00	<0.25	0.184	0.842	<1	<0.5	<0.005	1643	<4
Sheep Creek claims	620	WF-11110	W1160134	N414113	grab	pms2	0.274	7.19	0.003	71.10	<0.1	16.800	3.09	4.590	<0.5	397.00	<0.25	0.241	<0.5	<1	<0.5	<0.005	948	<4
Sheep Creek claims	621	WF-11430	W1160132	N414115	grab	pms2	0.308	24.00	0.004	52.40	<0.1	7.660	15.60	7.480	<0.5	232.00	<0.25	0.178	<0.5	<1	<0.5	<0.005	3850	<4
Sheep Creek claims	622	WF-11431	W1160127	N414117	grab	pms2	0.508	27.90	0.003	68.80	0.122	1.890	13.80	11.200	<0.5	285.00	<0.25	0.371	0.898	1.04	<0.5	<0.005	2459	<4
Sheep Creek claims	623	WF-11432	W1160125	N414117	grab	pms2	1.000	197.00	0.023	67.70	0.102	9.100	15.70	24.300	<0.5	75.50	<0.25	<0.1	0.501	1.40	<0.5	<0.005	5951	<4
Sheep Creek claims	624	WF-11433	W1160123	N414120	grab	pms2	0.956	149.00	0.009	53.40	<0.1	1.750	29.80	135.000	<0.5	152.00	<0.25	<0.1	0.791	1.52	<0.5	<0.005	2668	<4
Sheep Creek claims	625	WF-11434	W1160121	N414123	grab	pms2	0.183	48.90	0.003	126.00	<0.1	8.130	9.13	5.500	<0.5	76.70	<0.25	0.990	<0.5	<1	<0.5	<0.005	3744	<4
Sheep Creek claims	626	WF-11435	W1160058	N414102	grab	pms2	0.023	6.55	0.002	34.20	<0.1	0.670	8.38	5.490	<0.5	123.00	<0.25	0.299	2.440	<1	<0.5	<0.005	843	<4
Sheep Creek claims	627	WF-11436	W1160059	N414118	grab	pms2	0.038	8.04	0.001	31.40	<0.1	9.560	12.60	2.970	<0.5	103.00	<0.25	<0.1	0.474	<1	<0.5	<0.005	1346	<4
Sheep Creek claims	628	WF-11437	W1160013	N414115	grab	tvol	0.118	1.27	0.001	3.91	<0.1	6.810	7.85	0.697	<0.5	27.90	<0.25	<0.1	1.340	<1	<0.5	<0.005	1185	<4
Sheep Creek claims	629	WF-11438	W1160017	N414119	grab	pms2	0.048	12.00	0.006	32.10	0.203	0.796	8.23	4.550	<0.5	93.60	<0.25	<0.1	2.120	<1	<0.5	<0.005	1878	<4
Sheep Creek claims	630	WF-11439	W1160035	N414131	grab	pms2	0.190	1.98	0.001	10.90	0.685	0.713	4.89	4.600	<0.5	5.07	<0.25	<0.1	<0.5	<1	<0.5	<0.005	917	<4
Sheep Creek claims	631	WF-11111	W1160039	N414139	grab	pms2	4.600	4.39	0.005	61.30	0.203	11.600	104.00	15.400	<0.5	69.60	0.385	2.140	1.260	<1	<0.5	<0.005	2369	<4
Sheep Creek claims	632	WF-11112	W1160047	N414149	grab	pms2	0.521	<1	0.001	4.77	0.204	0.629	9.09	5.530	<0.5	25.20	<0.25	1.060	<0.5	<1	<0.5	<0.005	720	<4
Sheep Creek claims	633	WF-11113	W1160050	N414149	grab	pms2	2.490	3.81	0.002	15.80	0.212	5.610	73.70	16.800	<0.5	36.30	<0.25	2.890	<0.5	<1	<0.5	<0.005	471	<4
Sheep Creek claims	634	WF-11114	W1160053	N414151	grab	pms2	4.380	3.29	0.002	32.30	0.160	0.837	127.00	29.000	<0.5	87.20	<0.25	5.020	<0.5	<1	<0.5	<0.005	776	<4
Shoe String claims	867	WF-11635	W1160235	N413300	grab	pms2	0.167	1.53	0.002	2.36	<0.1	0.469	2.10	0.359	<0.5	26.30	<0.25	0.526	<0.5	<1	<0.5	<0.005	1128	<4
Shoe String claims	1751	WF-12612	W1160226	N413245	grab	pms2	0.323	9.21	0.005	34.40	<0.1	15.100	13.60	2.990	<0.5	38.90	<0.25	<0.1	0.559	1.47	<0.5	<0.005	27323	NA
Shoe String claims	1752	WF-12613	W1160216	N413302	grab	pms2	0.115	1.91	<0.001	3.90	<0.1	3.780	1.32	0.647	<0.5	19.00	<0.25	0.489	<0.5	<1	<0.5	<0.005	1438	NA
Shoe String claims	1753	WF-12614	W1160156	N413304	grab	pms2	0.027	7.87	0.001	7.76	<0.1	13.300	1.89	0.669	<0.5	7.34	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1402	NA
Sleeper claims (Big Springs)	863	WF-11631	W1160315	N413046	grab	msc2	0.107	32.50	0.005	6.29	2.190	1.960	2.95	17.100	<0.5	14.80	<0.25	0.138	0.487	<1	<0.5	<0.005	23888	<4
Sleeper claims (Big Springs)	1010	WF-11870	W1160140	N413112	grab	msc2	0.458	440.00	0.010	10.30	3.570	8.810	4.05	16.600	2.080	5.02	<0.25	0.101	0.503	4.06	<0.5	<0.005	329	<4
Sleeper claims (Big Springs)	1011	WF-11871	W1160142	N413114	grab	msc2	<0.015	1.64	0.003	18.00	<0.1	2.650	2.32	0.962	<0.5	114.00	<0.25	0.119	15.400	<1	<0.5	<0.005	1430	<4
Sleeper claims (Big Springs)	1754	WF-12615	W1160253	N413043	grab	msc2	0.482	626.00	0.007	22.80	2.230	3.930	8.30	28.400	2.360	117.00	<0.25	0.241	<0.5	2.40	<0.5	<0.005	188	NA
Sleeper claims (Big Springs)	1757	WF-12618	W1160229	N413032	grab	dov1	1.250	219.00	0.103	19.20	2.080	16.000	6.31	14.900	1.250	157.00	<0.25	1.570	0.676	7.82	<0.5	<0.005	236	NA
Sleeper claims (Big Springs)	1758	WF-12619	W1160235	N413049	grab	pms2	0.577	113.00	0.010	21.10	0.704	27.200	7.54	21.900	<0.5	141.00	<0.25	1.410	<0.5	5.21	<0.5	<0.005	509	NA
Sleeper claims (Big Springs)	1759	WF-12620	W1160237	N413059	grab	pms2	0.160	532.00	0.008	7.60	4.620	8.340	6.45	46.500	6.100	75.70	<0.25	0.331	<0.5	<1	<0.5	<0.005	222	NA
Sleeper claims (Big Springs)	1760	WF-12621	W1160214	N413119	grab	msc2	0.024	3.81	0.001	15.40	<0.1	1.170	1.74	0.513	<0.5	100.00	<0.25	0.138	15.900	<1	<0.5	<0.005	375	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Snow Canyon mine (Jerritt Cyn)	743	WF-11545	W1160135	N412718	select	dov1	0.040	2.55	0.001	4.88	<0.1	1.070	0.62	0.469	<0.5	6.08	<0.25	<0.1	<0.5	<1	<0.5	<0.005	595466	<4
Snow Canyon mine (Jerritt Cyn)	744	WF-11546	W1160135	N412718	grab	dov1	0.602	13.00	0.005	19.90	0.262	15.500	10.90	1.840	0.583	46.20	<0.25	0.140	0.561	3.77	<0.5	<0.005	14748	<4
Snow Canyon mine (Jerritt Cyn)	745	WF-11547	W1160134	N412718	grab	dov1	0.190	63.30	0.011	68.10	0.154	10.900	16.50	6.030	<0.5	133.00	<0.25	0.784	2.690	3.95	<0.5	<0.005	16776	<4
Snow Canyon mine (Jerritt Cyn)	748	WF-11550	W1160121	N412654	grab	dov1	1.410	20.80	0.007	71.60	1.190	19.200	15.90	11.000	<0.5	25.10	<0.25	0.126	2.820	5.92	<0.5	<0.005	544	<4
Snow Canyon mine (Jerritt Cyn)	749	WF-11551	W1160121	N412654	grab	dov1	0.689	176.00	0.003	11.70	0.611	40.800	21.20	22.600	2.000	5.79	<0.25	<0.1	1.560	29.50	<0.5	<0.005	761	<4
Snow Canyon mine (Jerritt Cyn)	750	WF-11552	W1160116	N412657	grab	dov1	0.039	46.50	0.001	8.57	0.621	1.250	22.30	3.240	<0.5	3.64	<0.25	<0.1	0.958	<1	<0.5	<0.005	719	<4
Snow Canyon mine (Jerritt Cyn)	1678	WF-12539	W1160115	N412702	grab	dov1	0.131	133.00	0.005	39.00	1.330	17.300	3.03	9.100	<0.5	6.23	<0.25	<0.1	1.180	2.52	<0.5	<0.005	689	NA
Snow Canyon mine (Jerritt Cyn)	1679	WF-12540	W1160115	N412702	grab	dov1	0.163	19.90	0.003	9.32	0.780	21.200	2.88	4.320	<0.5	22.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1503	NA
Snyder prospect	1644	WF-12527	W1160315	N413111	grab	msc2	0.035	2.03	0.001	14.40	<0.1	11.200	2.19	0.511	<0.5	14.00	<0.25	<0.1	0.683	<1	<0.5	<0.005	2703	NA
Sona claims (Jerritt Cyn)	951	WF-11820	W1160305	N412023	grab	dov1	0.032	2.55	0.001	2.79	<0.1	10.500	0.36	5.470	<0.5	3.92	<0.25	<0.1	<0.5	<1	<0.5	<0.005	59	<4
Sona claims (Jerritt Cyn)	966	WF-11835	W1160028	N411859	grab	dsr1	0.030	5.40	0.024	5.18	0.166	1.430	1.57	10.600	<0.5	9.01	<0.25	0.186	<0.5	<1	<0.5	<0.005	7170	<4
Sona claims (Jerritt Cyn)	967	WF-11836	W1160038	N411904	grab	soh1	0.186	32.60	0.044	8.18	1.970	1.720	4.37	40.800	<0.5	36.70	<0.25	0.678	<0.5	<1	<0.5	<0.005	1656	<4
Sona claims (Jerritt Cyn)	977	WF-11846	W1160139	N411904	grab	oeq1	0.027	8.79	0.001	5.02	<0.1	0.653	1.82	1.950	<0.5	12.90	<0.25	0.106	<0.5	<1	<0.5	<0.005	68	<4
Sona claims (Jerritt Cyn)	978	WF-11847	W1160214	N411848	grab	soh1	0.167	4.32	0.001	7.34	<0.1	0.792	2.76	3.160	<0.5	43.10	<0.25	0.586	<0.5	<1	<0.5	<0.005	290	<4
Sona claims (Jerritt Cyn)	979	WF-11848	W1160214	N411848	grab	soh1	0.218	36.80	0.044	8.95	0.221	2.710	30.30	4.880	<0.5	42.30	<0.25	0.675	<0.5	1.06	<0.5	<0.005	249	<4
Sona claims (Jerritt Cyn)	983	WF-11852	W1160224	N411840	grab	dsr1	0.019	8.84	<0.001	4.73	<0.1	0.142	3.02	3.340	<0.5	11.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	285	<4
Sona claims (Jerritt Cyn)	984	WF-11853	W1160211	N411843	grab	dsr1	0.379	24.40	0.025	11.70	0.444	4.150	5.49	7.120	<0.5	104.00	<0.25	2.150	<0.5	2.55	<0.5	<0.005	574	<4
Sona claims (Jerritt Cyn)	985	WF-11854	W1160219	N411845	grab	soh1	0.048	5.27	0.011	4.30	<0.1	0.275	2.26	1.000	<0.5	16.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	94	<4
Sona claims (Jerritt Cyn)	986	WF-11855	W1160205	N411844	grab	dsr1	0.699	33.50	<0.001	16.00	0.300	11.800	11.70	15.700	<0.5	293.00	<0.25	9.820	<0.5	1.80	<0.5	<0.005	221	<4
Sona claims (Jerritt Cyn)	987	WF-11856	W1160155	N411847	grab	soh1	0.053	13.10	0.005	2.59	<0.1	0.678	1.16	3.000	<0.5	19.30	<0.25	0.158	<0.5	<1	<0.5	<0.005	76	<4
Sona claims (Jerritt Cyn)	988	WF-11857	W1160158	N411851	grab	soh1	0.383	8.63	0.023	2.54	0.273	1.020	4.08	2.830	<0.5	21.90	<0.25	0.345	<0.5	<1	<0.5	<0.005	53	<4
Sona claims (Jerritt Cyn)	989	WF-11858	W1160152	N411854	grab	soh1	0.520	29.00	0.001	14.70	0.575	10.200	8.64	6.260	<0.5	95.00	<0.25	6.300	<0.5	1.26	<0.5	<0.005	272	<4
Sona claims (Jerritt Cyn)	991	WF-11860	W1155948	N411858	grab	dsr1	0.057	4.45	0.015	5.60	<0.1	1.150	2.84	36.900	<0.5	23.20	<0.25	0.254	<0.5	<1	<0.5	<0.005	11882	<4
Spoof claims	1503	WF-12350	W1155910	N412724	grab	dov1	0.126	3.11	<0.001	2.39	<0.1	6.950	3.25	0.384	<0.5	1.56	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Spoof claims	1504	WF-12351	W1155907	N412706	grab	dov1	0.673	6.56	0.001	18.70	0.100	10.200	4.01	0.822	<0.5	7.73	<0.25	0.261	<0.5	2.33	<0.5	<0.005	1440	NA
Spoof claims	1505	WF-12352	W1155917	N412647	grab	dov1	0.055	11.00	<0.001	3.41	0.362	7.290	2.10	1.200	<0.5	7.42	<0.25	<0.1	<0.5	<1	<0.5	<0.005	104	NA
Spoof claims	1506	WF-12353	W1155917	N412645	grab	dov1	0.063	44.90	0.003	6.93	0.664	10.500	2.60	7.490	0.769	19.40	<0.25	0.162	<0.5	<1	<0.5	<0.005	213	NA
Spoof claims	1507	WF-12354	W1155930	N412623	grab	dov1	0.067	2.49	<0.001	2.12	<0.1	7.370	2.37	<0.25	<0.5	1.65	<0.25	<0.1	<0.5	<1	<0.5	<0.005	43	NA
Spoof claims	1510	WF-12357	W1155723	N412715	grab	dov1	0.082	75.50	0.001	5.62	<0.1	14.800	2.68	0.650	<0.5	13.20	<0.25	0.421	<0.5	<1	<0.5	<0.005	<25	NA
Spoof claims	1511	WF-12358	W1155726	N412717	grab	dov1	0.447	291.00	0.001	21.50	0.321	19.100	2.83	8.600	2.200	15.70	<0.25	0.157	<0.5	<1	<0.5	<0.005	109	NA
Spoof claims	1512	WF-12359	W1155738	N412720	grab	dov1	0.050	46.90	<0.001	4.16	0.100	14.000	1.70	0.978	<0.5	3.08	<0.25	<0.1	<0.5	<1	<0.5	<0.005	29	NA
Spoof claims	1514	WF-12361	W1155807	N412709	grab	dov1	0.045	3.98	<0.001	3.29	<0.1	12.500	1.45	<0.25	<0.5	1.85	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	NA
Stump claims (Jerritt Cyn)	1031	WF-11891	W1155533	N412331	grab	dov1	0.065	23.60	0.006	7.87	0.255	2.840	2.79	21.000	<0.5	10.10	<0.25	0.101	<0.5	<1	<0.5	<0.005	451	<4
Stump claims (Jerritt Cyn)	1032	WF-11892	W1155719	N412224	grab	dov1	0.047	13.90	0.003	5.82	0.806	18.300	1.24	51.600	<0.5	5.99	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1104	<4
Stump claims (Jerritt Cyn)	1033	WF-11893	W1155721	N412250	grab	dsr1	0.166	183.00	0.005	12.70	0.693	2.380	8.45	28.100	0.915	62.00	<0.25	0.920	0.532	<1	<0.5	<0.005	915	<4
Stump claims (Jerritt Cyn)	1034	WF-11894	W1155658	N412322	grab	soh1	0.065	125.00	0.005	2.85	0.224	0.792	4.22	41.300	<0.5	27.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	158	<4
Stump claims (Jerritt Cyn)	1035	WF-11895	W1155644	N412329	grab	soh1	0.146	241.00	0.239	15.30	3.870	4.080	5.78	107.000	2.200	32.50	<0.25	0.918	0.800	1.23	<0.5	<0.005	1147	<4
Stump claims (Jerritt Cyn)	1036	WF-11896	W1155648	N412329	grab	soh1	0.089	101.00	0.010	9.63	2.050	9.830	5.15	195.000	0.943	47.80	<0.25	0.237	<0.5	<1	<0.5	<0.005	409	<4
Stump claims (Jerritt Cyn)	1037	WF-11897	W1155716	N412314	grab	dsr1	0.319	223.00	0.051	17.20	0.975	1.600	7.61	194.000	<0.5	91.20	<0.25	1.630	0.651	1.26	<0.5	<0.005	1610	<4
Stump claims (Jerritt Cyn)	1038	WF-11898	W1155749	N412252	grab	dsr1	0.136	68.80	0.004	9.92	0.516	1.280	7.42	27.400	<0.5	51.90	<0.25	0.676	<0.5	<1	<0.5	<0.005	264	<4
Stump claims (Jerritt Cyn)	1045	WF-11905	W1155530	N412155	grab	dsr1	0.019	55.10	0.002	7.20	1.800	2.300	7.88	8.530	<0.5	23.70	<0.25	0.197	0.583	<1	<0.5	<0.005	1286	<4
Stump claims (Jerritt Cyn)	1046	WF-11906	W1155559	N412215	grab	soh1	0.134	51.80	0.032	10.50	5.820	1.960	4.13	21.400	0.700	29.40	<0.25	0.390	0.541	<1	<0.5	<0.005	12122	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Stump claims (Jerritt Cyn)	1047	WF-11907	W1155558	N412213	grab	soh1	0.264	44.80	0.004	9.72	1.540	1.070	5.34	38.000	<0.5	35.40	<0.25	0.271	0.582	<1	<0.5	<0.005	571	<4
Stump claims (Jerritt Cyn)	1048	WF-11908	W1155557	N412152	grab	dsr1	0.425	11.10	<0.001	12.40	0.341	1.610	4.28	1.860	<0.5	82.30	<0.25	0.997	<0.5	0.99	<0.5	<0.005	515	<4
Stump claims (Jerritt Cyn)	1117	WF-11966	W1155654	N412232	grab	dsr1	0.083	88.70	0.194	5.89	2.910	1.570	2.78	111.000	1.530	8.09	<0.25	0.164	<0.5	<1	<0.5	<0.005	2912	<4
Stump claims (Jerritt Cyn)	1118	WF-11967	W1155655	N412230	grab	dsr1	0.085	13.10	0.096	4.31	0.746	6.440	1.81	412.000	<0.5	25.50	<0.25	0.542	<0.5	<1	<0.5	<0.005	143865	<4
Sue Fran nos. 1-4	466	WF-11011	W1155905	N415028	grab	kjd3	214.000	46.90	0.601	36.70	<0.1	14.300	1111.00	9.280	<0.5	379.00	<0.25	7.570	<0.5	<1	<0.5	<0.005	125	4
Sue Fran nos. 1-4	467	WF-11012	W1155848	N415026	grab	kjd3	18.200	101.00	0.046	7.08	<0.1	8.670	22.30	0.516	<0.5	21.40	<0.25	0.238	<0.5	<1	<0.5	<0.005	1104	8
Sue Fran nos. 1-4	468	WF-11013	W1155854	N415035	grab	kjd3	0.460	2.67	0.002	4.36	<0.1	6.710	5.35	<0.25	<0.5	37.30	<0.25	<0.1	3.630	<1	<0.5	<0.005	1127	<4
Sue Fran nos. 1-4	469	WF-11014	W1155849	N415031	grab	kjd3	20.700	5.61	0.149	3.90	<0.1	13.800	9.47	0.731	<0.5	4.84	<0.25	<0.1	<0.5	<1	<0.5	<0.005	24	<4
Sue Fran nos. 1-4	470	WF-11015	W1155832	N415029	grab	kjd3	0.141	5.66	<0.001	6.38	<0.1	5.870	4.26	<0.25	<0.5	39.00	<0.25	<0.1	3.930	<1	<0.5	<0.005	1236	<4
Sue claims (Big Springs)	864	WF-11632	W1160110	N413313	grab	pms2	0.282	8.18	0.001	27.60	<0.1	1.780	6.09	0.998	<0.5	52.30	<0.25	0.180	0.610	<1	<0.5	<0.005	21370	<4
Sue claims (Big Springs)	865	WF-11633	W1160122	N413305	grab	pms2	0.045	1.72	0.002	21.10	<0.1	0.670	6.65	1.290	<0.5	29.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	6718	<4
Sue claims (Big Springs)	866	WF-11634	W1160124	N413319	grab	pms2	0.032	1.39	0.001	8.59	<0.1	0.543	2.17	0.392	<0.5	12.50	<0.25	<0.1	0.821	<1	<0.5	<0.005	13852	<4
Sue claims (Big Springs)	1650	WF-12533	W1160304	N413210	grab	pms2	0.123	13.40	0.003	44.00	0.138	18.900	7.58	3.030	<0.5	8.54	<0.25	<0.1	23.300	2.24	<0.5	<0.005	40910	NA
Sue claims (Big Springs)	1727	WF-12588	W1160040	N413340	grab	pms2	0.016	1.10	0.001	58.60	<0.1	1.170	2.88	0.310	<0.5	87.40	<0.25	0.161	15.000	<1	<0.5	<0.005	960	NA
Sue claims (Big Springs)	1728	WF-12589	W1160023	N413353	grab	pms2	0.151	6.17	0.002	32.70	<0.1	6.440	8.03	5.530	<0.5	43.60	<0.25	0.189	1.870	<1	<0.5	<0.005	4798	NA
Sue claims (Big Springs)	1761	WF-12622	W1160114	N413232	grab	pms2	0.021	10.40	0.001	11.20	<0.1	8.740	2.80	2.530	<0.5	21.60	<0.25	<0.1	1.170	<1	<0.5	<0.005	13994	NA
Sue claims (Big Springs)	1762	WF-12623	W1160041	N413252	grab	pms2	0.046	1.95	0.005	20.10	<0.1	3.850	5.07	0.385	<0.5	50.90	<0.25	<0.1	2.400	<1	<0.5	<0.005	10630	NA
Sue claims (Big Springs)	1763	WF-12624	W1155954	N413328	grab	pms2	0.058	4.21	0.001	10.50	<0.1	7.550	4.83	0.720	<0.5	31.20	<0.25	<0.1	0.592	<1	<0.5	<0.005	944	NA
Sue claims (Big Springs)	1764	WF-12625	W1160003	N413405	grab	pms2	0.160	3.43	<0.001	6.87	<0.1	0.708	1.51	<0.25	<0.5	25.40	<0.25	0.878	<0.5	<1	<0.5	<0.005	835	NA
Sue claims (Big Springs)	1765	WF-12626	W1160106	N413406	grab	pms2	0.134	2.82	0.001	7.07	<0.1	10.600	3.81	1.020	<0.5	29.60	<0.25	0.123	1.510	<1	<0.5	<0.005	1074	NA
Sue claims (Big Springs)	1766	WF-12627	W1160055	N413349	grab	pms2	0.219	1.74	0.006	34.00	<0.1	8.680	2.42	6.500	<0.5	53.70	<0.25	0.153	2.160	<1	<0.5	<0.005	4510	NA
Sue claims (Big Springs)	1767	WF-12628	W1160109	N413345	grab	pms2	0.025	3.61	0.004	38.30	<0.1	16.600	1.19	1.350	<0.5	20.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	376	NA
Suzy nos. 1-96 (Jerritt Cyn)	1515	WF-12362	W1155750	N412657	grab	dov1	0.078	89.30	0.001	8.21	1.790	8.540	1.68	0.757	<0.5	14.90	<0.25	0.138	<0.5	<1	<0.5	<0.005	73	NA
Suzy nos. 1-96 (Jerritt Cyn)	1520	WF-12367	W1155710	N412707	grab	dov1	0.138	60.50	0.004	23.90	0.159	10.000	8.07	0.880	0.553	39.60	<0.25	0.194	<0.5	<1	<0.5	<0.005	463	NA
Suzy nos. 1-96 (Jerritt Cyn)	1662	WF-12492	W1155552	N412614	grab	dov1	0.024	56.20	<0.001	8.99	1.340	11.400	3.92	0.832	<0.5	19.20	<0.25	0.990	2.320	<1	<0.5	<0.005	350	NA
Suzy nos. 1-96 (Jerritt Cyn)	1663	WF-12493	W1155603	N412615	grab	dov1	0.038	875.00	0.002	11.40	1.320	11.600	2.12	4.780	<0.5	23.70	<0.25	0.495	<0.5	<1	<0.5	<0.005	730	NA
Suzy nos. 1-96 (Jerritt Cyn)	1664	WF-12494	W1155629	N412616	grab	dov1	0.020	7.90	0.001	80.80	<0.1	11.500	1.70	0.416	<0.5	31.20	<0.25	0.179	<0.5	<1	<0.5	<0.005	1293	NA
Suzy nos. 1-96 (Jerritt Cyn)	1665	WF-12495	W1155620	N412622	grab	dov1	0.066	36.70	0.001	8.98	0.393	9.410	2.03	0.784	<0.5	11.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	676	NA
Suzy nos. 1-96 (Jerritt Cyn)	1666	WF-12496	W1155538	N412630	grab	dov1	0.024	14.90	<0.001	3.93	0.144	12.200	1.98	0.768	<0.5	2.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	237	NA
Suzy nos. 1-96 (Jerritt Cyn)	1667	WF-12497	W1155559	N412633	grab	dov1	0.980	187.00	0.002	111.00	0.470	7.570	2.15	4.200	<0.5	571.00	<0.25	0.714	<0.5	<1	<0.5	<0.005	1018	NA
Suzy nos. 1-96 (Jerritt Cyn)	1668	WF-12498	W1155630	N412627	grab	dov1	0.018	58.90	0.001	7.48	<0.1	14.400	0.75	0.534	<0.5	30.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	42	NA
TRG claims	1450	WF-12314	W1160801	N414237	grab	pmi3	0.233	27.40	0.006	27.60	<0.1	1.360	5.49	2.220	<0.5	151.00	<0.25	2.190	<0.5	1.32	<0.5	<0.005	205	NA
TRG claims	1551	WF-12378	W1160803	N414241	grab	pmi3	0.622	133.00	0.006	37.80	<0.1	3.560	22.10	30.700	<0.5	145.00	0.317	0.266	1.120	<1	<0.5	<0.005	2813	NA
TRG claims	1552	WF-12379	W1160804	N414244	grab	pmi3	0.078	12.40	<0.001	19.50	<0.1	5.520	10.80	2.220	<0.5	40.50	<0.25	0.115	3.270	<1	<0.5	<0.005	512	NA
TRG claims	1553	WF-12380	W1160806	N414247	grab	pmi3	0.205	36.20	0.004	41.70	<0.1	1.400	17.30	2.800	0.517	46.00	0.595	0.132	3.200	<1	<0.5	<0.005	942	NA
TRG claims	1554	WF-12381	W1160815	N414253	grab	pmi3	0.041	121.00	0.001	6.66	<0.1	2.590	7.95	22.600	<0.5	24.50	<0.25	0.113	<0.5	<1	<0.5	<0.005	147	NA
TRG claims	1555	WF-12382	W1160817	N414255	grab	pmi3	0.063	78.10	0.001	22.00	<0.1	4.840	10.80	22.800	<0.5	31.60	<0.25	0.127	2.570	<1	<0.5	<0.005	269	NA
TRG claims	1556	WF-12383	W1160821	N414257	grab	pmi3	0.150	117.00	0.001	16.10	<0.1	4.290	8.92	3.600	<0.5	30.50	<0.25	0.126	2.450	<1	<0.5	<0.005	379	NA
TRG claims	1557	WF-12384	W1160833	N414306	grab	pmi3	0.077	38.70	0.001	7.84	<0.1	3.140	13.30	4.450	<0.5	12.10	<0.25	0.100	0.559	<1	<0.5	<0.005	37	NA
TRG claims	1558	WF-12385	W1160839	N414310	grab	pmi3	0.286	256.00	0.011	22.20	<0.1	4.130	19.50	23.800	<0.5	40.70	0.293	0.413	2.370	<1	<0.5	<0.005	175	NA
TRG claims	1559	WF-12386	W1160844	N414312	grab	pmi3	0.171	117.00	<0.001	19.40	<0.1	3.170	12.10	6.470	<0.5	38.10	0.361	0.184	2.280	<1	<0.5	<0.005	429	NA
TRG claims	1560	WF-12387	W1160857	N414314	grab	pmi3	0.074	24.80	<0.001	7.25	<0.1	5.450	7.66	1.460	<0.5	24.40	<0.25	0.095	1.740	<1	<0.5	<0.005	168	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
TRG claims	1561	WF-12388	W1160924	N414315	grab	pmi3	0.219	33.50	0.003	28.80	<0.1	5.810	5.22	3.430	<0.5	12.70	<0.25	0.198	<0.5	<1	<0.5	<0.005	2951	NA
TRI claims	232	WF-10802	W1160108	N414934	grab	tvol	0.037	1.09	<0.001	15.60	<0.1	2.130	3.80	<0.25	<0.5	64.70	<0.25	<0.1	4.030	<1	<0.5	<0.005	1620	<4
TRI claims	291	WF-10828	W1160042	N414936	grab	mcs3	0.514	75.60	0.006	7.63	<0.1	9.540	3.59	2.720	0.489	21.90	<0.25	0.159	<0.5	<1	<0.5	<0.005	4474	4
TRI claims	295	WF-10832	W1160028	N414948	grab	mcs3	6.150	783.00	0.120	64.50	<0.1	2.870	11.80	28.200	<0.5	132.00	<0.25	0.731	5.430	<1	<0.5	<0.005	1449	4
TRI claims	296	WF-10833	W1160028	N414948	grab	mcs3	574.000	3586.00	2.390	154.00	<0.1	1.430	1392.00	362.000	<0.5	229.00	1.800	13.100	<0.5	1.90	<0.5	<0.005	144	<4
TRI claims	297	WF-10834	W1160025	N414954	grab	mcs3	1.550	121.00	0.027	33.40	<0.1	8.700	9.64	4.920	<0.5	17.30	<0.25	0.113	0.629	<1	<0.5	<0.005	310	<4
TRI claims	298	WF-10835	W1160025	N414954	grab	kjd3	0.310	33.10	0.001	6.43	<0.1	0.665	11.40	3.620	<0.5	8.93	<0.25	<0.1	0.501	<1	<0.5	<0.005	177	<4
TRI claims	299	WF-10836	W1160055	N415000	grab	mcs3	0.463	21.40	0.001	17.70	<0.1	2.710	3.33	1.660	<0.5	7.27	<0.25	<0.1	0.672	0.93	<0.5	<0.005	202	<4
TRI claims	300	WF-10837	W1160055	N415002	grab	mcs3	0.149	12.00	0.006	35.40	<0.1	8.120	3.21	0.667	<0.5	32.80	<0.25	0.096	1.900	<1	<0.5	<0.005	3265	<4
TRI claims	351	WF-10888	W1160110	N415006	grab	mcs3	0.052	15.10	0.004	11.50	<0.1	12.700	0.71	0.399	<0.5	6.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	40	<4
TRI claims	352	WF-10889	W1160109	N415005	grab	mcs3	0.065	34.60	0.004	48.20	<0.1	4.070	4.25	0.789	<0.5	66.40	<0.25	0.111	4.050	<1	0.466	<0.005	2837	<4
TRI claims	353	WF-10890	W1160116	N414957	grab	mcs3	0.093	32.30	0.002	28.60	<0.1	1.390	0.92	11.200	<0.5	37.70	<0.25	0.171	<0.5	<1	<0.5	<0.005	197	8
TRI claims	354	WF-10891	W1160115	N414953	grab	mcs3	14.400	116.00	0.135	35.50	<0.1	3.200	55.80	34.100	<0.5	76.60	1.530	0.888	<0.5	<1	<0.5	<0.005	648	4
TRI claims	355	WF-10892	W1160117	N414952	grab	mcs3	0.753	15.10	0.007	17.70	<0.1	13.200	3.80	2.030	<0.5	6.01	<0.25	<0.1	<0.5	<1	<0.5	<0.005	102	<4
TRI claims	356	WF-10893	W1160117	N414952	grab	mcs3	1.310	81.10	0.164	62.00	<0.1	0.844	16.00	8.150	<0.5	49.70	<0.25	0.180	1.470	<1	<0.5	<0.005	5949	<4
TRI claims	357	WF-10894	W1160130	N414950	chip	mcs3	0.091	21.00	0.002	13.80	<0.1	13.200	0.87	1.870	<0.5	4.90	<0.25	<0.1	<0.5	<1	<0.5	<0.005	460	4
TRI claims	358	WF-10895	W1160130	N414950	grab	mcs3	0.202	199.00	0.009	61.70	<0.1	7.260	3.39	28.500	<0.5	10.50	<0.25	<0.1	1.970	<1	<0.5	<0.005	2711	<4
TRI claims	359	WF-10896	W1160131	N414957	grab	mcs3	0.312	9.91	0.002	27.40	<0.1	2.480	8.32	0.914	<0.5	44.30	0.263	0.111	4.030	<1	<0.5	<0.005	3771	<4
TRI claims	363	WF-10900	W1160047	N414942	grab	mcs3	0.377	7.75	0.002	6.34	<0.1	4.300	15.50	1.230	<0.5	28.40	<0.25	0.224	0.957	<1	<0.5	<0.005	1226	<4
TRI claims	364	WF-10901	W1160047	N414937	grab	mcs3	1.050	71.20	0.021	6.54	<0.1	12.300	6.03	2.090	<0.5	4.28	<0.25	<0.1	<0.5	1.15	<0.5	<0.005	420	<4
TRI claims	365	WF-10902	W1160046	N414936	grab	mcs3	0.222	16.00	0.001	7.43	<0.1	0.436	7.85	1.110	<0.5	25.30	<0.25	0.201	0.602	<1	<0.5	<0.005	2509	<4
TRI claims	366	WF-10903	W1160045	N414934	grab	mcs3	25.000	104.00	0.432	63.50	<0.1	9.960	250.00	26.500	<0.5	325.00	0.797	3.490	<0.5	<1	<0.5	<0.005	254	<4
TRI claims	367	WF-10904	W1160046	N414933	select	mcs3	837.000	432.00	1.050	1376.00	<0.1	41.100	20700.00	717.000	<0.5	308.00	18.200	21.300	<0.5	27.30	<0.5	<0.005	288	<4
TRI claims	368	WF-10905	W1160045	N414935	grab	mcs3	3.340	55.90	0.004	13.00	<0.1	1.000	87.10	4.510	<0.5	20.10	<0.25	0.637	2.070	<1	<0.5	<0.005	1513	<4
TRI claims	371	WF-10908	W1160030	N414945	grab	mcs3	9.590	536.00	0.060	51.10	<0.1	8.440	10.40	18.800	<0.5	57.60	<0.25	1.050	1.090	2.58	<0.5	<0.005	1759	4
TRI claims	376	WF-10913	W1155925	N414934	grab	mcs3	0.668	130.00	0.002	15.50	<0.1	11.600	3.36	1.350	<0.5	57.00	<0.25	0.428	0.826	1.92	<0.5	<0.005	198	<4
TRI claims	377	WF-10914	W1155925	N414934	grab	mcs3	0.286	30.00	0.001	27.20	<0.1	1.610	3.24	0.670	<0.5	41.60	<0.25	0.126	1.740	<1	<0.5	<0.005	1912	<4
TRI claims	378	WF-10915	W1155925	N414929	grab	mcs3	23.500	132.00	0.026	28.70	<0.1	0.771	43.10	22.100	<0.5	177.00	<0.25	4.330	1.820	<1	<0.5	<0.005	2774	4
TRI claims	379	WF-10916	W1155917	N414933	grab	mcs3	0.762	191.00	0.001	37.30	<0.1	1.900	3.03	1.620	<0.5	9.85	<0.25	<0.1	<0.5	<1	<0.5	<0.005	52	<4
TRI claims	380	WF-10917	W1155902	N414946	grab	kjd3	1.450	17.50	0.015	5.24	<0.1	0.369	4.49	0.508	<0.5	7.74	0.373	<0.1	0.677	<1	<0.5	<0.005	269	<4
TRI claims	381	WF-10918	W1155900	N414943	grab	mcs3	0.125	25.60	0.002	13.30	<0.1	0.526	2.50	2.260	<0.5	12.30	<0.25	<0.1	0.706	<1	<0.5	<0.005	4510	<4
TRI claims	382	WF-10919	W1155847	N414915	grab	mcs3	0.107	2.80	0.002	5.70	<0.1	0.737	0.94	0.396	<0.5	3.75	<0.25	<0.1	<0.5	<1	<0.5	<0.005	120	<4
TRI claims	383	WF-10920	W1155902	N414915	grab	mbn3	0.047	3.45	0.001	2.35	<0.1	0.610	1.06	0.545	<0.5	10.90	<0.25	0.141	<0.5	<1	<0.5	<0.005	123	<4
TRI claims	394	WF-10931	W1155855	N414924	grab	mcs3	4.350	32.90	0.010	37.90	<0.1	1.250	9.20	2.260	<0.5	36.20	<0.25	0.384	2.760	<1	<0.5	<0.005	2092	<4
TRI claims	395	WF-10932	W1155947	N414938	grab	mcs3	52.700	63.20	0.143	22.80	<0.1	11.100	135.00	15.300	<0.5	41.30	0.674	0.435	<0.5	<1	<0.5	<0.005	922	8
TRI claims	396	WF-10933	W1155937	N414942	grab	kjd3	0.564	14.80	0.010	4.34	<0.1	0.514	7.69	3.030	<0.5	6.82	<0.25	<0.1	0.477	<1	<0.5	<0.005	386	<4
TRI claims	397	WF-10934	W1160019	N414956	grab	ppr3	0.976	21.50	0.001	40.50	<0.1	4.000	3.73	1.460	<0.5	8.48	<0.25	<0.1	1.300	3.00	<0.5	<0.005	1823	<4
TRI claims	398	WF-10935	W1160012	N414946	grab	kjd3	4.010	446.00	0.026	35.90	<0.1	0.737	7.79	4.800	<0.5	27.00	<0.25	0.147	0.841	<1	<0.5	<0.005	644	<4
TRI claims	399	WF-10936	W1160011	N414944	grab	mcs3	16.700	53.80	0.033	15.90	<0.1	0.913	70.70	9.760	<0.5	88.50	0.283	1.390	<0.5	<1	<0.5	<0.005	26	<4
TRI claims	452	WF-10990	W1160054	N414935	grab	tvol	0.860	48.80	0.006	7.92	<0.1	11.300	2.63	1.330	<0.5	8.89	<0.25	0.093	<0.5	<1	<0.5	<0.005	144	<4
TRI claims	453	WF-10991	W1155946	N415003	grab	kjd3	0.054	2.32	0.001	4.98	<0.1	0.701	1.91	0.300	<0.5	3.82	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1383	<4
TRI claims	454	WF-10999	W1155946	N415003	grab	ppr3	0.270	5.52	<0.001	11.80	<0.1	0.885	14.10	2.680	<0.5	33.10	<0.25	<0.1	3.010	<1	<0.5	<0.005	191	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
TRI claims	473	WF-11018	W1155832	N414958	grab	kjd3	2322.000	121.00	6.820	570.00	<0.1	1.360	3317.00	187.000	<0.5	527.00	2.200	21.600	<0.5	3.05	<0.5	<0.005	178	<4
TRI claims	474	WF-11019	W1155820	N414948	grab	kjd3	<0.015	5.11	<0.001	4.08	<0.1	15.400	0.67	0.264	<0.5	10.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	85	<4
TRI claims	478	WF-11023	W1155917	N414951	grab	kjd3	2.920	366.00	0.588	7.89	<0.1	8.930	11.20	5.910	<0.5	76.20	<0.25	1.030	0.922	<1	<0.5	<0.005	1435	8
TRI claims	479	WF-11024	W1155922	N414943	grab	mcs3	4.490	9.97	0.015	17.60	<0.1	1.190	9.02	0.832	<0.5	52.60	0.438	0.296	1.010	<1	<0.5	<0.005	51	<4
TS claims (Jerritt Cyn)	1014	WF-11874	W1155907	N412320	grab	dsr1	<0.015	<1	<0.001	7.83	<0.1	11.400	5.12	15900.000	<0.5	16.40	<0.25	<0.1	10.700	10.50	<0.5	<0.005	49655	<4
TS claims (Jerritt Cyn)	1015	WF-11875	W1155907	N412320	grab	dsr1	0.234	101.00	<0.001	12.70	1.300	5.540	9.92	103.000	<0.5	134.00	<0.25	2.050	<0.5	1.60	<0.5	<0.005	889	<4
TS claims (Jerritt Cyn)	1016	WF-11876	W1155922	N412331	grab	dsr1	0.384	29.90	0.005	15.90	0.137	3.760	7.09	34.100	<0.5	93.70	<0.25	2.120	<0.5	1.87	<0.5	<0.005	807	<4
TS claims (Jerritt Cyn)	1017	WF-11877	W1155847	N412346	grab	dov1	0.052	1.60	0.004	18.20	<0.1	17.700	1.62	4.560	0.810	10.40	<0.25	<0.1	1.900	<1	<0.5	<0.005	612	<4
TS claims (Jerritt Cyn)	1018	WF-11878	W1155845	N412329	grab	soh1	0.054	14.10	0.022	6.13	0.105	1.340	2.01	60.800	<0.5	13.90	<0.25	0.113	<0.5	<1	<0.5	<0.005	1048	<4
TS claims (Jerritt Cyn)	1019	WF-11879	W1155845	N412329	grab	soh1	0.024	26.30	0.005	12.70	0.980	2.730	4.80	33.300	<0.5	34.90	<0.25	0.166	<0.5	<1	<0.5	<0.005	1359	<4
TS claims (Jerritt Cyn)	1020	WF-11880	W1155913	N412325	grab	dsr1	0.077	23.80	0.013	3.57	0.435	1.150	3.63	2.740	<0.5	23.30	<0.25	0.673	<0.5	<1	<0.5	<0.005	229	<4
TS claims (Jerritt Cyn)	1021	WF-11881	W1155850	N412237	grab	dov1	0.202	18.20	0.048	4.91	1.060	13.500	4.55	2143.000	1.770	9.39	<0.25	0.113	<0.5	<1	<0.5	<0.005	107083	<4
TS claims (Jerritt Cyn)	1022	WF-11882	W1155840	N412236	grab	dsr1	0.033	11.70	0.006	2.42	<0.1	0.905	2.53	6.730	<0.5	7.76	<0.25	<0.1	<0.5	<1	<0.5	<0.005	743	<4
TS claims (Jerritt Cyn)	1023	WF-11883	W1155920	N412230	grab	dov1	0.017	3.71	0.004	74.60	<0.1	0.539	0.54	1.230	<0.5	44.40	<0.25	0.137	2.440	<1	<0.5	<0.005	3387	<4
TS claims (Jerritt Cyn)	1024	WF-11884	W1155917	N412215	grab	soh1	0.023	9.68	0.005	2.90	0.263	0.817	1.64	8.590	<0.5	5.95	<0.25	<0.1	<0.5	<1	<0.5	<0.005	396	<4
TS claims (Jerritt Cyn)	1697	WF-12558	W1155850	N412237	select	dsr1	0.258	58.50	0.143	9.89	1.070	23.600	6.03	45000.000	<0.5	16.10	<0.25	1.150	<0.5	<1	<0.5	<0.005	67001	NA
Timber claims	667	WF-11458	W1160320	N414238	grab	pmi3	0.129	18.20	0.001	18.20	0.208	0.759	11.00	5.240	<0.5	27.80	<0.25	0.185	<0.5	<1	<0.5	<0.005	228	<4
Timber claims	668	WF-11459	W1160322	N414311	grab	pvd3	0.365	40.40	<0.001	16.30	<0.1	2.600	17.00	<0.25	<0.5	43.20	<0.25	<0.1	<0.5	<1	<0.5	<0.005	533	<4
Timber claims	669	WF-11126	W1160224	N414327	grab	pvd3	28.700	2169.00	0.118	54.70	<0.1	7.230	2559.00	67.400	<0.5	382.00	<0.25	1.710	<0.5	<1	<0.5	<0.005	2629	<4
Timber claims	670	WF-11127	W1160226	N414329	grab	pvd3	0.347	8.40	0.002	13.10	<0.1	1.150	12.00	3.530	0.580	29.80	<0.25	0.382	<0.5	<1	<0.5	<0.005	411	<4
Timber claims	671	WF-11128	W1160117	N414243	grab	pvd3	<0.015	<1	0.008	7.20	<0.1	1.960	<0.25	<0.25	<0.5	16.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	266	<4
Timber claims	672	WF-11129	W1160110	N414237	grab	pvd3	0.147	45.00	0.009	35.50	<0.1	7.190	<0.25	<0.25	<0.5	44.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3218	<4
Torbin Hill nos. 1-10	713	WF-11483	W1160704	N414210	select	oaf3	9.850	40.40	1.080	33.90	<0.1	2.970	1574.00	14.100	<0.5	294.00	<0.25	2.530	<0.5	<1	<0.5	<0.005	<25	<4
Torbin Hill nos. 1-10	714	WF-11484	W1160701	N414210	select	oaf3	33.400	73.10	6.220	51.40	0.405	10.400	1446.00	24.300	<0.5	1618.00	<0.25	23.100	<0.5	1.25	0.969	<0.005	<25	<4
Torbin Hill nos. 1-10	715	WF-11485	W1160701	N414210	grab	oaf3	1.960	36.80	0.026	24.40	<0.1	0.680	51.90	18.800	<0.5	72.30	<0.25	0.339	1.620	<1	<0.5	<0.005	627	<4
Torbin Hill nos. 1-10	716	WF-11486	W1160642	N414157	grab	oaf3	23.800	590.00	0.029	48.50	<0.1	36.900	1629.00	70.000	<0.5	2087.00	<0.25	4.600	<0.5	<1	1.080	<0.005	<25	<4
Torbin Hill nos. 1-10	717	WF-11487	W1160644	N414200	grab	oaf3	15.400	241.00	0.061	35.40	0.836	17.000	139.00	69.300	<0.5	3737.00	<0.25	4.120	<0.5	1.01	<0.5	<0.005	<25	<4
Torbin Hill nos. 1-10	718	WF-11488	W1160700	N414203	select	oaf3	13.400	<1	<0.001	4.92	<0.1	2.260	2776.00	8.930	<0.5	944.00	<0.25	35.900	<0.5	<1	<0.5	<0.005	<25	<4
Torbin Hill nos. 1-10	719	WF-11489	W1160700	N414203	grab	oaf3	0.328	6.71	0.002	4.00	<0.1	0.537	34.90	2.930	<0.5	21.30	<0.25	0.533	0.971	<1	<0.5	<0.005	72	<4
Torbin Hill nos. 1-10	720	WF-11490	W1160706	N414204	grab	oaf3	0.303	2.55	0.002	3.37	<0.1	0.255	10.30	0.777	<0.5	12.10	<0.25	0.101	1.010	<1	<0.5	<0.005	51	<4
Torbin Hill nos. 1-10	721	WF-11491	W1160705	N414203	grab	oaf3	0.513	21.90	0.001	4.03	<0.1	1.370	30.80	3.780	<0.5	43.80	<0.25	0.140	<0.5	<1	<0.5	<0.005	54	<4
Torbin Hill nos. 1-10	722	WF-11492	W1160653	N414203	grab	kjd3	0.212	3.14	0.001	29.60	<0.1	1.540	19.10	0.416	<0.5	23.00	<0.25	0.164	4.720	<1	<0.5	<0.005	1208	<4
Trail Creek nos. 1-29	1591	WF-12452	W1160141	N414130	grab	pms2	0.259	7.98	0.002	20.90	<0.1	9.960	8.27	4.340	<0.5	42.30	<0.25	0.284	<0.5	<1	<0.5	<0.005	1124	NA
Trail Creek nos. 1-29	1592	WF-12453	W1160140	N414130	grab	pms2	0.362	14.60	0.005	59.50	<0.1	4.060	12.00	1.240	<0.5	107.00	<0.25	0.221	1.870	1.74	<0.5	<0.005	1864	NA
Trail Creek nos. 1-29	1593	WF-12454	W1160119	N414139	grab	pms2	0.063	3.69	0.002	73.80	0.257	6.710	7.94	4.420	<0.5	130.00	<0.25	0.137	0.652	1.52	<0.5	<0.005	1726	NA
Trail Creek nos. 1-29	1594	WF-12455	W1160141	N414154	grab	pms2	0.062	1.90	<0.001	33.80	<0.1	4.200	9.12	1.020	<0.5	59.00	<0.25	<0.1	0.684	<1	<0.5	<0.005	3178	NA
Unknown (2,42,51)	330	WF-10867	W1161214	N413332	grab	tvo1	0.194	3.16	0.003	107.00	<0.1	0.775	4.53	8.700	<0.5	158.00	0.736	0.897	2.270	<1	<0.5	<0.005	2216	<4
Unknown (2,42,51)	331	WF-10868	W1161214	N413330	grab	tvo1	0.249	1.51	0.001	13.00	<0.1	1.160	23.00	2.010	<0.5	57.70	<0.25	0.161	1.770	<1	<0.5	<0.005	2325	<4
Unknown (12,39,52)	1206	WF-12064	W1160459	N411706	grab	dov1	2.350	29.50	0.011	84.60	0.979	27.500	6.20	18.300	0.778	16.70	0.456	0.647	1.670	14.80	<0.5	<0.005	973	NA
Unknown (12,39,52)	1207	WF-12065	W1160459	N411706	select	dov1	0.272	<1	<0.001	6.05	<0.1	3.970	<0.25	<0.25	<0.5	24.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	462854	NA
Unknown (12,39,52)	1208	WF-12066	W1160449	N411702	grab	dov1	1.320	12.60	0.005	59.60	0.632	34.900	7.74	9.890	<0.5	14.50	0.531	0.238	1.060	11.60	<0.5	<0.005	74296	NA
Unknown (12,39,52)	1209	WF-12067	W1160449	N411702	select	dov1	0.385	<1	<0.001	17.10	<0.1	2.360	<0.25	<0.25	<0.5	42.40	<0.25	<0.1	<0.5	<1	<0.5	<0.005	521704	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Unknown (12,39,52)	1210	WF-12068	W1160449	N411702	grab	dov1	0.069	17.50	0.001	62.50	<0.1	16.700	3.20	12.300	<0.5	51.20	0.327	0.441	<0.5	3.91	<0.5	<0.005	3655	NA
Unknown (12,39,52)	1211	WF-12069	W1160447	N411723	grab	dov1	0.409	<1	0.002	7.95	<0.1	4.340	2.77	<0.25	<0.5	32.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	539497	NA
Unknown (12,39,52)	1212	WF-12070	W1160447	N411723	select	dov1	0.256	<1	<0.001	5.06	<0.1	1.540	<0.25	<0.25	<0.5	27.70	<0.25	<0.1	<0.5	<1	<0.5	<0.005	507694	NA
Unknown (12,39,52)	1213	WF-12071	W1160447	N411723	grab	dov1	0.265	5.18	0.001	23.60	0.294	16.500	2.89	4.590	<0.5	56.10	0.315	0.611	<0.5	1.29	<0.5	<0.005	5763	NA
Unknown (12,39,52)	1214	WF-12072	W1160447	N411723	grab	dov1	0.658	20.80	0.007	68.30	1.080	25.100	8.64	11.200	<0.5	114.00	<0.25	2.900	<0.5	10.80	<0.5	<0.005	4163	NA
Unknown (12,39,52)	1215	WF-12073	W1160447	N411723	grab	dov1	0.798	4.36	0.005	18.10	0.573	11.100	11.70	3.210	<0.5	22.90	0.316	0.390	<0.5	2.85	<0.5	<0.005	432709	NA
Unknown (12,39,52)	1216	WF-12074	W1160424	N411730	grab	dov1	0.250	<1	<0.001	2.04	0.216	1.100	0.77	1.600	<0.5	6.01	<0.25	0.097	<0.5	<1	<0.5	<0.005	3888	NA
Unknown (12,39,52)	1217	WF-12075	W1160424	N411730	select	dov1	1.200	14.30	<0.001	34.60	1.350	20.700	9.50	8.780	<0.5	57.30	<0.25	1.360	<0.5	<1	<0.5	<0.005	1311	NA
Unknown (12,39,52)	1218	WF-12076	W1160424	N411730	grab	dov1	1.250	8.80	0.003	60.00	0.604	21.700	3.04	4.560	<0.5	169.00	0.356	2.380	<0.5	2.92	<0.5	<0.005	491310	NA
Unknown (12,39,52)	1219	WF-12077	W1160419	N411725	select	dov1	0.298	<1	<0.001	9.81	<0.1	1.450	<0.25	<0.25	<0.5	47.40	<0.25	<0.1	<0.5	<1	<0.5	<0.005	500292	NA
Unknown (4,42,52)	899	WF-11667	W1160813	N413408	grab	tvo1	0.023	1.99	<0.001	6.65	<0.1	0.715	15.90	0.396	<0.5	36.20	<0.25	<0.1	4.470	<1	<0.5	<0.005	1737	<4
Unknown (4,42,52)	900	WF-11668	W1160813	N413408	grab	tvo1	0.034	0.96	<0.001	6.28	<0.1	0.526	19.40	0.387	<0.5	46.90	<0.25	<0.1	5.890	<1	<0.5	<0.005	1237	<4
Unknown (13,42,52)	870	WF-11638	W1160411	N413227	grab	pms2	0.267	0.96	0.002	10.80	<0.1	0.785	2.55	0.395	<0.5	43.60	<0.25	0.881	<0.5	<1	<0.5	<0.005	1170	<4
Unknown (13,42,52)	871	WF-11639	W1160418	N413217	grab	pms2	0.091	1.68	0.011	127.00	<0.1	5.160	13.60	1.000	<0.5	50.80	0.274	<0.1	2.360	<1	0.569	<0.005	9773	<4
Unknown (13,42,52)	872	WF-11640	W1160426	N413207	grab	tvo1	0.072	0.96	<0.001	2.76	<0.1	0.399	7.72	0.525	0.779	36.50	0.340	0.111	3.530	<1	<0.5	<0.005	1823	<4
Unknown (13,42,52)	873	WF-11641	W1160509	N413157	grab	tvo1	0.090	<1	<0.001	6.13	0.990	1.670	4.82	0.347	<0.5	120.00	<0.25	0.142	3.940	<1	<0.5	<0.005	2431	<4
Unknown (24,42,52)	874	WF-11642	W1160504	N413116	grab	pms2	0.111	3.94	0.001	17.50	0.301	1.810	5.80	1.180	<0.5	15.70	<0.25	<0.1	0.814	<1	<0.5	<0.005	5854	<4
Unknown (24,42,52)	875	WF-11643	W1160504	N413116	grab	msc2	0.286	24.60	0.001	80.30	0.482	11.300	12.80	3.970	1.160	143.00	0.345	0.282	0.921	1.39	0.661	<0.005	2390	<4
Unknown (26,42,52)	876	WF-11644	W1160536	N413023	grab	msc2	0.253	353.00	0.026	8.77	0.267	0.747	5.20	12.900	0.734	11.30	0.313	<0.1	0.672	<1	<0.5	<0.005	766	<4
Unknown (19,43,52)	1004	WF-11693	W1161036	N413657	grab	pms3	0.043	14.00	<0.001	6.00	<0.1	5.250	9.18	1.480	<0.5	11.40	<0.25	0.125	1.680	<1	<0.5	<0.005	1234	<4
Unknown (30,43,52)	1005	WF-11694	W1160955	N413535	grab	tvo1	0.346	2.15	<0.001	15.00	<0.1	3.030	60.30	2.930	<0.5	91.40	<0.25	1.000	2.600	<1	<0.5	<0.005	1817	<4
Unknown (30,43,52)	1006	WF-11695	W1161009	N413553	grab	tvo1	0.165	0.99	0.001	13.70	<0.1	2.410	4.45	0.514	<0.5	52.90	<0.25	0.110	2.280	<1	<0.5	<0.005	1878	<4
Unknown (30,43,52)	1007	WF-11696	W1161009	N413553	grab	tvo1	0.229	<1	<0.001	17.70	<0.1	2.590	43.60	1.130	<0.5	73.50	<0.25	0.614	2.730	<1	<0.5	<0.005	1919	<4
Unknown (30,43,52)	1008	WF-11697	W1161009	N413553	grab	tvo1	0.656	2.03	0.001	7.61	<0.1	5.080	19.60	2.790	<0.5	25.10	<0.25	0.148	0.852	<1	<0.5	<0.005	426	<4
Unknown (30,43,52)	1009	WF-11698	W1161009	N413553	grab	tvo1	0.232	1.91	0.001	39.60	<0.1	1.470	17.90	2.300	<0.5	58.90	<0.25	0.403	3.750	<1	<0.5	<0.005	1147	<4
Unknown (6,44,52)	89	WF-9587	W1161012	N413940	grab	cpm3	0.336	26.80	0.144	8.26	0.105	1.170	54.10	6.950	<0.5	49.30	<0.25	0.100	<0.5	<1	<0.5	<0.005	26	<4
Unknown (6,44,52)	90	WF-9588	W1161013	N413942	grab	cpm3	0.221	12.80	0.073	4.63	<0.1	0.775	14.20	1.900	<0.5	12.00	<0.25	<0.1	<0.5	<1	<0.5	<0.005	144	<4
Unknown (14,44,52)	757	WF-11512	W1160518	N414219	grab	ccm3	3.920	471.00	0.003	26.00	<0.1	7.350	67.10	32.100	<0.5	28.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	56	<4
Unknown (14,44,52)	758	WF-11513	W1160518	N414219	grab	ccm3	1.020	25.20	0.001	8.15	<0.1	0.449	8.94	3.140	<0.5	12.30	0.525	0.102	<0.5	<1	<0.5	<0.005	89	<4
Unknown (14,44,52)	759	WF-11514	W1160522	N414230	grab	ccm3	0.834	61.30	0.004	32.90	<0.1	6.010	9.21	6.470	<0.5	95.70	0.554	0.766	<0.5	<1	<0.5	<0.005	357	<4
Unknown (14,44,52)	760	WF-11515	W1160534	N414246	grab	ccm3	0.619	76.40	0.006	32.80	<0.1	1.230	13.80	6.420	<0.5	56.80	0.273	0.103	0.619	<1	<0.5	<0.005	1232	<4
Unknown (16,44,52)	1440	WF-12304	W1160829	N414221	grab	oaf3	12.000	80.30	0.040	9.07	0.180	6.640	390.00	14.900	<0.5	144.00	<0.25	2.120	<0.5	<1	2.110	<0.005	<25	NA
Unknown (16,44,52)	1441	WF-12305	W1160844	N414233	grab	oaf3	0.117	57.90	0.007	20.50	<0.1	2.240	18.80	2.020	<0.5	40.00	<0.25	0.100	5.550	<1	<0.5	<0.005	490	NA
Unknown (16,44,52)	1442	WF-12306	W1160859	N414239	grab	oaf3	0.522	126.00	0.043	17.10	<0.1	5.700	13.90	30.900	<0.5	25.70	<0.25	0.620	0.863	<1	<0.5	<0.005	136	NA
Unknown (29,44,52)	27	WF-9525	W1160936	N414101	grab	ccm3	1.120	508.00	0.084	0.72	0.994	25.300	103.00	61.300	21.000	756.00	<0.25	1.360	<0.5	<1	<0.5	<0.005	37	8
Unknown (29,44,52)	28	WF-9526	W1160933	N414102	grab	ccm3	2.860	427.00	0.070	140.00	2.400	8.690	14.70	145.000	19.200	73.90	27.200	<0.1	<0.5	<1	<0.5	<0.005	65	8
Unknown (31,44,52)	91	WF-9589	W1160959	N414003	grab	cpm3	0.143	24.90	0.002	17.90	<0.1	0.826	42.40	2.590	<0.5	16.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	648	<4
Unknown (31,44,52)	93	WF-9591	W1161003	N414004	grab	cpm3	0.128	7.40	0.007	6.25	<0.1	0.627	20.40	1.540	<0.5	29.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	123	<4
Unknown (31,44,52)	94	WF-9592	W1161004	N414004	grab	cpm3	0.096	17.60	0.015	6.64	<0.1	0.666	16.10	1.250	<0.5	19.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	431	<4
Unknown (30,39,53)	1351	WF-12123	W1160305	N411437	grab	dov1	0.332	11.90	0.002	26.80	<0.1	15.000	3.42	0.869	<0.5	42.20	<0.25	0.333	<0.5	1.82	<0.5	<0.005	21320	NA
Unknown (30,39,53)	1352	WF-12124	W1160300	N411435	grab	dov1	0.191	4.13	0.003	21.60	<0.1	13.700	3.56	0.460	<0.5	22.90	<0.25	0.170	0.557	1.57	<0.5	<0.005	9189	NA
Unknown (30,39,53)	1353	WF-12125	W1160300	N411439	grab	dov1	0.251	3.47	0.003	25.00	<0.1	12.800	3.38	1.040	<0.5	46.70	<0.25	0.168	0.563	1.64	<0.5	<0.005	16600	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Unknown (30,39,53)	1354	WF-12126	W1160302	N411434	grab	dov1	0.166	2.59	0.003	16.30	<0.1	13.000	3.19	0.481	<0.5	25.30	<0.25	0.197	<0.5	<1	<0.5	<0.005	18397	NA
Unknown (7,42,53)	868	WF-11636	W1160252	N413238	grab	pms2	0.059	<1	0.002	74.90	<0.1	0.488	7.52	0.399	<0.5	62.00	0.287	<0.1	4.210	<1	<0.5	<0.005	3689	<4
Unknown (7,42,53)	869	WF-11637	W1160325	N413235	grab	pms2	0.090	2.66	0.002	107.00	<0.1	0.694	4.43	0.651	<0.5	72.80	<0.25	<0.1	2.580	<1	<0.5	<0.005	14214	<4
Unknown (5,45,53)	360	WF-10897	W1160230	N415002	grab	tvol	0.026	0.92	0.001	10.10	<0.1	0.370	1.78	<0.25	<0.5	35.30	<0.25	<0.1	3.570	<1	<0.5	<0.005	1337	<4
Unknown (5,45,53)	361	WF-10898	W1160220	N415013	grab	tvol	0.025	1.60	0.001	18.10	<0.1	2.570	1.92	0.302	<0.5	50.60	<0.25	<0.1	2.750	<1	<0.5	<0.005	1468	<4
Unknown (5,45,53)	362	WF-10899	W1160139	N415008	grab	mcs3	0.115	17.80	0.001	43.20	<0.1	1.070	4.32	1.170	<0.5	31.50	<0.25	0.097	0.606	<1	<0.5	<0.005	851	<4
Unknown (10,43,54)	735	WF-11505	W1155212	N413826	grab	tvol	0.103	<1	0.001	4.46	<0.1	5.990	9.25	0.492	<0.5	44.50	<0.25	<0.1	1.380	<1	<0.5	<0.005	1036	<4
Usona (surveyed)	92	WF-9590	W1160929	N414002	chip	cpm3	0.080	1.39	0.006	3.89	<0.1	0.566	11.20	0.599	<0.5	1.27	<0.25	<0.1	<0.5	<1	<0.5	<0.005	<25	<4
V D Nos. 1-29	1770	4/	W1160237	N414507	petro	pvd3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
V D Nos. 1-29	1771	4/	W1160237	N414507	petro	pvd3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VD claims	248	WF-10819	W1160236	N414506	grab	pvd3	0.858	381.00	0.027	93.00	<0.1	0.994	52.90	11.800	<0.5	156.00	<0.25	1.440	<0.5	<1	<0.5	<0.005	809	4
VD claims	249	WF-10820	W1160236	N414506	grab	pvd3	4.270	540.00	0.020	94.40	0.148	0.898	469.00	10.200	<0.5	429.00	6.160	5.640	<0.5	2.27	<0.5	<0.005	887	4
VD claims	250	WF-10821	W1160236	N414506	chip	pvd3	214.000	102.00	0.047	64.50	<0.1	2.930	10800.00	5.890	<0.5	3678.00	407.000	206.000	<0.5	47.70	9.150	<0.005	43	<4
VD claims	301	WF-10838	W1160236	N414506	grab	pvd3	1.450	187.00	0.032	74.60	<0.1	2.020	37.40	6.370	<0.5	160.00	<0.25	1.210	<0.5	<1	<0.5	<0.005	682	4
VD claims	302	WF-10839	W1160236	N414506	grab	pvd3	0.368	137.00	0.003	51.60	0.220	4.610	23.80	4.120	<0.5	122.00	0.317	1.950	<0.5	1.00	<0.5	<0.005	546	<4
VD claims	303	WF-10840	W1160239	N414506	grab	pvd3	0.641	434.00	0.005	58.40	0.094	1.330	165.00	10.000	<0.5	551.00	0.562	5.040	0.768	<1	<0.5	<0.005	687	<4
VD claims	304	WF-10841	W1160239	N414506	select	pvd3	21.200	2091.00	0.050	50.00	<0.1	6.500	1643.00	8.270	<0.5	1592.00	33.600	41.900	<0.5	<1	<0.5	<0.005	392	<4
VD claims	1224	WF-12144	W1160230	N414406	grab	pvd3	0.397	10.20	0.001	16.60	0.327	1.340	29.80	3.140	<0.5	140.00	<0.25	14.800	<0.5	<1	<0.5	<0.005	83	NA
VD claims	1225	WF-12145	W1160127	N414341	grab	pvd3	0.864	1400.00	0.008	211.00	1.930	26.300	159.00	250.000	3.030	537.00	<0.25	3.300	<0.5	<1	<0.5	<0.005	328	NA
VD claims	1597	WF-12458	W1160107	N414330	grab	pvd3	1.080	253.00	0.011	150.00	0.389	24.300	31.90	37.600	<0.5	426.00	<0.25	1.740	<0.5	1.29	<0.5	<0.005	420	NA
VD claims	1598	WF-12459	W1160115	N414335	grab	pvd3	0.329	14.90	0.002	7.99	<0.1	1.680	4.00	2.780	<0.5	28.10	<0.25	1.020	<0.5	<1	<0.5	<0.005	575	NA
VD claims	1599	WF-12460	W1160119	N414336	grab	pvd3	0.063	50.00	<0.001	42.50	<0.1	6.240	3.91	6.530	<0.5	282.00	<0.25	0.196	<0.5	<1	<0.5	<0.005	1977	NA
VD claims	1600	WF-12461	W1160131	N414341	grab	pvd3	0.096	10.50	0.004	32.20	<0.1	0.706	2.92	4.220	<0.5	52.40	<0.25	0.458	<0.5	<1	<0.5	<0.005	528	NA
VD claims	1651	WF-12481	W1160147	N414359	grab	pvd3	0.223	20.20	0.003	9.68	0.125	0.734	16.70	7.050	<0.5	28.60	<0.25	0.344	<0.5	<1	<0.5	<0.005	262	NA
VD claims	1652	WF-12482	W1160233	N414405	grab	pvd3	0.370	7.85	0.002	16.90	0.097	0.813	43.30	3.230	<0.5	133.00	<0.25	0.932	<0.5	<1	<0.5	<0.005	364	NA
WD nos. 1-10 (Jerritt Cyn)	1195	WF-12053	W1160329	N411529	grab	dov1	0.241	2.18	0.008	36.80	<0.1	9.460	3.05	0.801	<0.5	33.90	<0.25	0.213	0.673	1.96	<0.5	<0.005	2329	4
WD nos. 1-10 (Jerritt Cyn)	1196	WF-12054	W1160335	N411525	grab	dov1	0.436	2.99	0.010	34.60	0.990	2.120	3.32	0.891	<0.5	29.10	<0.25	0.337	<0.5	<1	<0.5	<0.005	1623	<4
WD claims (Jerritt Cyn)	971	WF-11840	W1160122	N411811	grab	dov1	0.220	4.50	<0.001	4.48	<0.1	3.420	2.05	0.665	<0.5	21.90	<0.25	0.575	<0.5	<1	<0.5	<0.005	186	<4
WD claims (Jerritt Cyn)	972	WF-11841	W1160122	N411749	grab	soh1	0.306	9.71	0.003	16.50	<0.1	9.780	3.07	187.000	<0.5	120.00	<0.25	0.613	<0.5	1.00	<0.5	<0.005	808	<4
WD claims (Jerritt Cyn)	973	WF-11842	W1160115	N411748	grab	soh1	0.033	1.33	0.001	2.65	<0.1	0.424	0.95	0.497	<0.5	6.93	<0.25	0.105	<0.5	<1	<0.5	<0.005	3409	<4
WD claims (Jerritt Cyn)	974	WF-11843	W1160105	N411750	grab	dov1	0.022	1.83	0.001	3.84	<0.1	13.000	0.92	0.800	<0.5	9.58	<0.25	<0.1	<0.5	<1	<0.5	<0.005	4010	<4
WD claims (Jerritt Cyn)	975	WF-11844	W1160120	N411823	grab	dov1	0.709	5.14	0.008	57.70	<0.1	4.780	10.10	1.980	<0.5	145.00	<0.25	0.379	2.010	2.76	<0.5	<0.005	7807	<4
WD claims (Jerritt Cyn)	1202	WF-12060	W1160224	N411735	grab	soh1	0.118	4.25	0.001	3.34	<0.1	10.400	2.87	1.820	<0.5	21.70	0.279	0.225	<0.5	<1	<0.5	<0.005	195	NA
WP claims (Jerritt Cyn)	341	WF-10878	W1160307	N411518	grab	dov1	0.568	29.80	0.009	23.20	1.220	20.800	3.52	1.930	<0.5	16.30	<0.25	0.166	<0.5	<1	<0.5	<0.005	1814	<4
WP claims (Jerritt Cyn)	342	WF-10879	W1160307	N411518	grab	dov1	0.352	5.99	0.010	92.60	0.143	2.810	7.24	1.450	<0.5	94.60	<0.25	0.240	3.660	1.32	<0.5	<0.005	3661	<4
WP claims (Jerritt Cyn)	343	WF-10880	W1160307	N411518	grab	dov1	0.568	38.00	0.018	149.00	0.275	11.100	12.20	7.350	<0.5	380.00	<0.25	1.720	0.776	3.04	<0.5	<0.005	1007	<4
WP claims (Jerritt Cyn)	344	WF-10881	W1160307	N411518	grab	dov1	0.430	4.80	0.016	17.50	<0.1	5.310	3.58	2.140	<0.5	5.99	<0.25	<0.1	0.891	1.36	<0.5	<0.005	1642	<4
WP claims (Jerritt Cyn)	345	WF-10882	W1160324	N411655	grab	dsr1	0.326	34.30	0.087	10.10	0.290	3.130	4.48	3.730	<0.5	363.00	<0.25	3.000	0.689	<1	<0.5	<0.005	10636	<4
WP claims (Jerritt Cyn)	346	WF-10883	W1160324	N411655	grab	dsr1	0.381	45.60	0.024	10.00	<0.1	6.040	7.57	4.280	0.673	176.00	<0.25	4.400	<0.5	0.96	<0.5	<0.005	649	<4
WP claims (Jerritt Cyn)	347	WF-10884	W1160337	N411659	grab	dsr1	0.305	73.90	0.040	12.70	0.165	10.400	10.00	7.140	<0.5	167.00	<0.25	2.630	0.541	<1	<0.5	<0.005	1742	<4
WP claims (Jerritt Cyn)	348	WF-10885	W1160337	N411659	grab	dsr1	0.270	84.50	0.152	9.55	0.175	13.400	6.19	4.850	<0.5	102.00	<0.25	0.863	<0.5	<1	<0.5	<0.005	694	<4
WP claims (Jerritt Cyn)	349	WF-10886	W1160340	N411648	grab	dsr1	0.330	52.50	0.990	11.30	0.138	4.050	5.73	7.290	<0.5	84.60	<0.25	1.130	<0.5	<1	<0.5	<0.005	430	<4

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
WP claims (Jerritt Cyn)	350	WF-10887	W1160342	N411655	grab	dsr1	0.296	6.42	0.027	8.51	<0.1	1.260	3.81	2.210	<0.5	32.30	<0.25	0.410	<0.5	<1	<0.5	<0.005	30001	<4
WP claims (Jerritt Cyn)	498	WF-11042	W1160345	N411647	grab	dsr1	0.354	23.10	0.054	44.00	<0.1	2.290	9.92	5.130	<0.5	95.50	1.000	0.825	<0.5	<1	<0.5	<0.005	8518	<4
WP claims (Jerritt Cyn)	499	WF-11043	W1160246	N411649	grab	dsr1	0.932	139.00	0.195	34.60	0.531	10.100	8.20	10.700	<0.5	154.00	1.990	2.030	<0.5	0.99	<0.5	<0.005	203	<4
WP claims (Jerritt Cyn)	500	WF-11044	W1160246	N411650	grab	dsr1	0.450	11.90	0.026	21.50	<0.1	2.210	6.49	2.310	<0.5	43.90	0.711	0.403	<0.5	<1	<0.5	<0.005	3645	<4
WP claims (Jerritt Cyn)	551	WF-11073	W1160216	N411638	grab	dsr1	0.451	263.00	0.565	14.50	1.740	5.560	8.97	8.590	<0.5	106.00	<0.25	1.210	<0.5	<1	<0.5	<0.005	278	<4
WP claims (Jerritt Cyn)	552	WF-11074	W1160216	N411638	grab	dsr1	0.411	184.00	0.643	67.00	0.967	10.000	6.73	14.900	<0.5	242.00	<0.25	2.930	<0.5	<1	<0.5	<0.005	262	<4
WP claims (Jerritt Cyn)	970	WF-11839	W1160016	N411802	grab	dov1	0.457	2.62	0.008	37.70	<0.1	16.300	3.19	0.723	<0.5	75.90	<0.25	0.240	<0.5	<1	<0.5	<0.005	1092	<4
WP claims (Jerritt Cyn)	980	WF-11849	W1160235	N411826	grab	dsr1	0.096	17.40	0.030	3.10	<0.1	0.299	3.33	2.050	<0.5	13.20	<0.25	0.157	<0.5	<1	<0.5	<0.005	58	<4
WP claims (Jerritt Cyn)	1141	WF-11990	W1155910	N411740	grab	dov1	0.362	7.69	0.008	54.40	<0.1	3.520	11.10	2.080	<0.5	172.00	<0.25	1.270	0.833	2.53	<0.5	<0.005	3913	<4
WP claims (Jerritt Cyn)	1189	WF-12047	W1160148	N411553	grab	dov1	0.275	4.67	0.002	12.90	<0.1	3.270	5.59	1.440	<0.5	78.80	<0.25	2.170	<0.5	<1	<0.5	<0.005	6212	<4
WP claims (Jerritt Cyn)	1190	WF-12048	W1160146	N411554	grab	dov1	0.020	2.87	<0.001	2.10	<0.1	2.600	1.08	0.256	<0.5	16.90	<0.25	0.227	<0.5	<1	<0.5	<0.005	1019	4
WP claims (Jerritt Cyn)	1191	WF-12049	W1160146	N411553	grab	dov1	0.214	2.40	0.001	13.10	<0.1	1.380	1.48	0.453	<0.5	30.00	<0.25	0.570	<0.5	<1	<0.5	<0.005	2767	4
WP claims (Jerritt Cyn)	1192	WF-12050	W1160122	N411643	grab	soh1	0.096	29.60	0.013	9.46	0.278	2.870	2.52	18.400	<0.5	209.00	<0.25	2.930	0.822	<1	<0.5	<0.005	435203	<4
WP claims (Jerritt Cyn)	1193	WF-12051	W1160122	N411643	grab	soh1	0.167	13.40	0.041	6.76	0.229	0.582	2.44	4.840	<0.5	112.00	<0.25	1.520	0.489	<1	<0.5	<0.005	56724	<4
WP claims (Jerritt Cyn)	1194	WF-12052	W1160104	N411659	grab	soh1	0.048	6.94	0.002	3.56	<0.1	0.564	1.45	0.688	<0.5	29.50	<0.25	0.235	<0.5	<1	<0.5	<0.005	670	<4
WP claims (Jerritt Cyn)	1197	WF-12055	W1160325	N411614	grab	dov1	0.536	5.33	0.001	20.80	0.267	18.200	8.47	3.930	<0.5	51.40	0.318	0.553	<0.5	2.40	<0.5	<0.005	909	<4
WP claims (Jerritt Cyn)	1198	WF-12056	W1160314	N411601	grab	dov1	0.142	3.77	<0.001	37.20	0.117	5.010	4.87	2.050	0.642	47.20	<0.25	0.318	2.560	2.67	<0.5	<0.005	790	NA
WP claims (Jerritt Cyn)	1199	WF-12057	W1160240	N411531	grab	dov1	0.403	6.60	0.006	212.00	0.498	6.080	301.00	2.600	0.852	804.00	0.254	3.380	3.090	2.06	<0.5	<0.005	4899	NA
WP claims (Jerritt Cyn)	1200	WF-12058	W1160240	N411531	grab	dov1	0.722	11.60	0.012	121.00	0.637	7.830	16.00	2.820	0.618	193.00	0.354	1.530	1.970	3.10	<0.5	<0.005	3155	NA
WP claims (Jerritt Cyn)	1201	WF-12059	W1160301	N411818	grab	dov1	0.697	9.15	0.008	30.20	0.278	17.900	3.27	1.400	<0.5	29.40	0.311	0.274	<0.5	2.23	<0.5	<0.005	758	NA
WP claims (Jerritt Cyn)	1203	WF-12061	W1160316	N411737	select	soh1	3.340	474.00	0.071	<0.05	<0.1	9.220	9.69	75200.000	<0.5	315.00	<0.25	4.320	<0.5	77.40	<0.5	<0.005	24854	NA
WP claims (Jerritt Cyn)	1204	WF-12062	W1160316	N411737	grab	soh1	0.799	431.00	0.097	13.10	<0.1	13.800	4.74	888.000	<0.5	91.70	<0.25	1.160	<0.5	<1	<0.5	<0.005	38499	NA
WP claims (Jerritt Cyn)	1205	WF-12063	W1160316	N411737	grab	soh1	2.470	24.50	0.002	8.62	<0.1	19.200	3.46	350.000	<0.5	84.10	<0.25	0.982	<0.5	<1	<0.5	<0.005	4893	NA
WP claims (Jerritt Cyn)	1355	WF-12127	W1160333	N411555	select	dov1	0.322	<1	0.011	7.60	<0.1	2.410	<0.25	3.560	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	523508	NA
WP claims (Jerritt Cyn)	1356	WF-12128	W1160333	N411555	select	dov1	0.452	<1	0.032	26.70	<0.1	6.010	4.81	3.800	<0.5	71.20	<0.25	1.160	<0.5	<1	<0.5	<0.005	312215	NA
WP claims (Jerritt Cyn)	1357	WF-12129	W1160333	N411555	select	dov1	0.506	<1	0.019	20.70	<0.1	4.350	<0.25	3.320	<0.5	38.50	<0.25	<0.1	<0.5	<1	<0.5	<0.005	499100	NA
WP claims (Jerritt Cyn)	1358	WF-12130	W1160333	N411555	select	dov1	0.429	<1	0.012	14.10	<0.1	4.000	<0.25	3.990	<0.5	16.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	517925	NA
WP claims (Jerritt Cyn)	1359	WF-12131	W1160343	N411604	select	dov1	0.174	1.58	0.003	14.80	0.176	4.330	4.84	0.534	<0.5	32.80	<0.25	0.372	<0.5	<1	<0.5	<0.005	389185	NA
WP claims (Jerritt Cyn)	1360	WF-12132	W1160343	N411604	grab	dov1	0.105	1.07	0.002	52.80	<0.1	0.550	0.90	<0.25	<0.5	62.80	<0.25	0.290	9.410	<1	<0.5	<0.005	7874	NA
WP claims (Jerritt Cyn)	1361	WF-12133	W1160341	N411558	grab	dov1	0.379	11.40	0.016	38.10	<0.1	6.400	14.30	2.840	<0.5	47.60	<0.25	<0.1	<0.5	<1	<0.5	<0.005	3157	NA
WT claims (Jerritt Cyn)	1181	WF-12039	W1155927	N411513	grab	dov1	1.630	17.90	0.007	41.30	0.158	12.600	3.00	3.280	<0.5	54.80	<0.25	0.683	<0.5	5.18	<0.5	<0.005	332	<4
WT claims (Jerritt Cyn)	1182	WF-12040	W1155938	N411510	grab	dov1	0.283	3.90	0.004	20.90	<0.1	14.100	3.07	0.950	<0.5	23.30	<0.25	0.269	<0.5	1.85	<0.5	<0.005	32332	<4
WT claims (Jerritt Cyn)	1183	WF-12041	W1160006	N411512	chip	dov1	0.039	1.89	0.003	9.14	<0.1	0.540	2.14	0.619	<0.5	16.80	<0.25	<0.1	<0.5	<1	<0.5	<0.005	415065	<4
WT claims (Jerritt Cyn)	1184	WF-12042	W1160006	N411512	chip	dov1	0.046	3.94	0.003	11.70	<0.1	1.320	2.27	0.662	<0.5	17.30	<0.25	<0.1	<0.5	<1	<0.5	<0.005	497189	<4
WT claims (Jerritt Cyn)	1185	WF-12043	W1160006	N411512	chip	dov1	0.044	2.70	<0.001	8.49	<0.1	0.437	1.87	0.333	<0.5	8.99	<0.25	<0.1	<0.5	<1	<0.5	<0.005	477013	4
WT claims (Jerritt Cyn)	1186	WF-12044	W1160006	N411512	chip	dov1	0.120	3.14	0.003	13.40	<0.1	3.710	2.35	0.999	<0.5	44.20	<0.25	0.293	<0.5	<1	<0.5	<0.005	382792	4
WT claims (Jerritt Cyn)	1187	WF-12045	W1160044	N411503	select	dov1	0.042	1.53	0.002	5.43	<0.1	0.653	1.04	0.248	<0.5	7.23	<0.25	<0.1	<0.5	<1	<0.5	<0.005	407078	<4
WT claims (Jerritt Cyn)	1188	WF-12046	W1160048	N411511	grab	dov1	0.092	2.18	0.006	16.10	0.113	3.000	4.92	0.561	<0.5	11.70	<0.25	<0.1	<0.5	1.02	<0.5	<0.005	356082	<4
Wall claims	1446	WF-12310	W1160718	N414526	grab	dov3	0.332	7.18	0.006	13.60	<0.1	8.320	34.60	14.000	<0.5	9.32	<0.25	0.146	<0.5	<1	<0.5	<0.005	<25	NA
Wall claims	1575	WF-12439	W1160705	N414533	grab	dov3	0.179	42.60	0.029	221.00	0.489	7.480	15.60	8.770	<0.5	239.00	<0.25	0.528	1.340	2.99	<0.5	<0.005	862	NA
Wall claims	1576	WF-12440	W1160658	N414540	grab	dov3	0.126	68.60	0.062	95.40	<0.1	12.400	6.34	17.300	<0.5	163.00	<0.25	1.140	<0.5	<1	<0.5	<0.005	171	NA
Wall claims	1577	WF-12441	W1160653	N414541	grab	dov3	0.130	9.15	0.029	63.40	0.181	16.600	5.59	1.450	<0.5	46.90	<0.25	0.331	<0.5	<1	<0.5	<0.005	<25	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Wall claims	1578	WF-12442	W1160652	N414526	grab	dov3	0.219	5.12	0.002	108.00	<0.1	2.010	2.99	5.000	<0.5	114.00	<0.25	0.466	15.600	1.44	<0.5	<0.005	1222	NA
Wall claims	1579	WF-12443	W1160618	N414547	grab	dov3	0.133	12.10	0.001	162.00	0.391	14.200	1.64	2.610	<0.5	153.00	<0.25	0.981	<0.5	2.58	<0.5	<0.005	65	NA
Wall claims	1589	WF-12450	W1160613	N414550	grab	dov3	0.412	16.40	0.003	46.50	0.565	7.650	3.18	3.390	<0.5	172.00	<0.25	1.020	<0.5	2.00	<0.5	<0.005	4842	NA
White Rock Canyon prospect	1532	WF-12421	W1161011	N414202	select	kjd3	54.900	16.50	0.024	24.20	1.820	15.600	44700.00	28.800	<0.5	14200.00	<0.25	1040.000	<0.5	<1	36.600	<0.005	36	NA
WigWag nos. 1-40	1729	WF-12590	W1155809	N413844	grab	pms2	0.102	10.00	0.002	7.43	0.357	5.290	2.32	7.530	<0.5	5.00	<0.25	<0.1	0.799	<1	<0.5	<0.005	2285	NA
WigWag nos. 1-40	1730	WF-12591	W1155828	N413835	grab	pms2	0.748	34.90	0.001	7.39	0.347	6.230	4.83	10.700	<0.5	6.21	<0.25	<0.1	0.970	<1	<0.5	<0.005	3095	NA
WigWag nos. 1-40	1731	WF-12592	W1155843	N413823	grab	pms2	0.048	6.85	0.002	33.40	<0.1	5.740	4.24	0.817	<0.5	6.05	<0.25	<0.1	0.846	<1	<0.5	<0.005	1373	NA
WigWag nos. 1-40	1732	WF-12593	W1155854	N413839	grab	tvol	0.025	<1	<0.001	7.81	<0.1	2.150	5.51	1.390	<0.5	53.60	<0.25	<0.1	3.480	<1	<0.5	<0.005	1576	NA
WigWag nos. 1-40	1733	WF-12594	W1155918	N413846	grab	tvol	0.019	<1	0.001	2.11	<0.1	1.870	5.80	<0.25	<0.5	16.60	<0.25	<0.1	1.460	<1	<0.5	<0.005	1109	NA
WigWag nos. 1-40	1734	WF-12595	W1155915	N413920	grab	tvol	0.066	<1	0.001	5.42	<0.1	4.190	7.77	<0.25	<0.5	80.90	<0.25	0.110	2.650	<1	<0.5	<0.005	2478	NA
WigWag nos. 1-40	1735	WF-12596	W1155858	N413921	grab	tvol	<0.015	1.86	<0.001	27.40	<0.1	0.369	2.93	<0.25	<0.5	57.80	<0.25	<0.1	3.950	<1	<0.5	<0.005	2862	NA
Wilson claims	338	WF-10875	W1161204	N413421	grab	ccm3	0.242	14.50	0.010	14.10	<0.1	1.590	22.10	1.630	<0.5	57.00	0.244	<0.1	4.040	<1	<0.5	<0.005	787	<4
Wilson claims	651	WF-11450	W1161038	N413807	grab	ccm3	0.032	4.05	0.001	3.75	<0.1	0.360	5.89	1.370	<0.5	14.20	<0.25	0.101	<0.5	<1	<0.5	<0.005	<25	<4
Wilson claims	652	WF-11451	W1161028	N413803	grab	ccm3	7.940	6.41	0.003	32.40	0.286	0.788	656.00	4.680	<0.5	280.00	<0.25	3.440	2.070	<1	<0.5	<0.005	459	<4
Wilson claims	653	WF-11452	W1161029	N413802	grab	ccm3	37.400	15.10	0.014	9.18	1.520	1.340	3475.00	27.400	<0.5	1404.00	0.393	27.900	<0.5	2.30	0.937	<0.005	<25	<4
Wilson claims	654	WF-11453	W1161022	N413808	grab	tvol	16.100	15.50	0.005	12.40	0.558	0.978	1156.00	11.500	<0.5	419.00	<0.25	9.660	4.710	1.12	<0.5	<0.005	782	4
Wilson claims	655	WF-11454	W1161018	N413813	grab	ccm3	<0.015	168.00	0.020	14.60	2.770	7.610	137.00	<0.25	<0.5	178.00	<0.25	3.550	<0.5	<1	<0.5	<0.005	759	4
Wilson claims	656	WF-11121	W1161018	N413813	grab	ccm3	2.380	3.52	0.001	16.30	<0.1	0.315	87.70	16.100	<0.5	57.00	<0.25	2.130	<0.5	<1	<0.5	<0.005	44	<4
Wilson claims	657	WF-11122	W1161018	N413813	grab	ccm3	2.330	443.00	0.039	45.50	13.900	19.100	77.20	127.000	2.170	444.00	<0.25	3.730	0.855	1.32	<0.5	<0.005	4605	<4
Wilson claims	658	WF-11123	W1160951	N413827	grab	ccm3	0.948	3.14	0.002	14.90	<0.1	0.515	33.30	7.820	0.559	43.40	<0.25	0.476	3.940	<1	<0.5	<0.005	314	<4
Wilson claims	768	WF-11523	W1161128	N413643	grab	pms3	0.794	14.30	0.002	26.10	<0.1	1.190	12.50	2.420	<0.5	18.20	0.264	<0.1	1.790	1.03	<0.5	<0.005	3633	<4
Wilson claims	773	WF-11528	W1161132	N413644	grab	pms3	0.665	10.70	0.001	66.80	<0.1	0.975	5.34	1.140	<0.5	77.10	<0.25	0.164	3.680	<1	<0.5	<0.005	3898	<4
Wilson claims	774	WF-11529	W1161134	N413645	grab	pms3	0.204	26.80	0.001	9.15	<0.1	4.200	12.30	1.120	<0.5	36.20	<0.25	0.165	3.980	<1	<0.5	<0.005	2595	<4
Wilson claims	775	WF-11530	W1161138	N413645	grab	pms3	0.478	6.36	0.003	62.90	<0.1	1.130	11.00	0.826	<0.5	97.00	<0.25	0.245	4.680	<1	<0.5	<0.005	4921	<4
Wilson claims	776	WF-11531	W1161141	N413645	grab	kjd3	0.148	1.37	<0.001	15.60	<0.1	2.050	13.80	0.521	<0.5	45.00	<0.25	0.103	8.830	<1	<0.5	<0.005	3435	<4
Wilson claims	777	WF-12134	W1161147	N413643	grab	pms3	0.542	11.40	0.002	8.64	<0.1	7.880	27.20	0.891	<0.5	45.30	0.328	0.990	1.040	4.39	<0.5	<0.005	2498	<4
Wilson claims	778	WF-11532	W1161157	N413644	grab	cpm3	0.678	7.79	0.001	6.76	<0.1	8.170	14.30	2.350	<0.5	22.00	0.701	0.132	0.838	<1	<0.5	<0.005	295	<4
Wilson claims	779	WF-11533	W1161158	N413642	grab	cpm3	0.229	2.93	<0.001	4.86	<0.1	0.446	2.88	1.220	<0.5	2.37	<0.25	<0.1	0.484	<1	<0.5	<0.005	348	<4
Wilson claims	780	WF-11556	W1161201	N413640	grab	cpm3	0.135	7.63	0.002	5.15	0.257	0.634	2.72	2.810	<0.5	9.69	<0.25	<0.1	1.160	<1	<0.5	<0.005	159	<4
Wilson claims	781	WF-11557	W1161209	N413634	grab	cpm3	0.291	2.43	0.002	4.18	<0.1	7.940	2.65	0.539	<0.5	5.17	<0.25	<0.1	<0.5	<1	<0.5	<0.005	242	<4
Wilson claims	782	WF-11558	W1161127	N413638	grab	pms3	0.227	2.75	0.001	45.30	<0.1	1.030	7.15	0.878	<0.5	18.80	<0.25	<0.1	3.260	<1	<0.5	<0.005	1113	<4
Wilson claims	783	WF-11559	W1161126	N413634	grab	pms3	1.080	24.20	0.003	11.90	<0.1	6.490	9.77	1.860	<0.5	12.20	0.360	<0.1	1.190	1.00	<0.5	<0.005	993	<4
Wilson claims	784	WF-11560	W1161126	N413632	grab	pms3	0.120	2.50	0.006	10.90	<0.1	6.810	4.80	0.391	<0.5	52.20	<0.25	0.108	5.330	<1	<0.5	<0.005	1327	<4
Wilson claims	785	WF-11534	W1161125	N413629	grab	pms3	0.393	5.94	0.002	41.40	<0.1	5.320	4.51	1.090	<0.5	25.50	<0.25	<0.1	2.150	2.40	<0.5	<0.005	3051	<4
Wilson claims	1415	WF-12279	W1161124	N413644	grab	pms3	31.900	296.00	0.060	95.50	<0.1	8.740	9.19	6.140	<0.5	47.10	0.314	0.131	1.610	3.70	10.700	<0.005	543	NA
Wilson claims	1416	WF-12280	W1161122	N413646	grab	pms3	2.360	109.00	0.075	276.00	<0.1	10.400	31.90	6.380	<0.5	552.00	0.507	1.720	6.260	9.05	1.480	<0.005	607	NA
Wilson claims	1417	WF-12281	W1161121	N413648	grab	pms3	0.194	11.00	0.005	53.70	<0.1	5.590	3.06	1.440	<0.5	15.40	<0.25	<0.1	2.400	<1	<0.5	<0.005	4004	NA
Wilson claims	1418	WF-12282	W1161117	N413655	grab	kjd3	0.170	10.50	0.007	1.97	<0.1	3.780	10.00	0.526	<0.5	7.44	<0.25	<0.1	0.880	1.00	<0.5	<0.005	3204	NA
Wilson claims	1419	WF-12283	W1161117	N413655	grab	pms3	0.470	23.40	0.045	40.60	<0.1	6.350	4.90	1.380	<0.5	52.90	<0.25	0.228	4.890	1.05	<0.5	<0.005	1496	NA
Wilson claims	1420	WF-12284	W1161116	N413656	grab	pms3	0.690	11.70	0.031	83.20	<0.1	14.200	13.00	13.200	<0.5	298.00	0.256	0.364	4.030	3.02	0.537	<0.005	255	NA
Wilson claims	1432	WF-12296	W1161111	N413800	grab	ccm3	0.226	100.00	0.006	19.80	0.373	5.620	38.10	12.100	<0.5	108.00	<0.25	0.164	<0.5	<1	<0.5	<0.005	463	NA
Wilson claims	1433	WF-12297	W1161111	N413800	grab	ccm3	0.221	100.00	0.010	22.60	<0.1	1.310	36.70	6.430	<0.5	42.10	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1040	NA

Table A-1.--Results of placer and lode sample analyses--Continued

Property 1/	Field no.	Lab no.	Longitude	Latitude	Type	Geology 2/	Ag ppm 3/	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm	Pd ppm	Ba ppm	W ppm
Wilson claims	1434	WF-12298	W1161058	N413824	grab	ccm3	2.300	515.00	0.043	50.10	<0.1	19.700	1101.00	56.400	<0.5	1223.00	<0.25	2.380	0.468	3.98	1.140	<0.005	<25	NA
Wilson claims	1435	WF-12299	W1161054	N413832	grab	ccm3	8.950	143.00	0.313	41.70	1.610	34.500	620.00	63.100	<0.5	703.00	<0.25	1.660	<0.5	<1	<0.5	<0.005	51	NA
Wilson claims	1436	WF-12300	W1161047	N413840	grab	ccm3	0.038	3.57	0.005	22.50	<0.1	0.920	8.07	0.309	<0.5	51.20	<0.25	<0.1	9.220	<1	<0.5	<0.005	14540	NA
Wood Gulch project (Guide claims)	1669	WF-12499	W1155757	N414049	select	pms2	6.480	75.20	0.695	3.83	<0.1	6.010	2.35	9.510	<0.5	<1	<0.25	<0.1	<0.5	<1	<0.5	<0.005	1073	NA
Wood Gulch project (Guide claims)	1670	WF-12500	W1155757	N414049	select	pms2	1147.000	3206.00	15.700	37.20	1.280	15.900	9.97	164.000	<0.5	27.10	<0.25	<0.1	<0.5	73.90	<0.5	<0.005	1541	NA
Wood Gulch project (Guide claims)	1740	WF-12601	W1155731	N414016	grab	pms2	1.910	51.50	0.027	7.41	2.510	7.060	6.73	8.330	<0.5	2.89	0.892	<0.1	0.931	<1	<0.5	<0.005	950	NA
Wood Gulch project (Guide claims)	1741	WF-12602	W1155730	N414017	grab	pms2	2.800	93.80	0.055	31.10	0.752	8.490	14.90	14.900	0.627	37.40	0.295	0.363	0.645	1.13	<0.5	<0.005	929	NA
Wood Gulch project (Guide claims)	1742	WF-12603	W1155725	N414011	grab	pms2	2.280	115.00	0.042	37.20	0.888	5.140	73.40	14.800	0.578	67.40	2.470	0.626	0.638	1.62	<0.5	<0.005	903	NA

1/ Property names are derived from Elko County master title plats, dated 1989. Refer to Plates 1 and 14 (in pocket) for locations.

2/ Geological formations used: dov1- Valmy (southern) Fm., dsr1- Roberts Mountain Fm., soh1- Hansen Creek Fm., oeq1- Eureka Quartzite, pms2- Schoonover Fm., msc2- Mississippian clastic and limy rock near Jacks Creek, pmi2- Chellis and Storff Fm. or equivalent rocks, ccm2- Porter Peak Limestone and Edgemont Fm. or equivalent rocks, cpm3- Prospect Mountain Quartzite, dov3- Valmy (northern) Fm., pms3- Schoonover (northern) Fm., ppr3- Reservation Hill Fm., ccm3- Porter Peak Limestone and Edgemont Fm. or equivalent rocks, oaf3- Aura Fm., mcs3- Mountain City Fm. and Chainman Shale, pmi3- Chellis and Storff (northern) Fm. or equivalent rocks, pvd3- Van Duzer Limestone, mbn3- Banner Fm., kjd3- Cretaceous Jurassic intrusives, tvol- Teriary volcanics and sediments.

3/ Elemental detection limits set by the lab:

Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Tl	Zn	Bi	Cd	Ga	Se	Te	Pd	Ba	W
0.015	1	0.0005	0.05	0.1	0.1	0.005	0.25	0.5	1	0.25	0.1	0.5	1	0.5	0.005	25	4

4/ Apparent lack of data in certain columns within this table are explained as follows:

A) missing longitude-latitude data are from samples collected from properties several miles outside the study area

b) missing geology data are from pan samples containing several mixed rock formations

c) missing lab numbers are from pan or petrographic samples that were not subjected to the same analyses as the lode samples; sample 495 was not issued a lab no.

APPENDIX B.--Statistical Analyses of Sample Data

CONTENTS

Illustrations

Tables

Representing an area of more than 300 mi^2, the 1,767 USBM samples collected during this study must be considered reconnaissance data. Given their areal distribution (plate 2), the samples are assumed to be spatially independent. Altered rock samples were collected from each geologic formation or major rock type, and analyzed for 16 elements; most were also analyzed for barium, and 1,200 were analyzed for tungsten.

Statistical methods were used to 1) estimate the thresholds of anomalous values for elements by formation or major rock type; and 2) determine if anomalous elements or correlations provide evidence of zoning characteristic of certain deposit types.

Figures B-1 through B-10 are $\log_{10}$-transformed histograms for ten elements which are considered to be significant in understanding mineralizing systems within the study area. Histogram values are given in ppm transformed from a $\log_{10}$ plot. For all ten elements, the first column represents only samples below the detection limit. Also at low ppm values, zero columns are an artifact of the logarithmic interval spacing and the reported low-value increments from the assay lab.

The $\log_{10}$ transformation was used to mitigate the skewed distribution of the raw sample data that results from the mineralized nature of the samples. The histograms show that the transformed data are still somewhat skewed but, for most elements, approach a log normal distribution. Over 55% of the mercury values (fig. B-5) were below detection limit; therefore, no meaningful interpretation of the graph is possible. Multiple peaks, such as in the molybdenum graph (fig. B-10), may suggest different rock types or different mineralizing processes.

A computer program, STATS+ (Statsoft, Inc., 1988), was used to provide descriptive statistics for raw sample data by geologic formation or major rock type; these included mean, standard deviation, standard error, and Spearman rank correlations[4] (descriptive statistics) by geologic formation or major rock type. Tables B-1 to B-12 show these results for eleven formations or rock types. The elements included are those shown in the histograms except for barium, which had no discernable correlation with the other elements.

Statistics for the Prospect Mountain Quartzite, Porter Peak Limestone, and Edgemont Formation (table B-3, -4, and -5) are of greatest interest. The Prospect Mountain Quartzite has the highest mean (3.466 ppm gold) and the highest maximum value (77.286 ppm gold) of all of the formations or rock types. Over one-half of the 161 samples collected from this rock type contain 0.1 ppm or more of gold. Although most of these samples were from quartz veins within the formation, a significant number of quartzite samples also contained anomalous gold. A strong correlation exists

[4]The Spearman rank method tests for a relationship between two variables by converting their values to their corresponding ranks and calculating a correlation coefficient using these rank values. This is useful where outliers have a large adverse effect on correlation values.

between gold, silver, and the base metals (table B-3). When samples over 0.5 ppm are excluded, metal correlations weaken; at over 1.0 ppm. correlations nearly disappear (table B-4). Strong base metal correlation with high gold values indicate a gold-rich polymetallic vein deposit model (Cox and Singer, 1986, p. 125-129). The Porter Peak Limestone and Edgemont Formation (or equivalent rocks) also have high gold values with a mean of 1.324 ppm. Conversely, the Tertiary volcanic and sedimentary rocks have a mean of 0.003 ppm (table B-8).

The data in tables B-1 through -12 indicate that correlations of gold, arsenic, antimony, and mercury (associated gold pathfinder elements), are consistent in most formations. In general, the correlations from strongest to weakest are: antimony-arsenic, antimony-mercury, arsenic-mercury, gold-antimony, gold-arsenic, and gold-mercury. Formations that contain more limestone or higher grade gold veins tend to have relatively stronger gold-arsenic values. These patterns suggest a central zone enriched in gold, antimony, and arsenic, and a more widespread zone enriched in mercury.

Graphical provability analysis (PROBPLOT, Stanley, 1987) was used to estimate anomalous elemental values. Table B-13 shows anomalous values for gold, silver, arsenic, and antimony by formation or rock type. Mercury, detected in less than half the samples, is considered anomalous at 0.5 ppm in all formations.

Anomalous element values, moderately strong element correlations, the dominance of Paleozoic rocks containing gold-related anomalies, and widespread geochemical zoning indicate an epithermal sediment-hosted gold deposit model (Silberman and Berger, 1985, p. 214-215). The relationship of geochemical zoning patterns, once completely established, will be a useful guide for future metal discoveries.

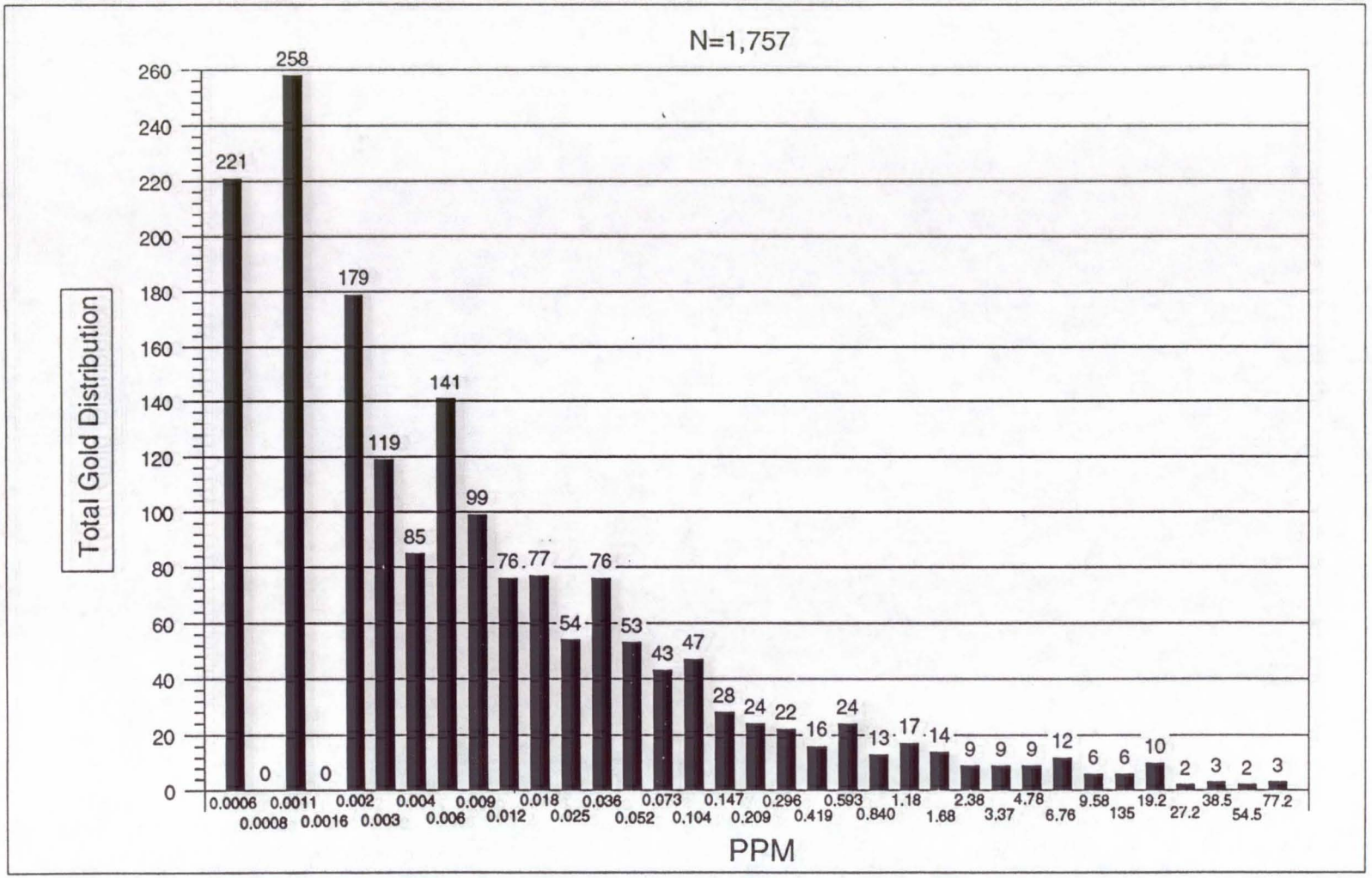

Figure B-1.-Gold distribution

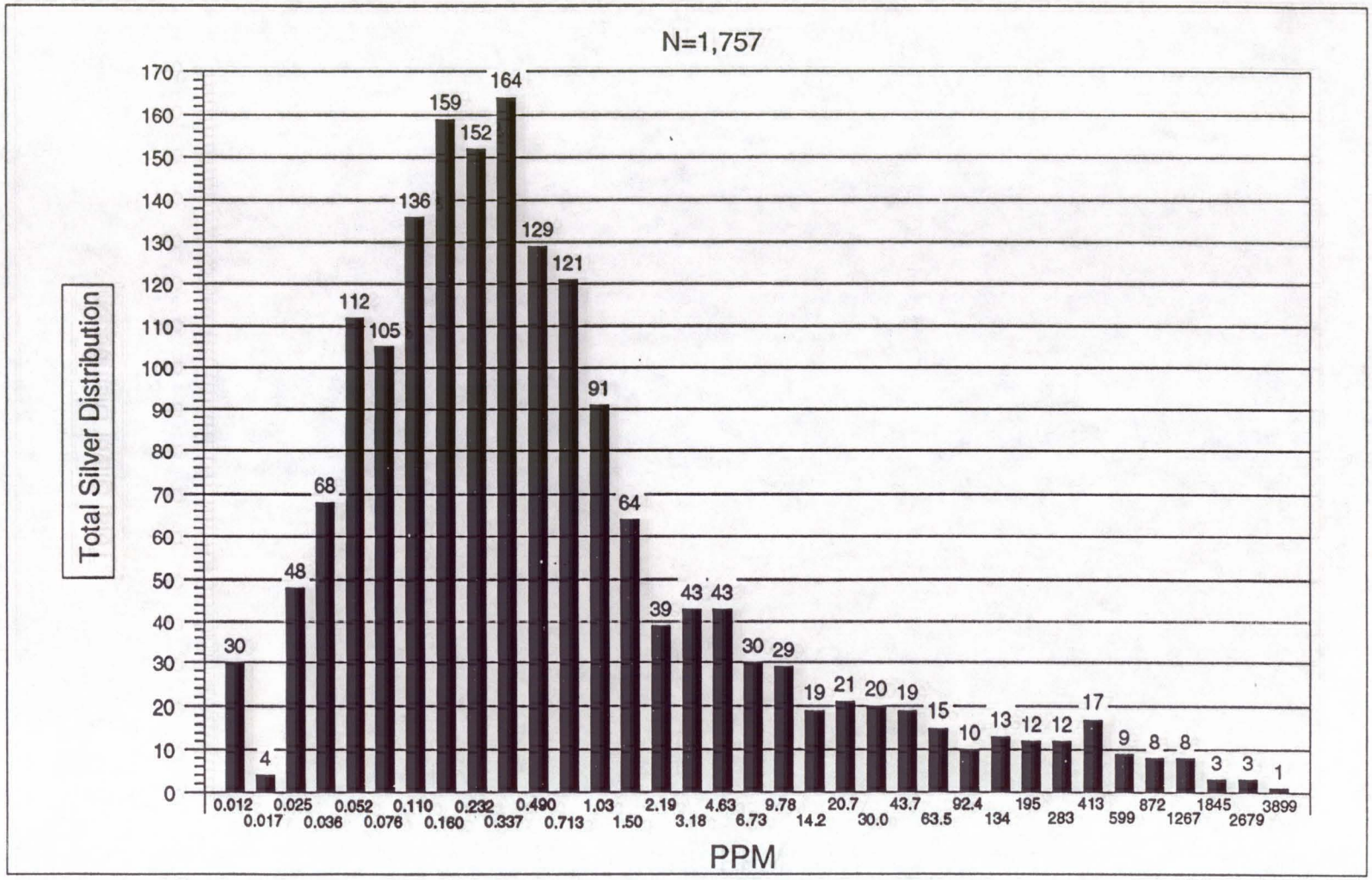

Figure B-2.- Silver distribution

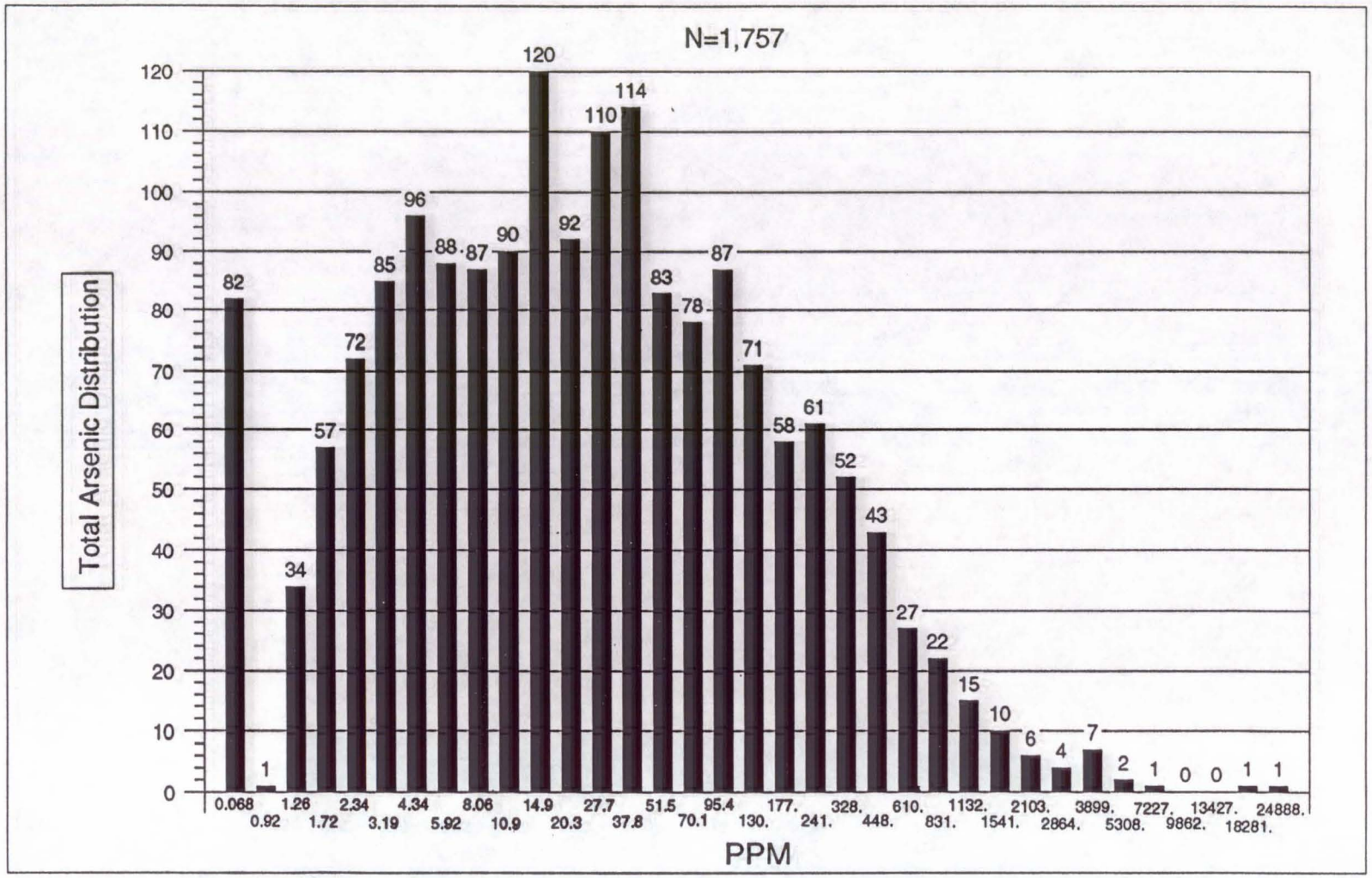

Figure B-3.-Arsenic distribution

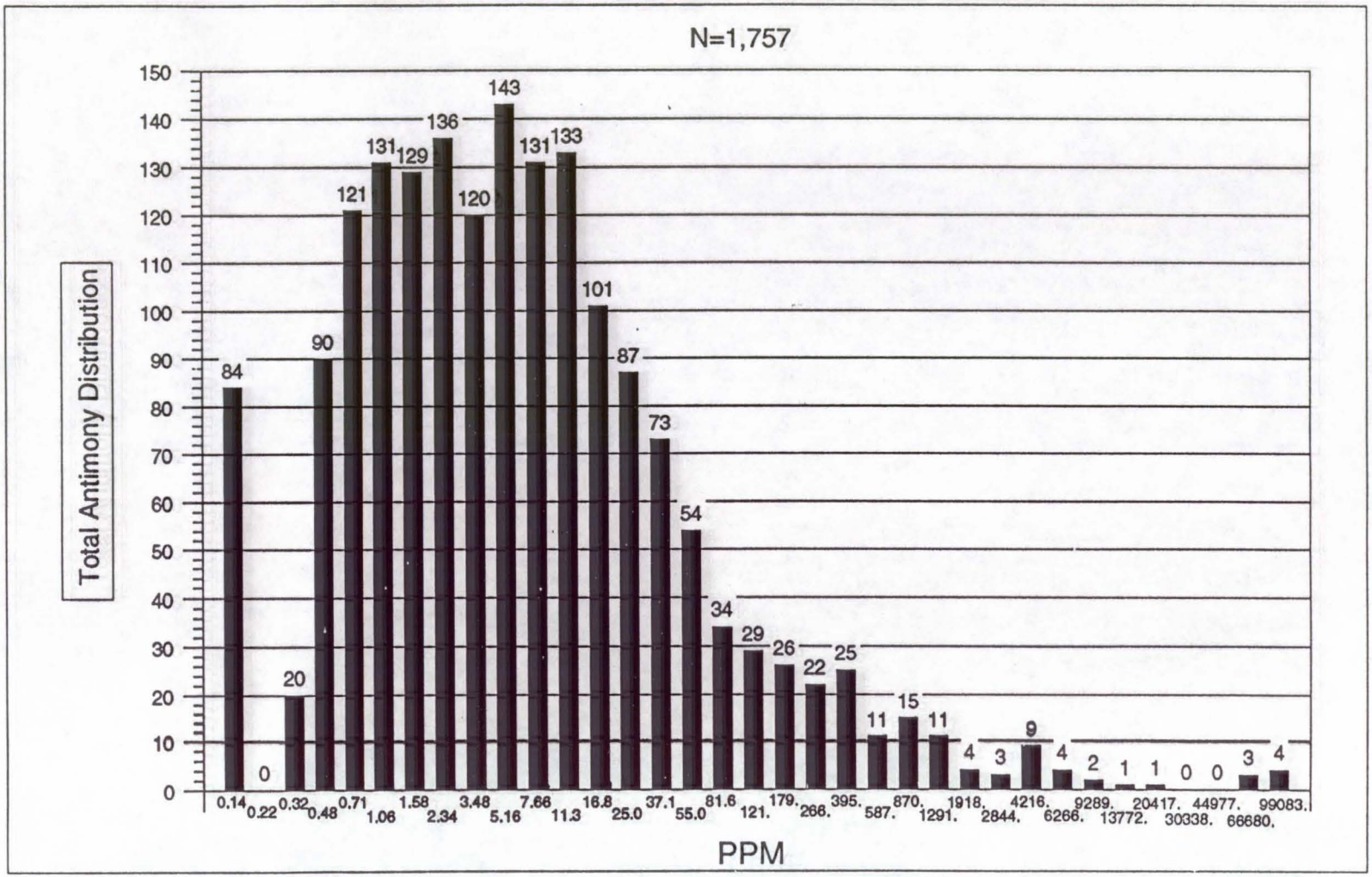

Figure B-4.- Antimony distribution

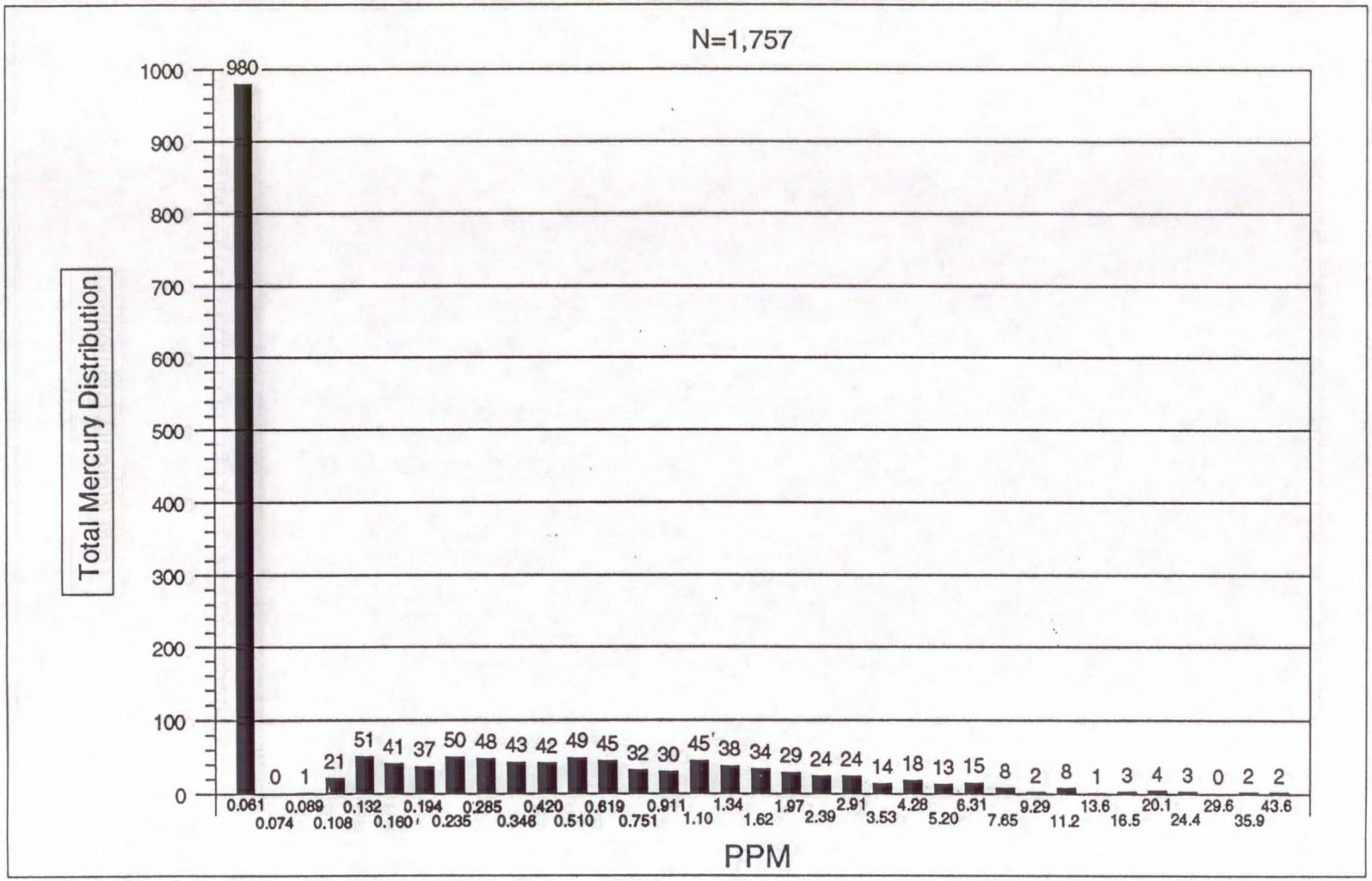

Figure B-5.- Mercury distribution

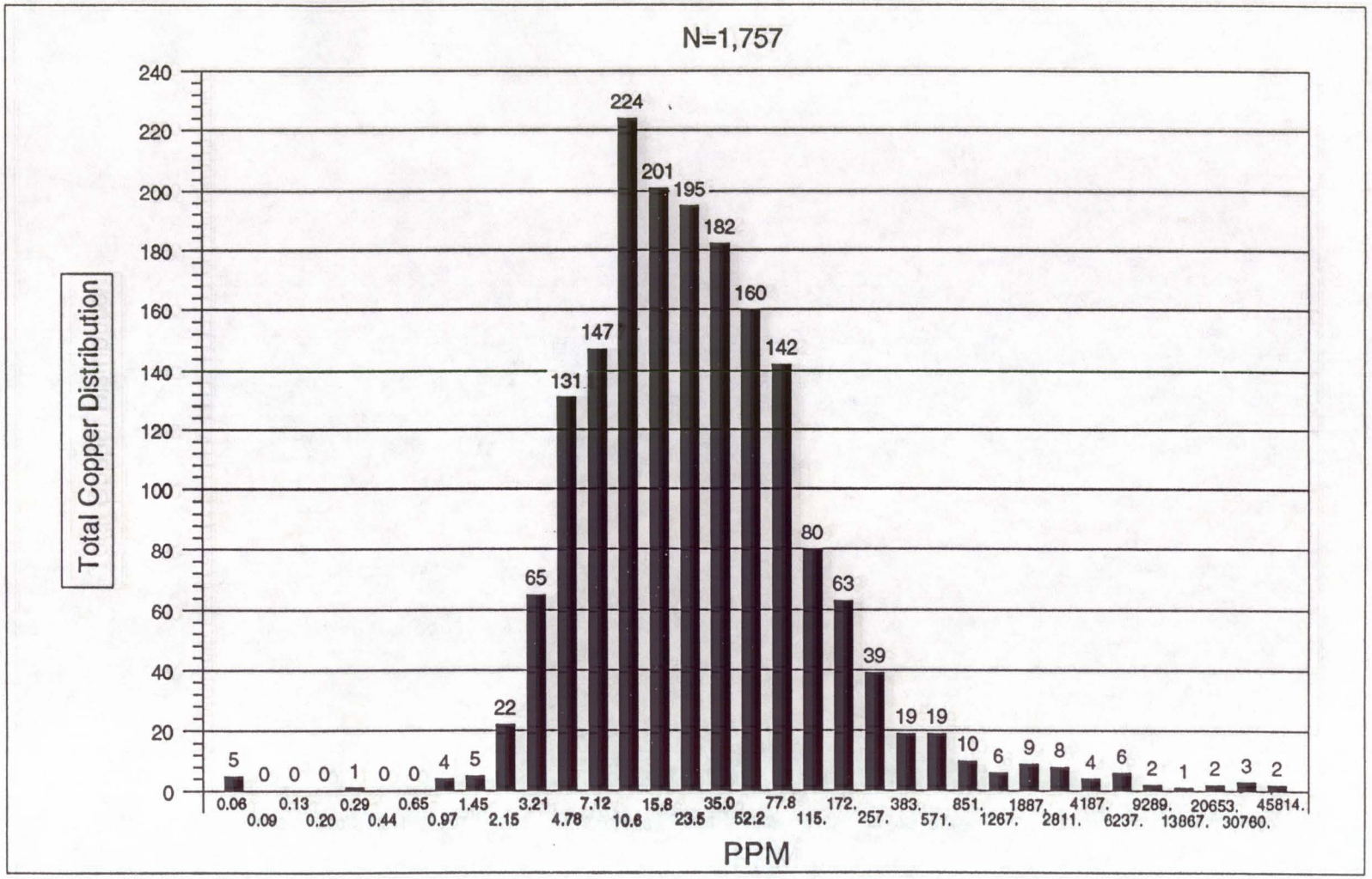

Figure B-6.- Copper distribution

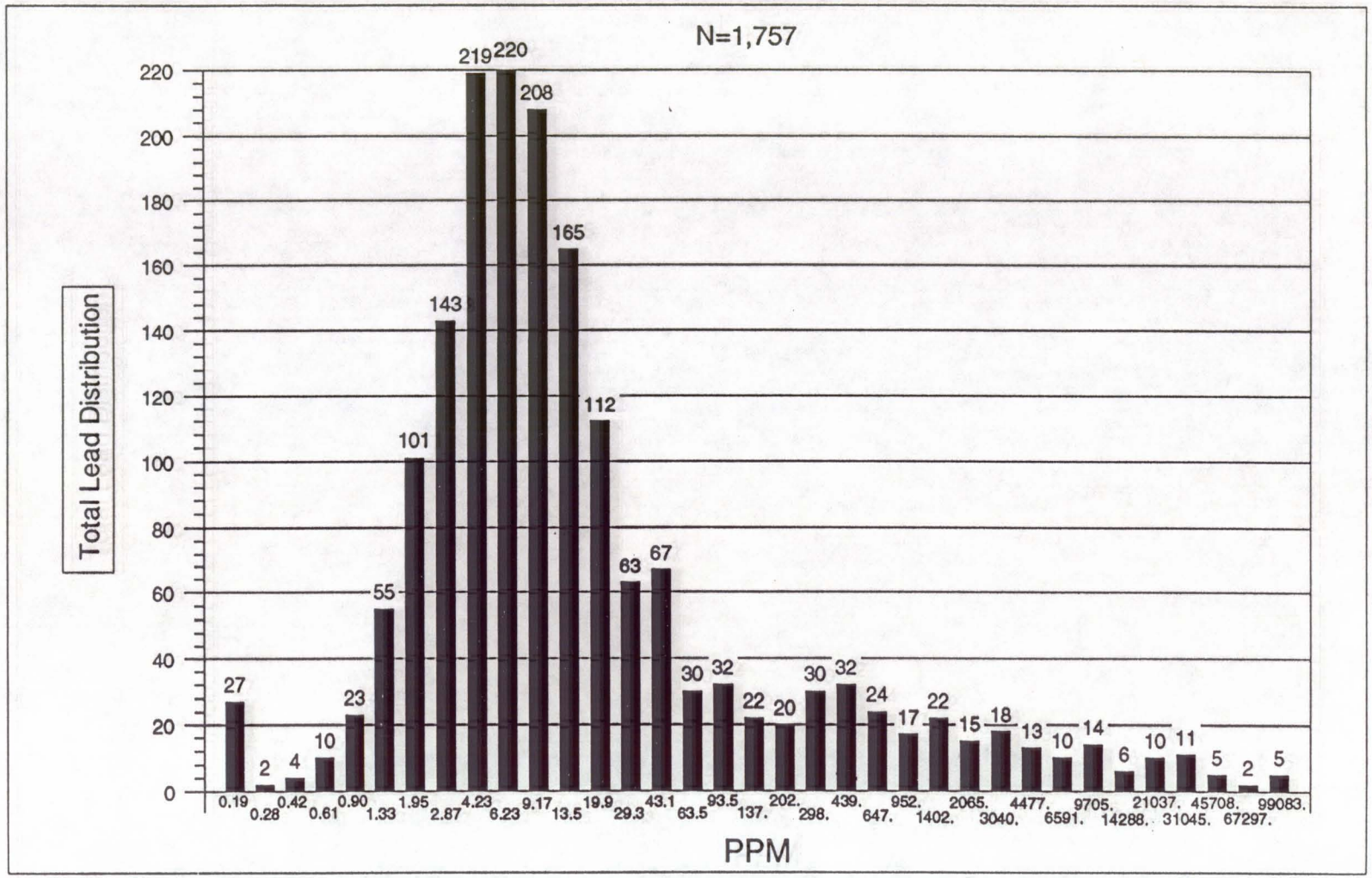

Figure B-7.- Lead distribution

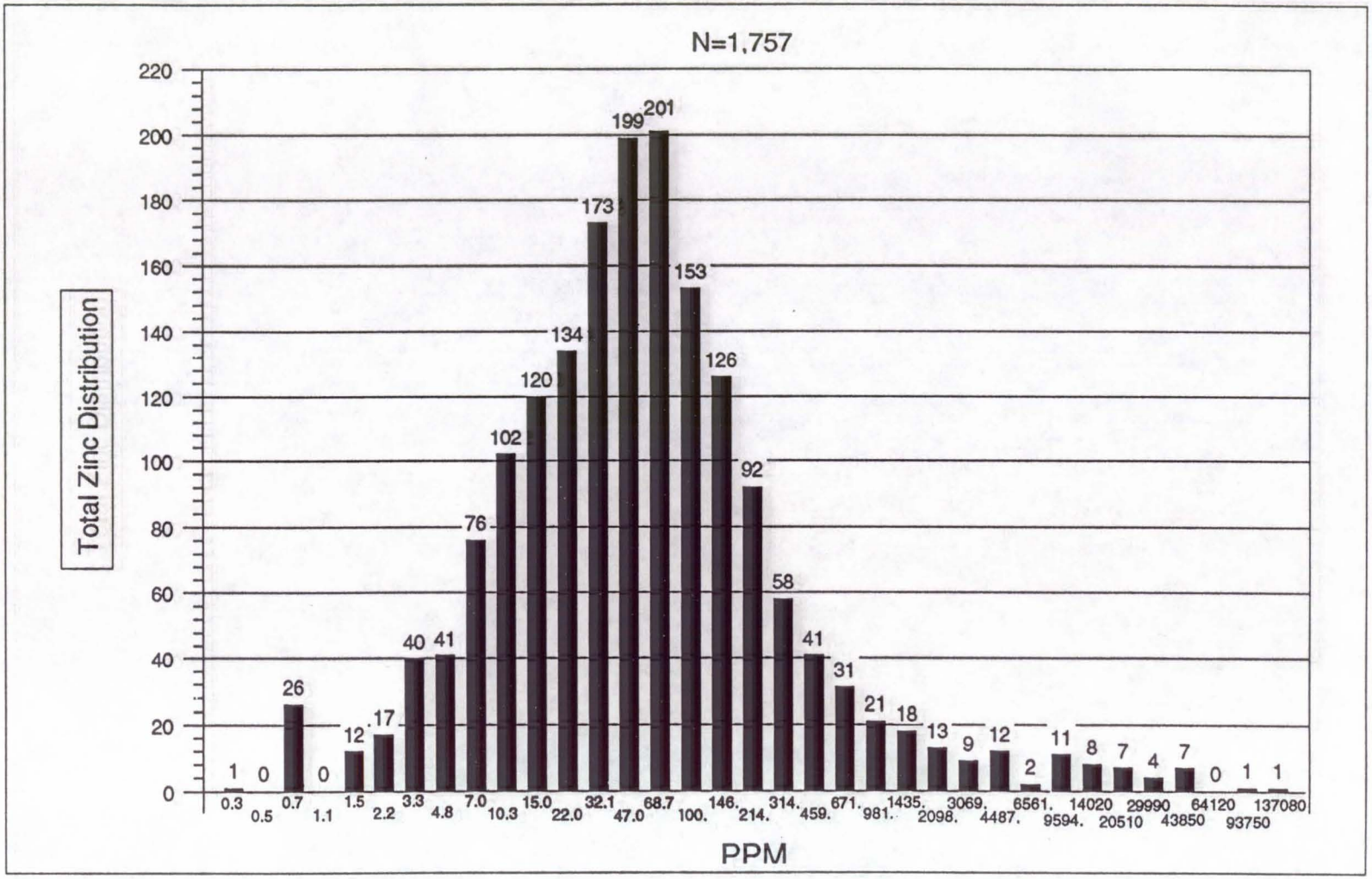

Figure B-8.- Zinc distribution

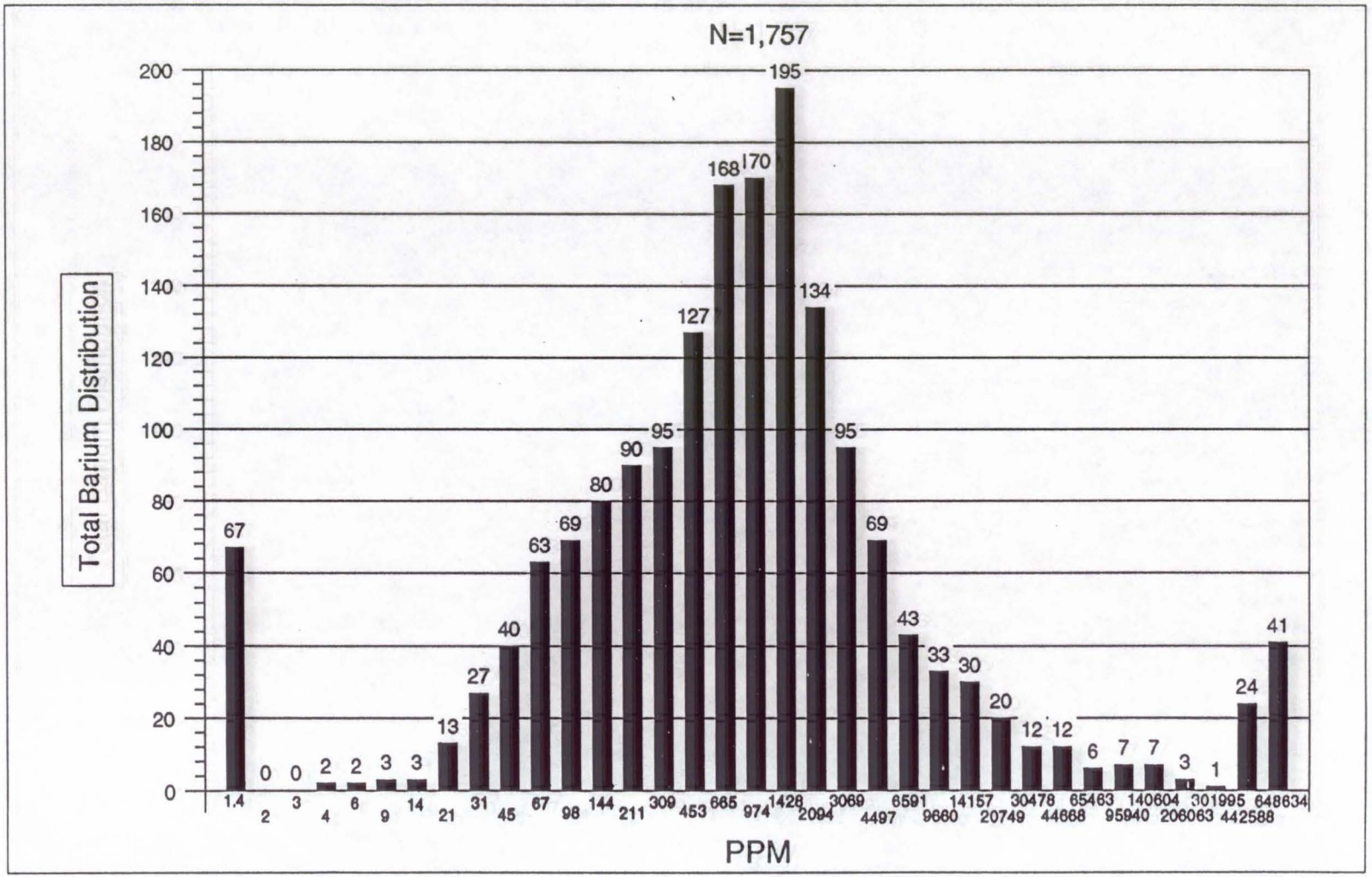

Figure B-9. Barium distribution

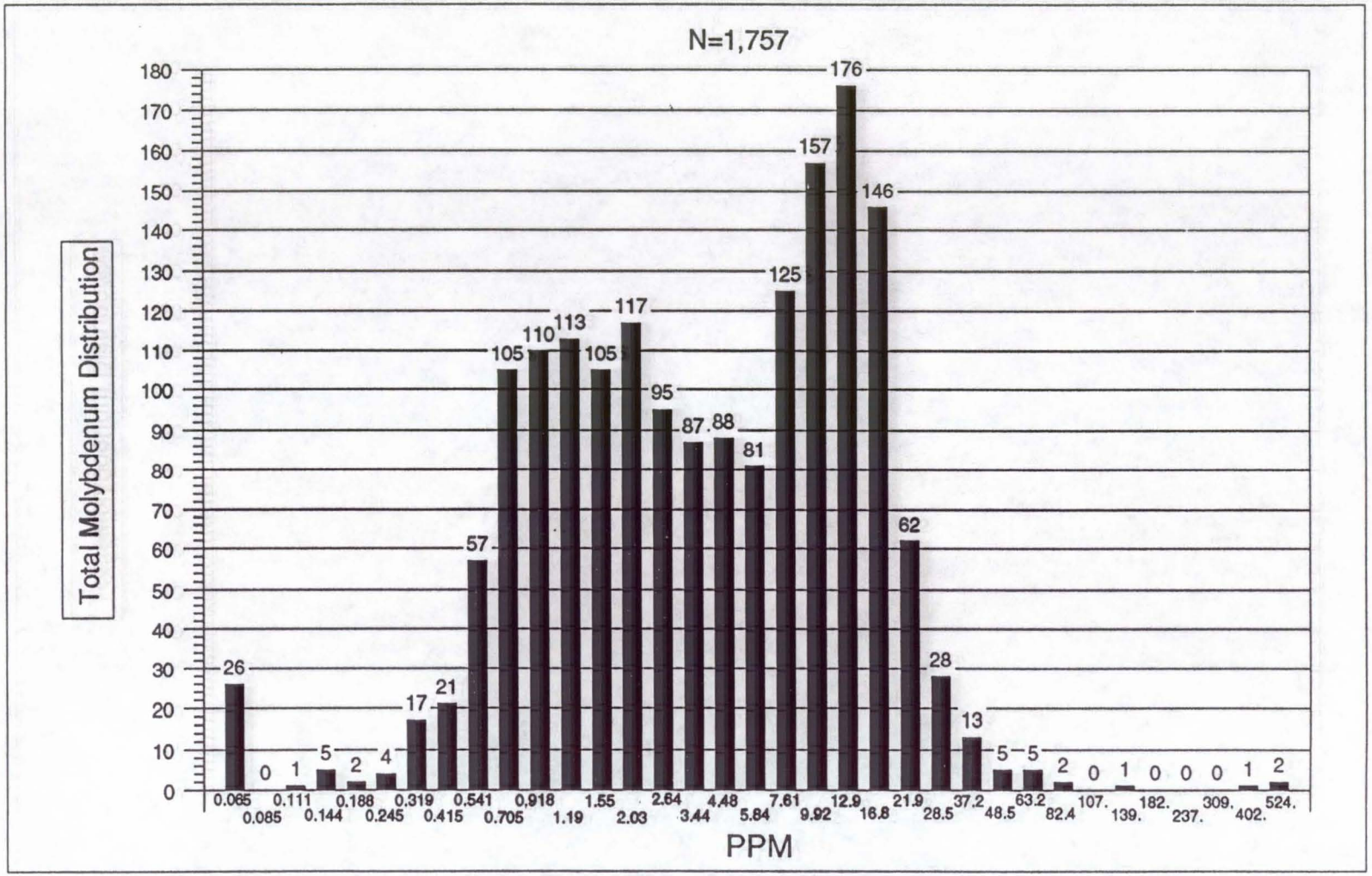

Figure B-10- Molybdenum distribution

Table B-1.--Statistical data for the Valmy Formation

Descriptive Statistics
N=559

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	150.00	1.306	0.427	10.091
As	.5000	24900.00	131.312	46.283	1093.290
Au	.0004	2.85	.020	.006	.135
Cu	.0400	30600.00	112.352	55.918	1320.892
Mo	.0500	70.90	9.290	.352	8.314
Pb	.1300	697.00	13.640	2.233	52.740
Sb	.1000	79365.00	386.589	207.836	4909.502
Zn	.5000	68300.00	215.112	122.643	2897.068

Spearman Rank Correlation Matrix
N=559

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.212	1.000							
Au	.518	.303	1.000						
Cu	.535	.336	.431	1.000					
Hg	.295	.530	.287	.225	1.000				
Mo	.227	.248	.107	.205	.384	1.000			
Pb	.554	.441	.455	.559	.282	.196	1.000		
Sb	.362	.706	.404	.335	.535	.309	.447	1.000	
Zn	.339	.314	.299	.666	.074		.456	.255	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-2.--Statistical data for the Schoonover Formation

Descriptive Statistics
N=284

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	1147.00	5.332	4.085	68.722
As	.5000	3583.00	79.893	18.464	310.616
Au	.0004	16.90	.148	.081	1.367
Cu	.2400	5940.00	60.967	21.094	354.851
Mo	.2890	67.00	6.511	.371	6.242
Pb	.1300	848.00	18.603	4.278	71.963
Sb	.1000	1798.00	16.174	6.531	109.876
Zn	.2300	1099.00	67.562	6.272	105.510

Spearman Rank Correlation Matrix
N=284

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.459	1.000							
Au	.382	.384	1.000						
Cu	.163		.285	1.000					
Hg	.272	.537	.174		1.000				
Mo						1.000			
Pb	.434	.237	.143	.368	.110	-.221	1.000		
Sb	.536	.739	.331	.193	.644		.375	1.000	
Zn	.198		.234	.625		-.228	.496	.143	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-3.--Statistical data for the Prospect Mountain Quartzite

Descriptive Statistics
N=161

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	329.00	8.212	2.338	29.575
As	.5000	13600.00	290.185	95.161	1203.701
Au	.0004	77.20	3.466	.784	9.915
Cu	1.0000	2915.00	95.069	24.515	310.086
Mo	.0500	16.80	2.761	.285	3.598
Pb	1.4100	23400.00	1037.738	207.861	2629.250
Sb	.1000	472.00	26.596	5.053	63.915
Zn	.5000	4776.00	154.296	47.248	597.639

Spearman Rank Correlation Matrix
N=161

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.650	1.000							
Au	.797	.524	1.000						
Cu	.823	.635	.676	1.000					
Hg	.376	.476	.416	.394	1.000				
Mo						1.000			
Pb	.837	.551	.739	.795	.402		1.000		
Sb	.644	.831	.510	.674	.550	.170	.579	1.000	
Zn	.609	.434	.522	.688	.341		.649	.460	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-4.--Statistical data for the Prospect Mountain Quartzite
Au <0.501 ppm

Spearman Rank Correlation Matrix
N=94

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.548	1.000							
Au	.347	.240	1.000						
Cu	.527	.562		1.000					
Hg		.423	.319		1.000				
Mo				.192		1.000			
Pb	.558	.434	.363	.585			1.000		
Sb	.340	.759		.459	.517	.199	.283	1.000	
Zn	.360	.400		.526			.479	.255	1.000

Prospect Mountain Quartzite Au <0.101 ppm

Spearman Rank Correlation Matrix
N=76

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.535	1.000							
Au			1.000						
Cu	.482	.478		1.000					
Hg		.298			1.000				
Mo						1.000			
Pb	.488	.391	.193	.570			1.000		
Sn	.321	.713		.411	.378		.237	1.000	
Zn	.375	.408		.482			.500	.222	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-5.--Statistical data for the Porter Peak Limestone and Edgemont Formation, or equivalent rocks

Descriptive Statistics
N=151

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	1551.00	104.588	20.445	250.40
As	.9500	3577.00	135.830	29.827	365.30
Au	.0004	65.40	1.324	.545	6.67
Cu	.7200	45800.00	1289.824	475.200	5819.99
Mo	.0500	525.00	14.307	4.688	57.17
Pb	2.4700	99010.00	6766.104	1480.172	18128.33
Sb	.1000	3537.00	228.715	46.874	574.08
Zn	4.6000	137000.00	4215.589	1086.700	13309.31

Spearman Rank Correlation Matrix
N=151

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.536	1.000							
Au	.666	.551	1.000						
Cu	.519	.484	.569	1.000					
Hg	.597	.502	.334	.304	1.000				
Mo	.420	.340	.475	.287	.226	1.000			
Pb	.844	.450	.486	.225	.591	.448	1.000		
Sb	.821	.643	.494	.553	.603	.396	.688	1.000	
Zn	.810	.467	.594	.531	.495	.464	.701	.744	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-6.--Statistical data for Van Duzer Limestone

Descriptive Statistics
N=103

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	2071.00	63.903	27.558	278.325
As	.5000	2169.00	189.477	35.650	360.046
Au	.0004	4.60	.107	.059	.596
Cu	2.7800	5339.00	218.784	70.760	714.638
Mo	.4580	62.30	6.062	.808	8.161
Pb	.1300	15500.00	429.258	187.088	1889.495
Sb	.1000	99010.00	1144.860	963.227	9728.112
Zn	7.4200	6826.00	267.108	76.840	776.044

Spearman Rank Correlation Matrix
N=103

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.488	1.000							
Au	.456	.614	1.000						
Cu	.581	.541	.484	1.000					
Hg	.227	.218	.220	.254	1.000				
Mo	.304	.328	.207	.397	.185	1.000			
Pb	.728	.431	.324	.388	.310	.222	1.000		
Sb	.695	.591	.431	.599	.336	.319	.540	1.000	
Zn	.495	.591	.408	.561	.244	.228	.502	.326	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-7.--Statistical data for the Aura Formation

Descriptive Statistics
N=96

	Min.	Max.	Mean	Std. Err.	Std. Dev.	Skewness	Kurtosis
Ag	.0670	1098.00	83.877	22.183	216.213	3.106	9.401
As	.5000	4586.00	223.670	59.434	579.295	5.197	33.016
Au	.0004	46.60	.806	.494	4.817	8.846	82.140
Cu	.0400	11200.00	451.777	156.734	1527.658	4.774	26.356
Mo	.0500	36.90	2.915	.520	5.065	3.838	19.989
Pb	1.8000	34000.00	2458.438	696.505	6788.690	3.359	10.928
Sb	.1000	10000.00	451.106	157.906	1539.074	4.239	19.259
Zn	4.8100	37800.00	2066.510	674.778	6576.926	4.275	18.798

Spearman Rank Correlation Matrix
N=96

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.440	1.000							
Au	.623	.619	1.000						
Cu	.621	.293	.377	1.000					
Hg	.585	.251	.312	.446	1.000				
Mo	.339	.589	.413	.210		1.000			
Pb	.885	.409	.540	.508	.516	.443	1.000		
Sb	.716	.655	.552	.462	.515	.533	.681	1.000	
Zn	.732	.265	.340	.588	.655	.276	.735	.497	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-8.--Statistical data for the Tertiary volcanic and sedimentary rocks

Descriptive Statistics
N=96

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	16.100	.392	.174	1.699
As	.5000	279.000	14.363	4.004	39.027
Au	.0004	.103	.003	.001	.012
Cu	1.8500	187.000	13.809	2.333	22.735
Mo	.2740	15.700	2.872	.286	2.785
PB	.5600	1156.000	29.211	13.172	128.388
Sb	.1000	198.000	5.600	2.347	22.801
Zn	4.8500	419.000	62.496	5.925	57.755

Spearman Rank Correlation Matrix
N=96

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.258	1.000							
Au	.498	.253	1.000						
Cu	.173	.367	.270	1.000					
Hg		.359			1.000				
Mo		.298	.196			1.000			
Pb	.472	.207					1.000		
Sb	.627	.487	.310		.235		.413	1.000	
Zn	.243		.197	.626			.263		1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-9.--Statistical data for the Mesozoic intrusives

Descriptive Statistics
N=61

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	2322.00	133.223	53.104	411.35
As	.5000	1707.00	199.278	44.184	342.25
Au	.0004	18.40	.591	.321	2.48
Cu	.0400	1608.00	77.774	28.827	223.29
Mo	.1240	15.60	4.280	.630	4.88
Pb	.1300	44700.00	1179.559	753.459	5836.27
Sb	.1000	96154.00	1683.401	1575.980	12207.49
Zn	2.8200	14200.00	391.809	234.352	1815.28

Spearman Rank Correlation Matrix
N=61

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.557	1.000							
Au	.866	.596	1.000						
Cu	.494	.405	.462	1.000					
Hg	.226	.441	.283	.404	1.000				
Mo	.373		.289			1.000			
Pb	.736	.324	.597	.558	.251	.264	1.000		
Sb	.757	.693	.663	.567	.426		.642	1.000	
Zn	.525	.373	.448	.652	.424		.651	.640	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-10.--Statistical data for the Roberts Mountain Formation

Descriptive Statistics
N=51

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	.98	.257	.033	.235
As	.5000	263.00	42.586	8.255	58.371
Au	.0004	.99	.071	.025	.178
Cu	.7100	67.00	13.769	1.905	13.472
Mo	.1420	23.60	4.495	.655	4.634
Pb	.4500	40.10	6.064	.846	5.985
Sb	.1000	45000.00	1217.848	929.349	6571.487
Zn	1.5500	363.00	81.663	11.331	80.121

Spearman Rank Correlation Matrix
N=51

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As	.494	1.000							
Au	.355	.500	1.000						
Cu	.693	.508		1.000					
Hg	.243	.701	.420	.278	1.000				
Mo	.545	.517	.256	.526	.375	1.000			
Pb	.510	.655		.687	.331	.540	1.000		
Sb		.528	.353	.270	.636	.456	.373	1.000	
Zn	.719	.545	.255	.787	.346	.612	.678	.276	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-11.--Statistical data for the Hanson Creek Formation

Descriptive Statistics
N=40

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0080	3.34	.289	.100	.63
As	1.3300	474.00	50.619	16.281	101.67
Au	.0010	.42	.040	.012	.07
Cu	.0400	16.50	7.018	.663	4.14
Mo	.2750	19.20	4.216	.749	4.68
Pb	.9500	30.30	4.689	.801	5.00
Sb	.4970	75200.00	2086.500	1879.180	11735.47
Zn	5.9500	315.00	67.571	11.215	70.03

Spearman Rank Correlation Matrix
N=40

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
AS	.446	1.000							
Au		.544	1.000						
Cu	.486	.482		1.000					
Hg		.526	.404	.349	1.000				
Mo	.445	.433		.441	.280	1.000			
Pb	.573	.765	.476	.536	.560	.531	1.000		
Sb	.285	.652	.450	.289	.413	.586	.523	1.000	
Zn	.628	.480	.360	.380	.334	.561	.596	.509	1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-12.--Statistical data for the Chellis and Storff Formations

Descriptive Statistics
N=37

	Min.	Max.	Mean	St. Err.	Std. Dev.
Ag	.0390	92.700	2.808	2.498	14.990
As	2.5300	522.000	76.823	16.567	99.400
Au	.0004	.082	.008	.003	.016
Cu	1.8700	2807.000	164.756	99.596	597.574
Mo	.3490	12.600	3.500	.465	2.788
Pb	1.8000	9493.000	286.821	256.126	1536.755
Sb	.3710	3516.000	106.026	94.848	569.086
Zn	9.6600	756.000	77.329	21.422	128.532

Spearman Rank Correlation Matrix
N=37

	Ag	As	Au	Cu	Hg	Mo	Pb	Sb	Zn
Ag	1.000								
As		1.000							
Au	.547		1.000						
Cu	.412	.447	.412	1.000					
Hg					1.000				
Mo						1.000			
Pb	.288	.447	.592	.475			1.000		
Sb	.272	.739		.426	.407		.429	1.000	
Zn	.343	.482	.362	.440		-.288	.275		1.000

Blank means that the confidence level for significance of the value was less than 90%.

Table B-13.--Anomalous values for gold, silver, arsenic, and antimony by geologic formation.

Rock Types and Formations	Gold (anomalous ppb)	Silver (anomalous ppm)	Arsenic (anomalous ppm)	Antimony (anomalous ppm)
Van Duzer Limestone	15	2.5	100	40
Schoonover Formation	15	0.4	35	12
Valmy Formation	15	0.4	50	40
Aura Formation	35	1.0	100	45
Porter Peak Limestone and Edgemont Formation (or equivalent rocks)	50	1.6	55	40
Prospect Mountain Quartzite	50	1.8	65	12
All other formations and rock types	20			40

APPENDIX C.--Resource Definitions and Calculation Methods

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RESOURCE DEFINITIONS

Resource estimates were made when possible and classified according to the following definitions (U.S. Bureau of Mines and U.S. Geological Survey, 1980)

Resource.--A concentration of naturally occurring solid, liquid, or gaseous material in or on the Earth's crust in such form and amount that economic extraction of a commodity from the concentration is currently or potentially feasible.

Identified resources.--Resources whose location, grade, quality, and quantity are known or estimated from specific geologic evidence. Identified resources include economic, marginally economic, and subeconomic components. To reflect varying degrees of geologic certainty, these economic divisions can be subdivided into measured, indicated, and inferred.

Reserves.--That part of the reserve base which could be economically extracted or produced at the time of determination. The term reserves need not signify that extraction facilities are in place and operative. (For this designation the word "ore" is applicable).

Measured.--Quantity is computed from dimensions revealed in outcrops, trenches, workings, or drill holes; grade and (or) quality are computed from the results of detailed sampling. The sites for inspection, sampling, and measurement are spaced so closely and the geologic character is so well defined that size, shape, depth, and mineral content of the resource are well established.

Indicated.--Quantity and grade and (or) quality are computed from information similar to that used for measured resources, but the sites for inspection, sampling, and measurement are farther apart or are otherwise less adequately spaced. The degree of assurance, although lower than that for measured resources, is high enough to assume continuity between points of observation.

Inferred.--Estimates are based on an assumed continuity beyond measured and (or) indicated resources, for which there is geologic evidence. Inferred resources may or may not be supported by samples or measurements.

Subeconomic resources.--The part of identified resources that does not meet the economic criteria of reserves and marginal reserves.

Occurrence.--Materials that are too low grade or for other reasons are not considered potentially economic.

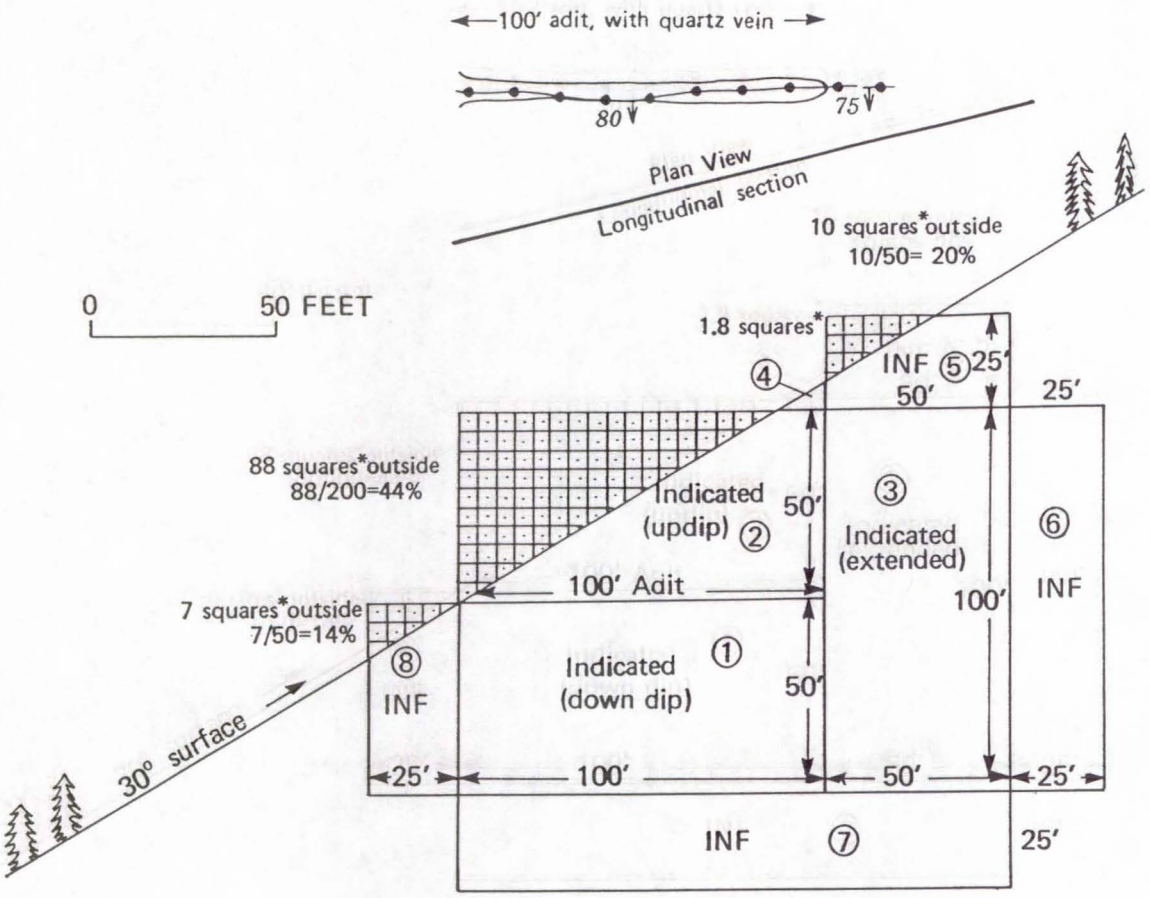
RESOURCE CALCULATION METHODS

Resource and reserve estimates for large deposits amenable to open pit mining are developed from a systematic grid of drill hole locations and assay data. Computer programs can be used; these range from simple layers of polygons to more complex calculations, such as kriging.

Resource and reserve estimates for underground operations are based on measurements and reasonable projections of structural continuity. Figure C-1 graphically presents the methods used for this study. For indicated resources, tonnage calculations were based on several assumptions: 1) that the vein or shear zone extends an additional one-half the distance of its observed strike length; 2) that the structure also extends at least one-half of its observed strike length downdip and updip (allowing for topography); 3) that the structure in the projected areas maintains a similar thickness, continuity, and grade as in the observed part; and 4) that the rock densities are essentially 12 ft^3/ton. In general, inferred resource blocks extend outward from indicated resource blocks at one-half of the size of the indicated blocks. Topography and fault or shear zones that terminate or displace mineralized structures are factored in to the estimate.

Grade calculations account for variable thicknesses of a structure at different sample sites, as well as unequal distances between sites (intervals). The summation of the structure thickness at the sample sites, times the sample interval, times the assay, all divided by the summation of the thickness times the interval equals the weighted average grade. The summation of the thickness times the intervals divided by the summation of the intervals equals the average thickness of the structure. If the sample intervals were equal, this is a simple arithmetic average.

In the example shown in figure C-1, a mineralized quartz vein is assumed to be exposed for the entire length of a 100-ft-long adit; the vein is a consistent 2.0 ft thick. A longitudinal section drawn to scale (1 in = 50 ft) shows the resource blocks. Block segments that project above the ground surface must be subtracted to arrive at resource tonnage.



INDICATED RESOURCES

①	(100') (50') (2.0') + 12 ft^3/ton = >	833 tons
②	(100') (50') (2.0') + 12 = 833 tons - 44% above ground area of rectangle = >	466 tons
③	(50') (100') (2.0') + 12 ft^3/ton = >	833 tons
		2132 tons

INFERRED RESOURCES

④	(10') (4.5') (2.0') + 12 = >	7.5 tons
⑤	(50') (25') (2.0') + 12 ft^3/ton = 208 tons - 20% above ground area of rectangle = >	166 tons
⑥	(25') (100') (2.0') + 12 = >	416 tons
⑦	(150') (25') (2.0') + 12 = >	625 tons
⑧	(25') (50') (2.0') + 12 = 208 tons - 14% above ground area of rectangle = >	179 tons
		1393 tons

This adit has 3500 tons (2100 + 1400) of indicated and inferred resources

* The squares refer to graph paper, where one square inch contains "100 squares" in this example.
This method is shown for simplicity only; the areas are generally solved mathmatically.

Figure C-1. A typical resource calculation example.

APPENDIX D.--Mineral Economics

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MINERAL ECONOMICS

The profitability of a mining operation is determined by a diverse set of factors and relationships. In general, the size and geometry of an ore body and its location and mineral character will determine which mining and recovery methods will yield the greatest net return. The following sections focus primarily on open pit gold mines and heap leach recovery systems which are the principal current (1990) methods used in the Independence Range study area.

Deposit and Mine Sizes

A classification of deposit sizes was derived from data on 100 active mines, mostly surface gold mines, in Nevada. The 25 smallest mines average 600,000 tons of 0.083 oz/ton gold. Similar sized underground mines range from 0.2 to 0.5 oz/ton gold or equivalent. Medium and large mines contain from 1 to 10 million tons and from 10 to 100 million tons, respectively. The large mines have a wide range, but average 40 million tons. Nevada currently has two world-class mines, Gold Quarry and Round Mountain; each has about 250 million tons of reserves that contain 0.032 and 0.042 oz/ton gold, respectively. The Betze/Post mine, southwest of the study area, is expected to become Nevada's third world-class sized mine. In the Independence Range study area, the Wood Gulch mine is classified as small; the Big Springs and Jerritt Canyon mines are large.

Surface-mineable gold deposits are extremely variable in size and shape; most are elongate and tabular. For illustrative purposes, one acre of ground (208.7 ft square or 43,560 ft^2), 280 ft deep would contain 1 million tons at a rock density of 12 ft^3/ton.

Mining Factors

Once a resource has been identified and reserves quantified (tonnage and grade) an appropriate mine and mill design is chosen. Each property has a unique set of factors that determine its economic viability. Some important mining factors include:

1) Deposit location, size, geometry, and relation to topography.
2) Character and competency of the ore and host rocks.
3) Deposit geology, structure, grade, and depth.
4) Mining method, rate, and type of machinery.
5) Access, transportation requirements, and location of mine to mill.
6) Type of existing or new mill facilities.
7) Metallurgical amenability.
8) Availability of power and water.
9) Labor and financial considerations.
10) Weather conditions.
11) Market and managing skills, including foreign/domestic competition.
12) Commodity(s) price.
13) Environmental/reclamation requirements.

These mining factors are discussed in greater detail in the 1989 MINING

Annual Review (see Wills, B. A., 1989, p. B63-B85).

Information from several dozen Nevada mines were used to approximate break-even ore grades at specific commodity prices. In general, ore with a value of about $4.00/ton for surface mines and $100/ton for underground mines would just return costs incurred during production (break-even). Table D-1 illustrates the approximate amounts of the various commodities required for an operation to break even. Break-even ore grades are lowest for the largest mines, particularly those with a deposit size of 1 million tons or more. These costs were especially valid for gold, copper, lead, and zinc operations. It is important to note that the wide variability of mining factors and commodity price will greatly influence the actual amount of a given commodity needed for an economic operation, and, therefore, table D-1 should be viewed as a rough guideline only. While not all the commodities shown are likely to be developed within the study area, these values can be used as a guide to the significance of values shown in Appendix A. For some commodities, market demand is more than met as by-products from production of other metals (e.g., cadmium from zinc, or production of tellurium from copper).

Surface Mines

In 1985, Nevada had about 30 major mines, mainly open pit gold mines, containing about 560 million tons of ore (Lowe and others, 1985). By 1990, reserves had more than tripled at existing and new mines. In 1988, the Jerritt Canyon mine was ranked as the third largest mine in the nation; in 1989 it was seventh, and in 1990, thirteenth. (Lucas, 1988, p. 433; Randol Mining Directory, 1990, p. 43). "Stepout" exploration, based on geologic projection, has played a major role in finding additional reserves at many mines. Figure D-1 illustrates the effect that successful satellite deposit discoveries have had on reserves and production at both Jerritt Canyon and Big Springs.

An analysis of capital and cash operating cost comparisons for 35 selected Nevada gold mines indicates: 1) 1- to 10-million-ton mines have capital costs of $1 to $5 million, and 2) 10- to 50-million-ton mines have capital costs of $10 to $100 million. Operating costs for most of these mines were about $200/oz gold; several highly efficient mines can operate at costs near $100/oz, but some mines have expenses in the $300/oz range. The lowest grades reportedly mined for millable ore and leachable ore were 0.02 and 0.01 oz/ton gold, respectively, at a gold price of $400/oz. These cutoff grades were consistent with the break-even data presented in table D-1.

Costs for open pit copper mines are very similar to the costs for open pit gold mines. Copper mines in the Southwest that operate profitably on ores as low as 0.3% copper at 60¢/lb are able to mine and break even one-half this grade at current price levels of over $1.20/lb (see table D-1). There are no open pit lead-zinc mines operating in the lower 48 states.

Efficient, selective methods of open pit mining have largely reduced waste-to-ore dilution. It is likely that this technology will be extended

Table D-1.--A comparison of commodity prices and grades required to return investment

Commodity	Commodity Price[1] (1990) $/troy oz	Commodity Price[1] (1990) $/lb	Break-Even Grade: Open Pit mine ($4/ton) oz	lbs	%	ppm	Break-Even Grade: Underground mine ($100/ton) oz	lbs	%
Silver	5.00		0.80			27.43	20		
Gold	380.00		0.01			0.36	0.26		
Copper		1.23		3.25	0.16	1,626		81.30	4.07
Lead		.46		8.70	0.43	4,348		217.39	10.87
Antimony		.83		4.82	0.24	2,410		120.48	6.02
Zinc		.75		5.33	0.27	2,667		133.33	6.67
Barite ($BaSO_4$)		.02		200.00	10.00	100,000		NA	NA[2]
Sulfur (elemental)		.04		100.00	5.00	50,000		NA	NA
Tungsten (W)		2.46		1.63	0.08	813		40.65	2.03
Manganese		.18		22.22	1.00	10,000		555.56	28.00
Graphite (Amorphous)		.05		80.00	4.00	40,000		2,000.00	100.00

[1] Commodity prices are obtained from U.S. Bureau of Mines, 1991.

[2] Not applicable.

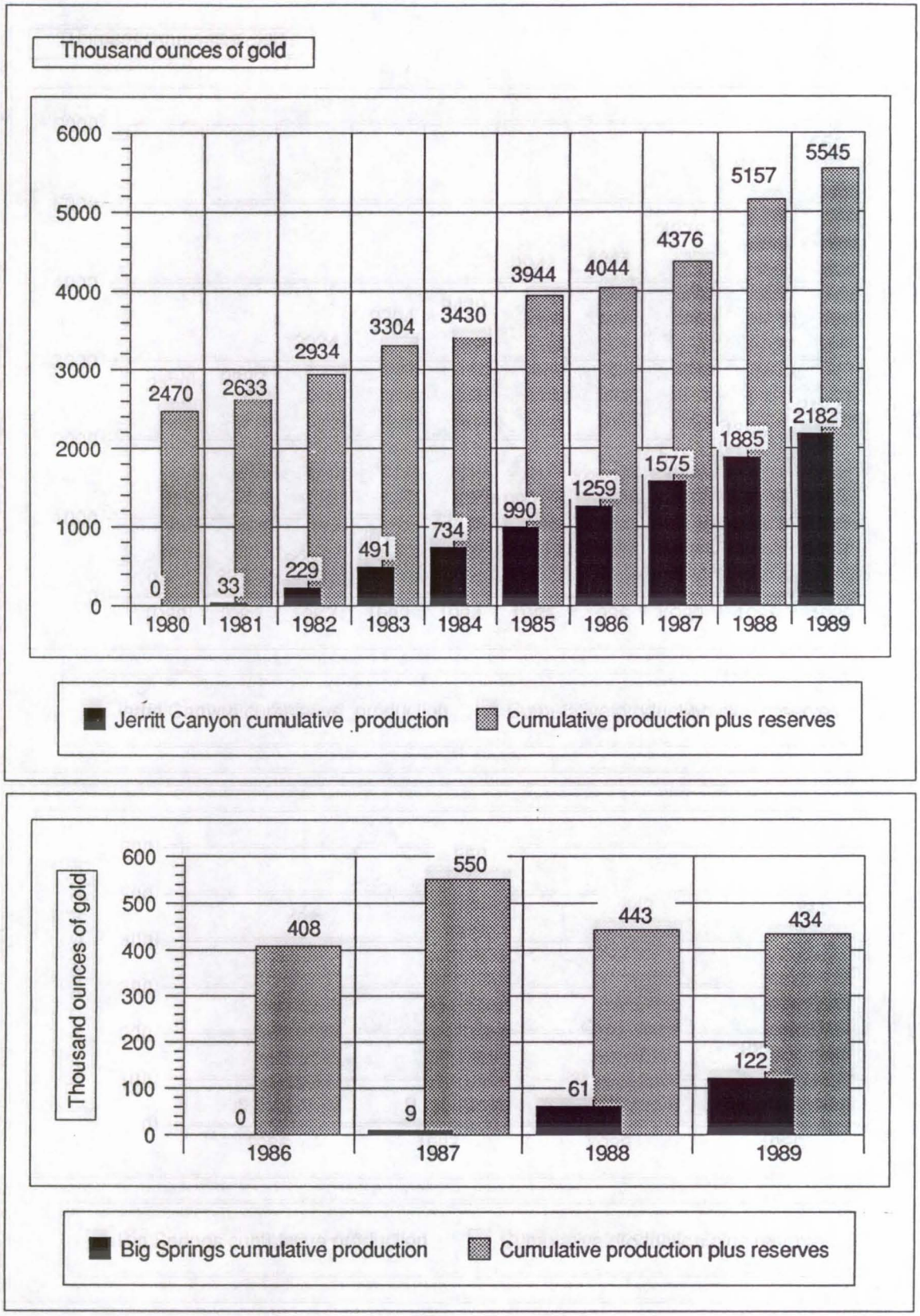

Figure D-1. - Production/reserves comparison for Jerritt Canyon and Big Springs mines.

to mining close-spaced structures or veins formerly minable only by underground methods. Conversely, as stripping ratios make open pit mining at greater depth uneconomic, emphasis will likely shift from open pit mining to large-scale underground mining where ore grades permit.

Underground Mines

Small underground operations without complex ores generally can operate profitably on a 100,000-ton deposit with metal recoveries from $100.00 to $150.00/ton. An equivalent metal grade[1] would be about 0.25 oz/ton gold, at $400/oz. A typical example is the Bagdad mine near Phillipsburg, Montana. A 116,000-ton quartz vein deposit averages 0.63 oz/ton gold and 3.68 oz/ton silver. Its production costs are $106.50/ton for mining and $17.00/ton for milling at facilities 25 mi distant. Production rate is 200 tpd (The Mining Record, June 15, 1988, and September 28, 1988; Northern Miner, March 28, 1988). Currently (1990) there is only one small underground operation in the Independence Range study area, the Big Four mine.

Medium to large sized underground mines are capital intensive and often require extensive development prior to actual mining. An economy of scale makes it possible to process lower grade ores than in smaller operations. A comparison of eight U.S. gold mines indicates a deposit range of 300,000 to 19 million tons and a grade range of 0.10 to 0.368 oz/ton gold. The average grade for these operating small to large sized underground mines is 0.209 oz/ton gold.

Production costs at large underground lead-zinc-silver mines in the U.S. are comparable to the overall costs for the gold mines. Two selected medium sized mines have 1- and 3.5-million-ton deposits with combined lead-zinc grades of about 13%. One deposit also contains 2.5 oz/ton silver. In both cases the net metal values are about $150.00/ton. These grades compare well with the break-even data in table D-1 in that these mines are operating at a profit.

Metallurgy

Leachable Ores

Disseminated, micron-sized free gold and oxidized gold ores are the simplest and least expensive ores to process. A simple one-step cyanidation process is used to strip metals from rocks. After primary crushing, ore is normally stacked in heaps on impermeable liners and sprinkled with a sodium cyanide solution. Gold and silver dissolve in the solution which is drained from the depleted ore and sent to a recovery system. Reagents other than cyanide have been tested, but with less satisfying results (Eisele and others, 1988). High clay-content ores were once considered refractory. Pelletizing this type of ore by agglomeration

[1]Equivalent metal grade is the value of all recoverable precious or base metals that is equal to the value recovered from a certain rock-grade of gold.

has resulted in much higher recoveries from uniform percolation of cyanide leach solutions (Heinen and others, 1979; McClelland and Eisele, 1982; McClelland and others, 1983).

Millable Ores

Historically, ore containing medium- to coarse-grained free gold has been crushed and its metal recovered by gravity methods, commonly followed by cyanide treatment, amalgamation with mercury, or smelting. Some oxide ores are also treatable by these conventional processes.

For polymetallic ores where metals are chemically combined with sulfur, a flotation process is used to concentrate metals (Wills, 1989, p. B77). Historically, some ores were open-air roasted, releasing large amounts of toxic sulfur gases. Practice of this rapid oxidation process was environmentally unacceptable and short-lived. Flotation technology uses a froth created in water by various reagents to selectively float or depress sulfide minerals from a slurry of finely ground rock. These sulfide concentrates are sent to a smelter for metal recovery.

For large-tonnage mines with disseminated gold, mills may be constructed after heap leach operations have depleted oxidized ores. An example is the Big Springs mine in the northern Jerritt Canyon district. Mills are utilized to extract gold and silver from refractory ores, those that are unresponsive in varying degrees to heap leach or other conventional extraction processes. The unresponsive, or refractory ore types include mixed sulfide-oxide, sulfide, and carbonaceous rocks. In a typical mill, gold ore is ground, oxidized, and treated with a sodium cyanide solution. Gold and silver that dissolve in the solution are either adsorbed by introduced carbon or separated from depleted rocks while still in solution. The waste rock ends up in tailings pond containments and the gold-loaded solution or carbon is stripped and reused.

New mines have benefitted from advancements in processing technology such as: 1) more efficient grinding equipment that uses less power; 2) greater recoveries with less reagents; 3) recovery and reuse of certain by-products such as sulfuric acid (see Randol Mining Directory, 1990, p. 38-41). Newer methods of oxidizing ores, including 1) fluid-bed roasting; 2) pressure oxidation (autoclaves); 3) elevated temperature or pressure cyanidation; 4) chlorination; 5) nitric acid; and 6) bacteria leaching ("gold bugs") have allowed mining of previously unprofitable ore. Each of these processes has advantages; some ores may require more than one oxidizing method.

Carbonaceous refractory ores have been tested using reagents that render the fossil active carbon incapable of adsorbing gold. This testing has met with little success (Thompson, 1989, p. 11). Currently some of the oxidation methods, such as chlorination, are used to treat these ores. A new technique with promise is the coal-gold agglomeration method. Blobs of a petroleum mixture are contacted with gold particles in a slurry and absorbed, much like the action with mercury. Particle size is not restricted, cyanide and carbon are not used, and chemical equilibriums are

not critical. This system appears to work best with low sulfide content ore (House and others, 1988).

All of the above-mentioned improvements lead towards simpler, smaller, energy-capital-time efficient mills that reduce overall environmental impacts and increase profitability. Mills that have been or are currently being developed for deposits in the Independence Range study area include gravity, flotation, vat leach, chlorination, fluid-bed roasting, carbon-in-leach, and carbon-in-pulp.

Recovery

Mercury and cyanide have been the two most important traditional means of recovering gold and silver. Mercury forms an amalgam with gold and silver and was commonly used in gravity concentrators to collect fine-grained particles. The use of mercury has declined as it is difficult to contain and has long lasting environmental impacts. Cyanide solutions, which dissolve gold and silver, are relatively easy to contain and can be easily detoxified; cyanide leaching is currently the primary gold-extracting process.

Loaded cyanide solutions are stripped of metals by either the time-tested Merrill-Crowe zinc precipitation method or by activated carbon-electrowinning processes. The Merrill-Crowe system is faster and generally less expensive. Activated carbon is an efficient beneficiation step where the gold is adsorbed from low-grade solutions and then redissolved in caustic cyanide. The gold-loaded carbon can be smelted, but it is generally less expensive to regenerate and reuse both cyanide and carbon (Castle, 1989, p. B97). The electrowinning system is gaining wider use (Chamberlain and Pojar, 1984, p. 12) and has the advantage of selective metal recovery. Problems associated with mercury are also avoided with this method (Morris, 1977; Sheya and others, 1988).

Smelting is the most common method of obtaining gold bullion from concentrates, residues, cathode accumulations, or metal-loaded carbon that are produced by the various extractive processes. Contained metals are separated and purified by refineries (Hinds and Trautman, 1983).

Mining Impacts

Mine and mill models were developed for deposits likely to be mined in the Independence Range study area during the next 12 years. More than 20 percent of the 14,610 people in the Elko County, Nevada, labor force were involved in mining in 1988. Total taxable sales in the county in 1988 were almost $300 million. Known and proposed new mines or expansions could add 1,000 to 1,500 new mining jobs. This increased mining activity would have a ripple effect on the increase of other mining-related and service jobs in the community, as well as an increased need for housing, schools, and transportation.

Capital and operating costs were estimated for two operating gold properties, one developing gold property, and one deposit likely to be

developed. The estimated capital and operating costs and associated taxes and revenues generated are aggregated for the four mine/mill models, as some information used from individual deposits is proprietary. All estimates are in 1990 dollars.

For each deposit model, mining and processing systems in use or most applicable were selected on the basis of company data or from other U.S. deposits currently in production or in the planning stage. All costs were calculated using the following information sources:

1) Company data
2) Mining Cost Service (Western Mine Engineering, 1989)
3) Cost Reference Guide for Construction Equipment (Dataquest, Inc., 1989)
4) Richardson Rapid System (Richardson Engineering Services, Inc., 1984)
5) Means, Building Construction Cost Data (Mahoney, 1989)

The four deposits contain known reserves and resources exceeding 37 million tons with grades ranging from 0.054 to 0.25 troy ounces gold per ton. Three deposits are or would be mined using open pit methods; stripping ratios range from 5:1 up to 10.3:1. The one underground mine would use traditional cut and fill mining.

The two operating properties are open pit mines. One processes 7,000 tpd with about half the production being roasted and leached and the other half undergoing cyanide leach, chlorine oxidation, carbon-in-leach, and zinc precipitation. The other treats about 1,050 tpd with about 680 tons being roasted and leached and the remaining ore being heap leached. For the developing open pit mine, a 2,000 tpd heap leach system will be used to treat ore. A 722 tpd gravity/flotation plant will treat ore from the underground mine. All deposits operate 360 days per year.

Table D-2 summarizes the aggregated capital and annual operating costs for the four deposits. For the operating properties, capital costs include expenditures back to 1985. For developing properties, capital costs are assumed expended during 1990 and 1991. Operational mine life ranges from a minimum of 5 years of additional production to a maximum of 12 years. Should these four projects proceed as outlined above, more than $100 million would be spent on construction materials and capital equipment in the categories listed in Table D-2. Part of this would come from local supplies and the remainder from outside the region. During the development phase, employee earnings would total $20.1 million. Annual operating expenses for equipment and supplies would total about $65 million, mostly through local distributors. During the operational phase, annual employee earnings would total nearly $60 million. All labor totals include a 32% burden (employer taxes plus employee benefits).

Gross revenues over the next 12 years (including some silver credits and a fixed gold price of $400/oz) for these four deposits (table D-2) would total $1.8 billion. Taxes paid during the same time period would total $19.4 million in property tax, $18.0 million in Nevada State proceeds of mine tax, and $123.9 million in Federal income tax.

Table D-2.--Combined capital and operating costs of four mine/mill models

Item	Capital Costs	Total Cost
Construction labor		$ 20,098,000
Design fees		13,432,000
Permits		11,193,000
Bonds		1,800,000
Working capital		13,516,000
Sand and gravel		4,244,000
Fuel		2,246,000
Repair parts		1,560,000
Lubricants		556,000
Steel items		2,390,000
Tires		8,444,000
Explosives		4,767,000
Steel pipe		7,983,000
Plastic pipe		1,029,000
Plastic liners		660,000
Metal fences		127,000
Structures		861,000
Lumber		212,000
Electrical		10,548,000
Transmission line		4,563,000
Fabric ducting		104,000
Concrete		2,177,000
Structural steel		796,000
Insulation		285,000
Maintenance equipment		272,000
Furnishings		1,756,000
Instruments		2,342,000
Process equipment		21,464,000
Mobile equipment		7,608,000
Freight		1,890,000
Sales tax		2,922,000
Total		$ 151,846,000

Item	Annual Operating Costs	Total Cost
Labor		$ 59,805,000
Electric power		4,585,000
Repair parts		15,769,000
Fuel		11,595,000
Propane		197,000
Lubricants		5,342,000
Tires		6,182,000
Steel		3,160,000
Explosives		6,507,000
Reagents		9,533,000
Plastic liners		1,349,000
Plastic pipe		718,000
Steel pipe		23,000
Lumber		203,000
Concrete		616,000
Sales tax		3,821,000
Total		$ 129,405,000

APPENDIX E.--Production Data

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Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		CENTENNIAL (BULL RUN) MINING DISTRICT	
		Aura (Columbia) subdistrict	
Aura King mine (Blue Bird group) (AM group)	37 (3)	In 1905-1907 and 1918, 229 tons reported[2/]. Nine tons of gold ore shipped before 1942. Copper assays were 1.3% to 1.8%. Gold assay unknown.	U.S. Bureau of Mines
Aura Queen mine	33 (3)	In 1948, 1958, and 1963, 7 tons reported[2/].	do..
Big Four mine[4/] (Pay Day)	32 (3)	In 1908, 1912-1919, 95 tons reported[2/]. Intermittent past and current (1989) producer of silver ore processed by vat leach cyanidation. Adit is about 700 ft long and the ore averages about 15 oz/ton silver and 0.03 oz/ton gold[2/].	U.S. Bureau of Mines; Decker (1962, p. 33); Randol Mining Directory (1990, p. 238); and Phil Heater, Tuscarora, Nevada, 1989 personal communication
Columbia[5/] (Columbia-Infidel	31 (3)	In 1940, 50 tons reported[2/].	U.S. Bureau of Mines
Columbia Queen mine (Bonanza Queen)	30 (3)	Operated by and supplied silver ore to the Columbia mill in the late 1870's. Stopes and underground samples indicate a maximum of 100 tons of 1 to 10 oz/ton silver produced.	U.S. Bureau of Mines (1989)
Estella nos. 1 and 2 (Protection or Maggie Creek placer)	45 (1)	In 1936-1937, 94 yd^3 was reported from drift mining in Maggie Gulch by Williams, Smith, and Riley (ssh)[2/6/].	U.S. Bureau of Mines
Golden Eagle mine (Rescue)	26 (3) 46 (1)	In 1907, 1912, 1974, 1976, 25 tons reported. The 1914 J. McClay (ssh)[6/] Maggie Creek placer operation data is withheld[2/].	do..

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		Aura (Columbia) subdistrict--Continued	
Keystone (Pittsburg)	15 (3) 31 (1)	In 1934, 57 tons reported[2/].	U.S. Bureau of Mines
Polaris mine	25 (3) 49 (1)	Supplied silver ore to Columbia mill. USBM 1989 examination indicates 100 to 500 tons produced.	Granger (1957, p. 52)
Rainbow Consolidated placer (on Blue Jacket Creek)	35 (3)	A dam and a race provided water under pressure to process material from a 300-ft-long trench around 1900 to 1905. Production is assumed small.	Johnson (1973, p. 13) and 1989 USBM data
Sheridan Creek Placer	50 (3)	Several hundred cubic yards of gravel were processed in sluice boxes about 1906. Little, if any, gold was produced.	Johnson (1973, p. 13) Emmons (1910, p. 71)
		Blue Jacket (White Rock) subdistrict	
Palo Alto placer group (White Rock)	30 (1) 16 (3)	The Palo Alto placers are patented. W. Higgenbotham worked the White Rock claim(s) by ssh[6/] in 1907[2/].	
Blue Ribbon[7/] mine (Ried)	14 (3)	Produced 19 tons antimony ore in 1940[2/].	U.S. Bureau of Mines
Burns mine[8/] (White Rock mine, Alta mine, Alta Vista claim group)	42 (3)	Records indicate intermittent production from this mine from 1922 to 1964, and continuous from 1966 to 1971. Incomplete smelter receipts and other data show that 338.55 tons contained 6.5 oz gold, 8,516.21 oz silver, 1,653 lbs copper, 73,198 lbs lead, and 24,797 lbs zinc. The White Rock mine produced at least 521 tons[2/]. A small amount of tungsten was produced nearby.	1943, 1944, and 1953 USBM data and Peter D. Sherer, Boise, Idaho, 1989, unpublished data

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		Blue Jacket (White Rock) subdistrict--Continued	
California mine (California and Revenue)	39 (3)	Supplied silver ore to Columbia mill in late 1870's. USBM examination in 1989 indicates 300 tons maximum from both properties. Thirty-nine tons was produced in 1947[2/].	Emmons (1910, p. 74) and U.S. Bureau of Mines
Blue Jacket mine	22 (3) 65 (1)	According to a June 1876 payroll statement, 345 tons processed in the Blue Jacket mill averaged $38.40 per ton gold and silver. Bullion shipped was $12,219.90 with $157.50 on hand. A July 1885 statement listed 4 bars of bullion containing a total of 236.11 oz gold and 256.88 oz silver. Total production was estimated at $1.6 million, mostly in silver.	1989 USBM data and P. D. Sherer, Boise, Idaho, 1989 unpublished data
Jackpot mine (Esperanza, Eagle Rock, Torbin Hill nos. 1-10)[9/]	23 (3) 66 (1)	Produced in 1908, 1912, 1913, 1933, 1936, 1937. Sixty tons of ore was amalgamated for gold and silver with unsatisfactory results.	U.S. Bureau of Mines and Emmons (1910, p. 78)
Pioneer (Pioneer claim group)	21 (3)	A small shipment was packed out by mules in 1870's to 1880's. Nine tons were hand sorted by Blewitt brothers in 1918. Fifty-six tons of low grade were shipped in 1940; 17 tons in 1941.	U.S. Bureau of Mines
Tiger Lode (in Alta Vista claim group)	43 (3)	High-grade silver ore from 5 cuts contained $40,000 in silver, which was packed by mules to mills in Mountain City, Nevada. USBM samples from the cuts contained as much as 45 oz/ton silver.	Emmons (1910, p. 74) and USBM data

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		Edgemont (Echo Canyon) subdistrict	
Bull Run mine	48 (3)	Produced 17,040 tons in 1902, 1903, and from 1932 to 1942[2/].	U.S. Bureau of Mines
Echo Canyon mine	44 (3)	Produced 495 tons from 1934 to 1939 and 1950 to 1952[2/].	do..
Edgemont mine[10/]	47 (3)	Produced 106 tons from 1951 to 1958[2/].	do..
Lucky Boy[10/]	47 (3)	Produced 53 tons in 1912, 1916, 1917, 1941, 1942, and 1949[2/].	do..
Lucky Girl[10/11/]	47 (3)	Produced 143,344 tons from 1902 to 1909 and in 1937[2/].	do..
Montana Lucky Girl[10/]	47 (3)	Produced 460 tons in 1911 and 1914[2/].	do..
Big Four (Lucky Girl)[10/12/]	47 (3)	Produced 95 tons in 1908, 1912, 1913, from 1915 to 1917, and in 1919.	do..
		Lime Mountain (Cornucopia, Deep Creek) subdistrict	
Lime Mountain mine	51 (3) 104 (1)	Intermittent production from 1918 to 1942 yielded 29,284 tons[2/]. Also known as Cornucopia, Eldorado, La Plata, Liberty, and Williams[13/].	do..
		MOUNTAIN CITY (COPE) MINING DISTRICT	
Mountain City mine (New Yorkey's; Alberta claim group)	3 (3) 7 (1)	Produced several hundred thousand dollars from a 5-ft-thick silver-bearing quartz vein in the early 1870's.	Emmons (1910, p. 84) and Granger (1957, p. 120)
Mountain Laurel (Mount Laurel)	7 (3) 25 (1)	Produced 363 tons in 1940-1941[2/].	U.S. Bureau of Mines

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		MOUNTAIN CITY (COPE) MINING DISTRICT--Continued	
Protection mine (Walker Boy)	1 (3) 1 (1)	Produced 6,225 tons in 1906, 1907, 1921, and from 1939 to 1955[2/].	U.S. Bureau of Mines
Lime Creek	13 (3)	Produced one ton in 1941[2/].	do..
Wood Gulch mine	49 (3)	Mining began in late 1983 and ended in late 1989. The small open pit mine produced an estimated 34,900 oz gold and 70,000 oz silver. Mine life total for production was 55,776 oz gold and 212,480 oz silver.	Randol Mining Directory (1990, p. 256); Society of Economic Geologists Newsletter (April 1990)
		Rio Tinto subdistrict	
Rio Tinto mine	5 (3)	Produced 1,359,150 tons from 1931 to 1982[2/].	U.S. Bureau of Mines
		Van Duzer-Cobb Creek subdistrict	
Cobb Creek[14/] (Estella, Excelsior placer)	10 (3)	Production from 1934 to 1949 was withheld. G. Markert, owner and operator[2/].	do..
Best Chance[14/]	10 (3)	Production was from 300 yd^3 in 1954 by R. Williams in sec. 20, T. 45 N., R. 53 E[2/].	do..
Estella[14/]	10 (3)	Production was from 12,850 yd^3 from 1948 to 1951 by R. Onstott, Tricky Gold Dredging Company (dragline method)[2/].	do..
Excelsior[14/]	10 (3)	The 1920 production was withheld. Operator, W. Anderson, using hydraulic methods[2/].	do..

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		Van Duzer-Cobb Creek subdistrict	
MPM Mining Company	9, 10 (3)	A dragline mined 60,000 yd^3 from Van Duzer and Cobb Creeks in 1948 from the streams and tailings[2/].	U.S. Bureau of Mines
Big Springs and Last Strike	37 (1)	Claims worked in 1942 and 1945 by B. Reed using ground sluice methods[2/].	do..
Gold Bug (Charlotte)	37 (1)	Claim worked by A. Harris in 1905 and 1907 using hydraulic methods, and by J. Jolly in 1913-1914 (ssh)[6/]. In 1939 Harris used ssh[2/].	do..
Gold Star	37 (1)	G. Irland processed 4,050 yd^3 from 1937 to 1939 (ssh)[2/6/].	do..
King Fisher[15/]	37 (1)	Production was not recorded by W. Anderson in 1921 (ssh)[6/2/].	do..
Nevada	37 (1)	K. Jensen and K. Nelson mined 13,225 yd^3 in 1937-1938 using ssh[6/] and a dragline[2/].	do..
Poorman[15/]	37 (1)	C. Woodward worked the claim in 1917[2/].	do..
"Smith Diggins"	37 (1)	W. Smith-Van Duzer Placer Mining Company used hydraulic methods in 1905. J. Riodan used hydraulic methods in 1922, and H. Irland processed 300 yd^3 in 1948 by ssh[6/2/].	do..
Silver Cougar	37 (1)	G. Mason and R. Fort processed 400 yd^3 in 1940. Assays reported 903 fine gold and 890 fine silver[2/].	do..

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		Van Duzer-Cobb Creek subdistrict--Continued	
Van Duzer Gold Dredge	9, 10 (3)	Morrison-Knudsen Co. and MPM Mining Company mined 664,000 yd^3 on the Poorman claim group from 1940 to 1942 and in 1947 by dredge and dragline.	U.S. Bureau of Mines
		JERRITT CANYON MINING DISTRICT	
Arana claims (Cal claims; Jerritt Canyon project)	58 (3)	An estimated 1 to 1,000 tons of barite produced.	Papke (1984, p. 50-54)
*B.D. claims (W.P. claims) (Jerritt Canyon project)	72 (3)	As much as 25,000 tons of barite mined.	do..
*Big Knob	70 (3)	As much as 25,000 tons of barite mined by Old Soldier Mining Co. in 1974-1975.	do..
Black Beauty nos. 1-12 (Jerritt Canyon project)	68 (3)	About 10,000 tons of sulfur-bearing shale was shipped from 1954 to 1967 to be used as a soil conditioner.	USFS (1984) Elko County, Nevada
Burns Basin Antimony mine (Jerritt Canyon project)	66 (3)	Eighty tons of 30% to 60% antimony was shipped in 1944. This mine produced at least 48,000 lbs of antimony from quartz veins and silicified rocks[2/].	U.S. Bureau of Mines
*Fantastic mine	71 (3)	In 1979, 20,000 tons of barite of 4.0 to 4.16 specific gravity was mined.	Dresser Industries (1981) unpublished data

Table E-1.--Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

Property	Property No. (Plate No.)	Summary	Data Source[3/]
		JERRITT CANYON MINING DISTRICT--Continued	
Hidden Hills mine (Jerritt Canyon project)	57 (3)	4,349 tons of barite of an unknown specific gravity.	Imco Services (1978) unpublished data
Jerritt Canyon mine[16/]	59-62 (3) 137 (1)	2,181,312 oz gold have been recovered from 10,930,365 tons of ore from 1981 to 1989. Average grade was 0.219 oz/ton. Average gold recovery has been more than 90 percent.	Freeport-McMoRan Gold Company, 1988 and 1989 annual reports
*Pie Creek claims (AA claims and North Sun) (Jerritt Canyon project)	73 (3)	1,000 to 25,000 tons of barite produced.	Papke (1984, p. 52-54)
*Questionable claims (W. T. claims) (Jerritt Canyon project)	74 (3)	As much as 25,000 tons of barite produced.	do..
*Ruff nos. 1-5 (L.B. claims)	75 (3)	3,000 tons of barite was mined from 1977 to 1982. Specific gravity was 4.15.	Dresser Industries (1982) unpublished data
Snow Canyon mine	56 (3)	20,349 tons of barite was mined. Specific gravity was 4.01 to 4.23.	Dresser Industries (1980) unpublished data
Big Springs (MacRidge North Sammy Creek South Sammy Creek)	52-54 (3)	121,600 oz gold has been produced from about 1.4 million tons of ore averaging an estimated 0.13 oz/ton.	Freeport-McMoRan Gold Company, 1988 and 1989 annual reports

Table E-1. Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

1/ This table was compiled from many sources. It does not reflect: a) amounts not reported; b) amounts reported but kept confidential; c) amounts from mines known to be in the study area, but with unconfirmed locations; and d) unqualified estimates.

2/ Proprietary information withheld to avoid disclosing single source information.

3/ Information sources not listed in the Reference section are available at the USBM, Western Field Operations Center, in Spokane, Washington.

4/ This property has current (1989) silver production recovered by vat leaching, but data is unavailable from the owner. The property is not to be confused with the Big Four mine in the Edgemont subdistrict.

5/ Columbia and Infidel are adjoining patented properties.

6/ (ssh) or small-scale hand methods. The use of hand tools such as picks, shovels, and gold pans, and the use of sluice boxes, rockers, and long toms were employed to work gravel to recover gold.

7/ This mine produced 13,566 lbs of antimony (Sb) from quartz veins.

8/ The Burns mine is the best known property within a large group of claims known as Alta Vista claim group, which has had annual assessment work from at least 1936 to 1990. The Alta Vista claim group was known as White Rock(s) mines in 1936. The Silver Wonder and Blue Grouse claims are also part of this group. USBM records indicate 93 lbs of tungsten (W) was recovered from a 6-ton shipment to the Getchell, Nevada, smelter in 1953. It is possible that some production credited to the Burns mine during the 1960's and 1970's may have come from a nearby property, the Blue Jacket mine. The Tiger Lode is an 1870's claim that is also included in the Alta Vista group.

9/ The Jackpot mine was known as Eagle Rock in the 1930's and claimed as Torbin Hill nos. 1-10 in the 1980's.

10/ Edgemont, Lucky Boy, Lucky Girl, Montana Lucky Girl, and Big Four are all part of the same patented property.

11/ An unknown amount of production from nearby Big Bob property (patented) was included with the Lucky Girl. The mill for both of these properties was located on the Big Bob property.

Table E-1. Production data from lode and placer deposits in or near the Independence Range special study area[1/]--Continued
(*, outside study area)

12/ This property is not to be confused with the Big Four mine in the Aura (Columbia) subdistrict.

13/ The operator's name was used; the claim name was apparently not known when reported to USBM.

14/ Cobb Creek, Best Chance, Estella, and Excelsior claims were essentially all within the same stream segment of Cobb Creek. The MPM Mining Company also operated on parts of these claims. These are historic claim names. Area now covered by Orvana project.

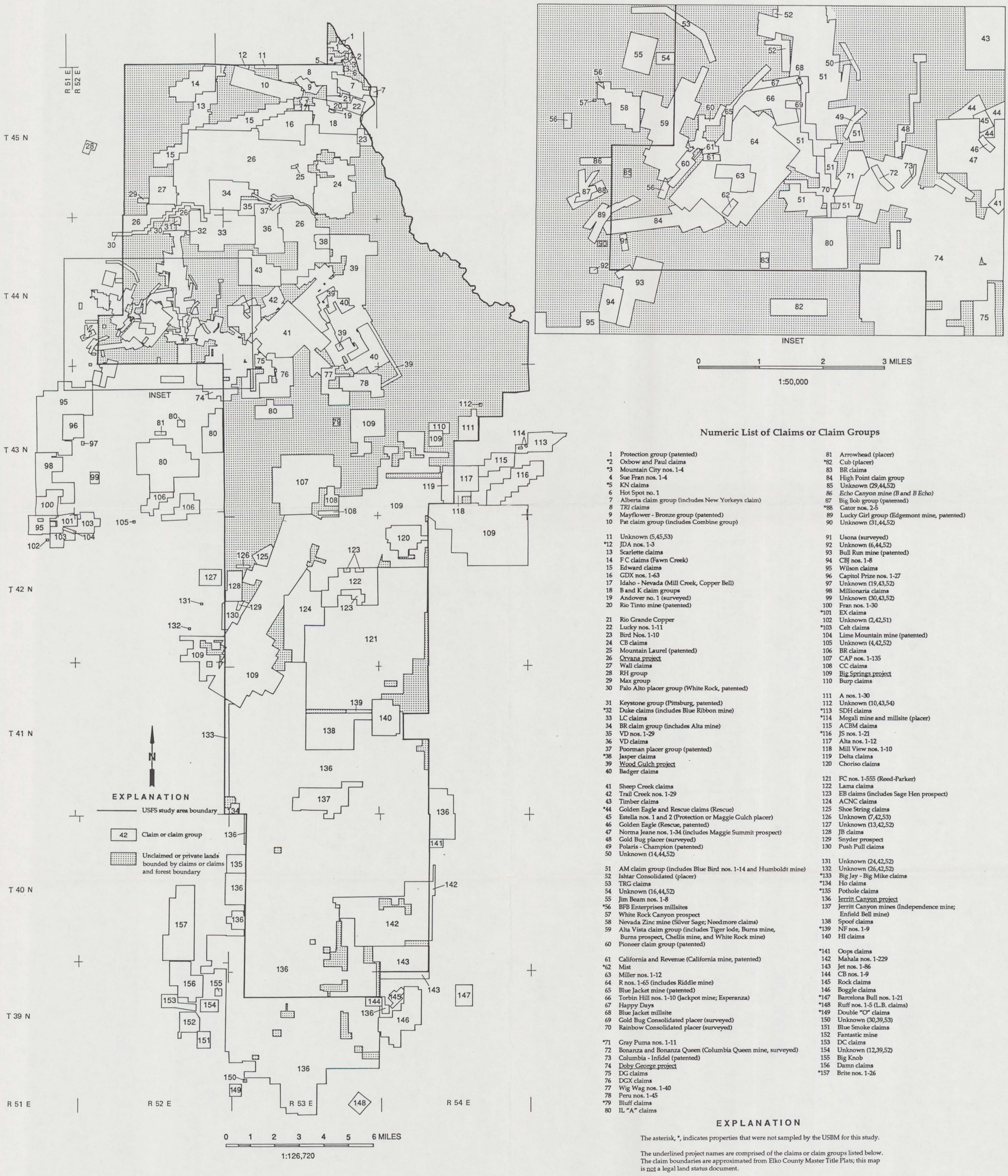
15/ Most of the mining was on the patented ground on Van Duzer Creek known as the Poorman group. This property consisted of the following claims: Nome, Green Horn, Midnight, King Fisher, and Poorman. This property was located in 1893 by W. T. Smith. The "Smith Diggins" is this same property.

16/ The Jerritt Canyon mine (Bell mine, Enfield Bell mine) includes West Generator Hill, North Generator Hill, Marlboro Canyon, and Alchem ore deposits. Minorco purchased these holdings in March 1990 and renamed it the Independence mine.

Plate 1.--A 1972 to 1989 composite claim map of the Independence Range, Nevada, special study area

Plate 2.--Location map, showing USBM lode and placer sample sites

Plate 3.--Location of selected mines and millsites in the Independence Range special study area



Numeric List of Claims or Claim Groups

1 Protection group (patented)
*2 Oxbow and Paul claims
*3 Mountain City nos. 1-4
4 Sue Fran nos. 1-4
*5 KN claims
6 Hot Spot no. 1
7 Alberta claim group (includes New Yorkeys claim)
*8 *TRI claims*
9 Mayflower - Bronze group (patented)
10 Pat claim group (includes Combine group)

11 Unknown (5,45,53)
*12 JDA nos. 1-3
13 Scarlette claims
14 F C claims (Fawn Creek)
15 Edward claims
16 GDX nos. 1-63
17 Idaho - Nevada (Mill Creek, Copper Bell)
18 B and K claim groups
19 Andover no. 1 (surveyed)
20 Rio Tinto mine (patented)

21 Rio Grande Copper
22 Lucky nos. 1-11
23 Bird Nos. 1-10
24 CB claims
25 Mountain Laurel (patented)
26 Orvana project
27 Wall claims
28 RH group
29 Max group
30 Palo Alto placer group (White Rock, patented)

31 Keystone group (Pittsburg, patented)
*32 Duke claims (includes Blue Ribbon mine)
33 LC claims
34 BR claim group (includes Alta mine)
35 VD nos. 1-29
36 VD claims
37 Poorman placer group (patented)
*38 Jasper claims
39 Wood Gulch project
40 Badger claims

41 Sheep Creek claims
42 Trail Creek nos. 1-29
43 Timber claims
*44 Golden Eagle and Rescue claims (Rescue)
45 Estella nos. 1 and 2 (Protection or Maggie Gulch placer)
46 Golden Eagle (Rescue, patented)
47 Norma Jeane nos. 1-34 (includes Maggie Summit prospect)
48 Gold Bug placer (surveyed)
49 Polaris - Champion (patented)
50 Unknown (14,44,52)

51 AM claim group (includes Blue Bird nos. 1-14 and Humboldt mine)
52 Ishtar Consolidated (placer)
53 TRG claims
54 Unknown (16,44,52)
55 Jim Beam nos. 1-8
*56 BFB Enterprises millsites
57 White Rock Canyon prospect
58 Nevada Zinc mine (Silver Sage; Needmore claims)
59 Alta Vista claim group (includes Tiger lode, Burns mine, Burns prospect, Chellis mine, and White Rock mine)
60 Pioneer claim group (patented)

61 California and Revenue (California mine, patented)
*62 Mist
63 Miller nos. 1-12
64 R nos. 1-65 (includes Riddle mine)
65 Blue Jacket mine (patented)
66 Torbin Hill nos. 1-10 (Jackpot mine; Esperanza)
67 Happy Days
68 Blue Jacket millsite
69 Gold Bug Consolidated placer (surveyed)
70 Rainbow Consolidated placer (surveyed)

*71 Gray Puma nos. 1-11
72 Bonanza and Bonanza Queen (Columbia Queen mine, surveyed)
73 Columbia - Infidel (patented)
74 Doby George project
75 DG claims
76 DGX claims
77 Wig Wag nos. 1-40
78 Peru nos. 1-45
*79 Bluff claims
80 IL "A" claims

81 Arrowhead (placer)
*82 Cub (placer)
83 BR claims
84 High Point claim group
85 Unknown (29,44,52)
*86 *Echo Canyon mine (B and B Echo)*
87 Big Bob group (patented)
*88 Gator nos. 2-5
89 Lucky Girl group (Edgemont mine, patented)
90 Unknown (31,44,52)

91 Usona (surveyed)
92 Unknown (6,44,52)
93 Bull Run mine (patented)
94 CBJ nos. 1-8
95 Wilson claims
96 Capitol Prize nos. 1-27
97 Unknown (19,43,52)
98 Millionaria claims
99 Unknown (30,43,52)
100 Fran nos. 1-30
*101 EX claims
102 Unknown (2,42,51)
*103 Celt claims
104 Lime Mountain mine (patented)
105 Unknown (4,42,52)
106 BR claims
107 CAP nos. 1-135
108 CC claims
109 Big Springs project
110 Burp claims

111 A nos. 1-30
112 Unknown (10,43,54)
*113 SDH claims
*114 Megali mine and millsite (placer)
115 ACBM claims
*116 JS nos. 1-21
117 Alta nos. 1-12
118 Mill View nos. 1-10
119 Delta claims
120 Choriso claims

121 FC nos. 1-555 (Reed-Parker)
122 Lama claims
123 EB claims (includes Sage Hen prospect)
124 ACNC claims
125 Shoe String claims
126 Unknown (7,42,53)
127 Unknown (13,42,52)
128 JB claims
129 Snyder prospect
130 Push Pull claims

131 Unknown (24,42,52)
132 Unknown (26,42,52)
*133 Big Jay - Big Mike claims
*134 Ho claims
*135 Pothole claims
136 Jerritt Canyon project
137 Jerritt Canyon mines (Independence mine; Enfield Bell mine)
138 Spoof claims
*139 NF nos. 1-9
140 HI claims

*141 Oops claims
142 Mahala nos. 1-229
143 Jet nos. 1-86
144 CB nos. 1-9
145 Rock claims
146 Boggle claims
*147 Barcelona Bull nos. 1-21
*148 Ruff nos. 1-5 (L.B. claims)
*149 Double "O" claims
150 Unknown (30,39,53)
151 Blue Smoke claims
152 Fantastic mine
153 DC claims
154 Unknown (12,39,52)
155 Big Knob
156 Damn claims
*157 Brite nos. 1-26

EXPLANATION

The asterisk, *, indicates properties that were not sampled by the USBM for this study.

The underlined project names are comprised of the claims or claim groups listed below. The claim boundaries are approximated from Elko County Master Title Plats; this map is not a legal land status document.

List of Claims or Claim Groups within Projects

26 Orvana project (Cobb Creek project; McCall Zone)

* BN claims
* Brad Scott nos. 1 and 2
CB nos. 1-48 (includes Silver King mine)
CC nos. 1-365 (includes Estella, Excelsior placers, Golden Chariot nos. 1-6, and Lime Creek adit)
* GM nos. 1-21 and fractions
* Horseshoe nos. 1-6 (Hope; Owyhee)
* Jessica nos. 1-4
* Kelli claims
* Margaret nos. 1-6
"O" claims nos. 1-69 (includes Mountain Laurel)
* Rita nos. 1-11
* Staci nos. 1-42
* Wongo nos. 1-49

39 Wood Gulch project

* Bill fraction
* El Oro claims
* Five O Clock claims
Guide claims
* JKY claims
* Mexico claims
* PC claims
* Red claims
* Sadie nos. 1 and 2
* Wood claims

74 Doby George project

Columbia Queen (Bonanza and Bonanza Queen)
* DW nos. 1-3
Doby nos. 1-40
Independence nos. 1-28
Pay Day nos. 1-40 (includes Big Four, Columbia Queen, and Columbia-Infidel)
Sidewalk Blonde nos. 1-89

109 Big Springs project

CP claims
* DR nos. 1-39
Greenstone claims
KAR claims
Leta nos. 1-26
* Lin claims
MC nos. 1-66
* MM nos. 1-220
* Mac claims (includes Mac Ridge deposit)
* Mesona claims (includes North and South Sammy Creek deposits)
* Mori claims
NF claims
Pete claims
Sleeper claims
Sue claims (includes Hyer prospect)

136 Jerritt Canyon project

AA claims
Black Beauty nos. 1-12
* Bilbao claims
Birdseye claims (includes AMAX's Independence project)
Cal group (includes Lost and Found, Arana, Burns Basin Antimony mine, Burns Basin mine, and Snow Canyon mine)
* CM claims
Ed claims
* Graphite claims
Greenstone claims
HV claims
* Jerritt Canyon mines
Joan, Dawn, H, and Bilbao patented claims
Alchem deposit
Marlboro Canyon deposit
North Generator Hill deposit
West Generator Hill deposit
Mill Creek project
NE claims (includes Hidden Hills mine and Big Jay nos. 0-7)
PC claims
Pie Creek claims
* Russ claims
Sona claims
* Sta claims
Stump claims
* Sue nos. 1-48
Susy nos. 1-96
TS claims (includes Birds Eye Antimony prospect)
* TUS nos. 1-75
WD nos. 1-10
WH claims (Wheeler)
WP claims (includes B.D. claims, Eagle Antimony prospect)
WT claims (includes Questionable claims)

Plate 1. - A 1972 to 1989 composite claim map of the Independence Range, NV special study area.

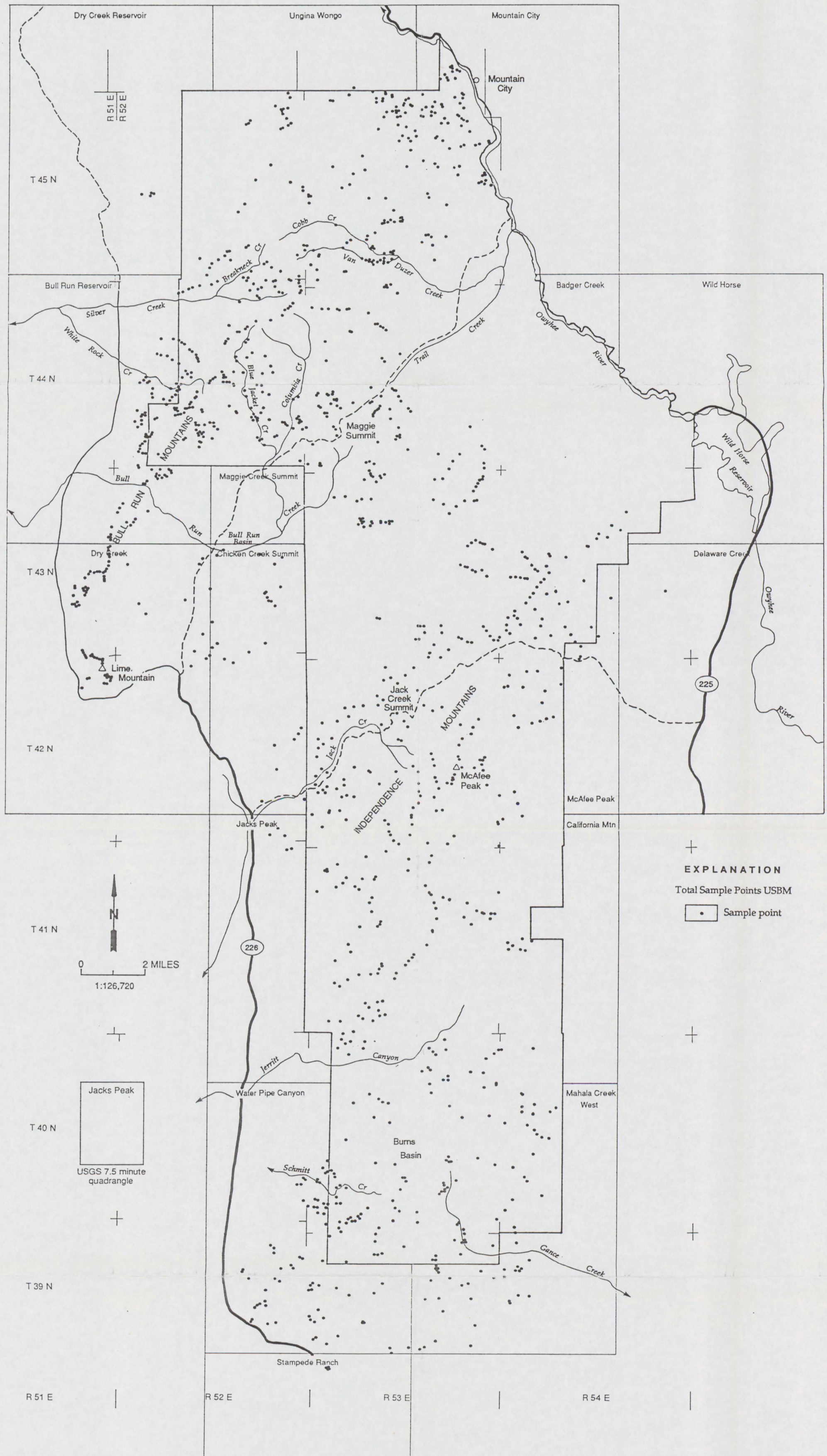


Plate 2.- Location map showing USBM lode and placer sample sites

Selected Mines and Millsites

	Numeric List
1	Protection (Walker Boy) mine
2	Millsite
3	Mountain City mine (New Yorkey's)
4	Rio Grande Copper mine
5	Rio Tinto mine and millsite
6	Idaho - Nevada mine (shaft)
7	Mountain Laurel
8	McCall Zone
9	Poorman placer
10	Estella, Excelsior placer
11	Silver King mine
12	Horseshoe mine
13	Lime Creek
14	Blue Ribbon mine (Ried)
15	Keystone (Pittsburg)
16	Palo Alto placer group (White Rock)
17	BFB millsites
18	Nevada Zinc mine
19	Chellis mine
20	Millsite
21	Pioneer
22	Blue Jacket mine
23	Jackpot mine (Esperanza)
24	Blue Jacket millsite
25	Polaris mine
26	Golden Eagle mine (Rescue)
27	Protection placer
28	Doby George
29	Columbia millsite
30	Columbia Queen mine
31	Columbia - Infidel
32	Big Four (Pay Day) mine
33	Aura Queen mine
34	Millsite
35	Rainbow Consolidated placer
36	Aura King millsite
37	Aura King mine
38	Millsite
39	California mine (California and Revenue)
40	Riddle mine
41	Blue Grouse
42	Burns mine (Alta mine)
43	Tiger Lode
44	Echo Canyon mine
45	Millsite
46	Big Bob mine and millsite
47	Lucky Girl (Edgemont) mine
48	Bull Run mine and millsite
49	Wood Gulch mine
50	Sheridan Creek placer
51	Lime Mountain mine
52	North Sammy Creek
53	South Sammy Creek
54	Mac Ridge
55	Big Springs millsite
56	Snow Canyon mine
57	Hidden Hills mine
58	Arana claims
59	West Generator Hill
60	North Generator Hill
61	Marlboro Canyon
62	Alchem
63	Jerritt Canyon millsite
64	Birdseye Antimony prospect
65	Lost and Found mine (antimony)
66	Burns Basin Antimony mine
67	Burns Basin mine
68	Black Beauty nos. 1-12
69	Eagle prospect (antimony)
70	Big Knob
71	Fantastic mine
72	B.D. (W.P.) claims
73	Pie Creek (AA) claims
74	Questionable (W.T.) claims
75	Ruff nos. 1-5 (L.B.) claims

	Alphabetical List
62	Alchem
58	Arana claims
36	Aura King millsite
37	Aura King mine
33	Aura Queen mine
72	B.D. (W.P.) claims
17	BFB millsites
46	Big Bob mine and millsite
32	Big Four (Pay Day) mine
70	Big Knob
55	Big Springs millsite
64	Birdseye Antimony prospect
68	Black Beauty nos. 1-12
41	Blue Grouse
24	Blue Jacket millsite
22	Blue Jacket mine
14	Blue Ribbon mine (Ried)
48	Bull Run mine and millsite
42	Burns mine (Alta mine)
66	Burns Basin Antimony mine
67	Burns Basin mine
39	California mine (California and Revenue)
19	Chellis mine
31	Columbia - Infidel
29	Columbia millsite
30	Columbia Queen mine
28	Doby George
69	Eagle prospect (antimony)
44	Echo Canyon mine
10	Estella, Excelsior placer
71	Fantastic mine
26	Golden Eagle mine (Rescue)
57	Hidden Hills mine
12	Horseshoe mine
6	Idaho - Nevada mine (shaft)
23	Jackpot mine (Esperanza)
63	Jerritt Canyon millsite
15	Keystone (Pittsburg)
13	Lime Creek
51	Lime Mountain mine
65	Lost and Found mine (antimony)
47	Lucky Girl (Edgemont) mine
54	Mac Ridge
61	Marlboro Canyon
8	McCall Zone
2	Millsite
20	Millsite
34	Millsite
38	Millsite
45	Millsite
3	Mountain City mine (New Yorkey's)
7	Mountain Laurel
18	Nevada Zinc mine
60	North Generator Hill
52	North Sammy Creek
16	Palo Alto placer group (White Rock)
73	Pie Creek (AA) claims
21	Pioneer
25	Polaris mine
9	Poorman placer
1	Protection (Walker Boy) mine
27	Protection placer
74	Questionable (W.T.) claims
35	Rainbow Consolidated placer
40	Riddle mine
4	Rio Grande Copper mine
5	Rio Tinto mine and millsite
75	Ruff nos. 1-5 (L.B.) claims
50	Sheridan Creek placer
11	Silver King mine
56	Snow Canyon mine
53	South Sammy Creek
43	Tiger Lode
59	West Generator Hill
49	Wood Gulch mine

Plate 3. Location of selected mines and millsites in the Independence Range special study area.

10 copies
each of
Minerals
activities
from Go-Book
includes
Your House -- Mine

Plate 4.--Gold anomaly map showing resources or reserves and current mining activity, derived from USBM and selected mining company analytical data

Plate 5.--Composite gold-silver-arsenic-antimony-mercury anomaly map derived from USBM and selected mining company analytical data

Plate 6.--Silver anomaly map

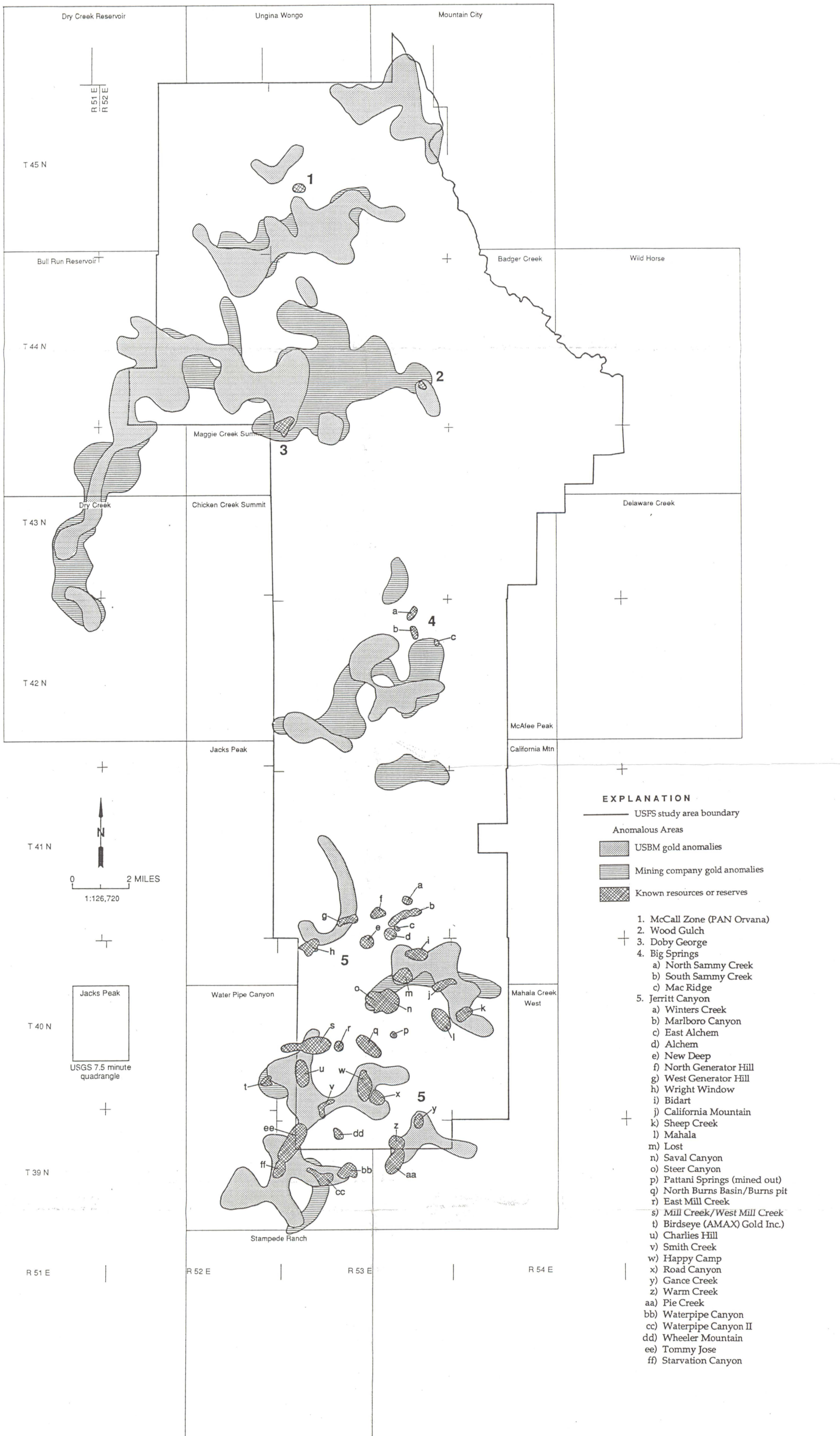


Plate 4. - Gold anomaly map, showing resources or reserves and current mining activity, derived from USBM and selected mining company analytical data.

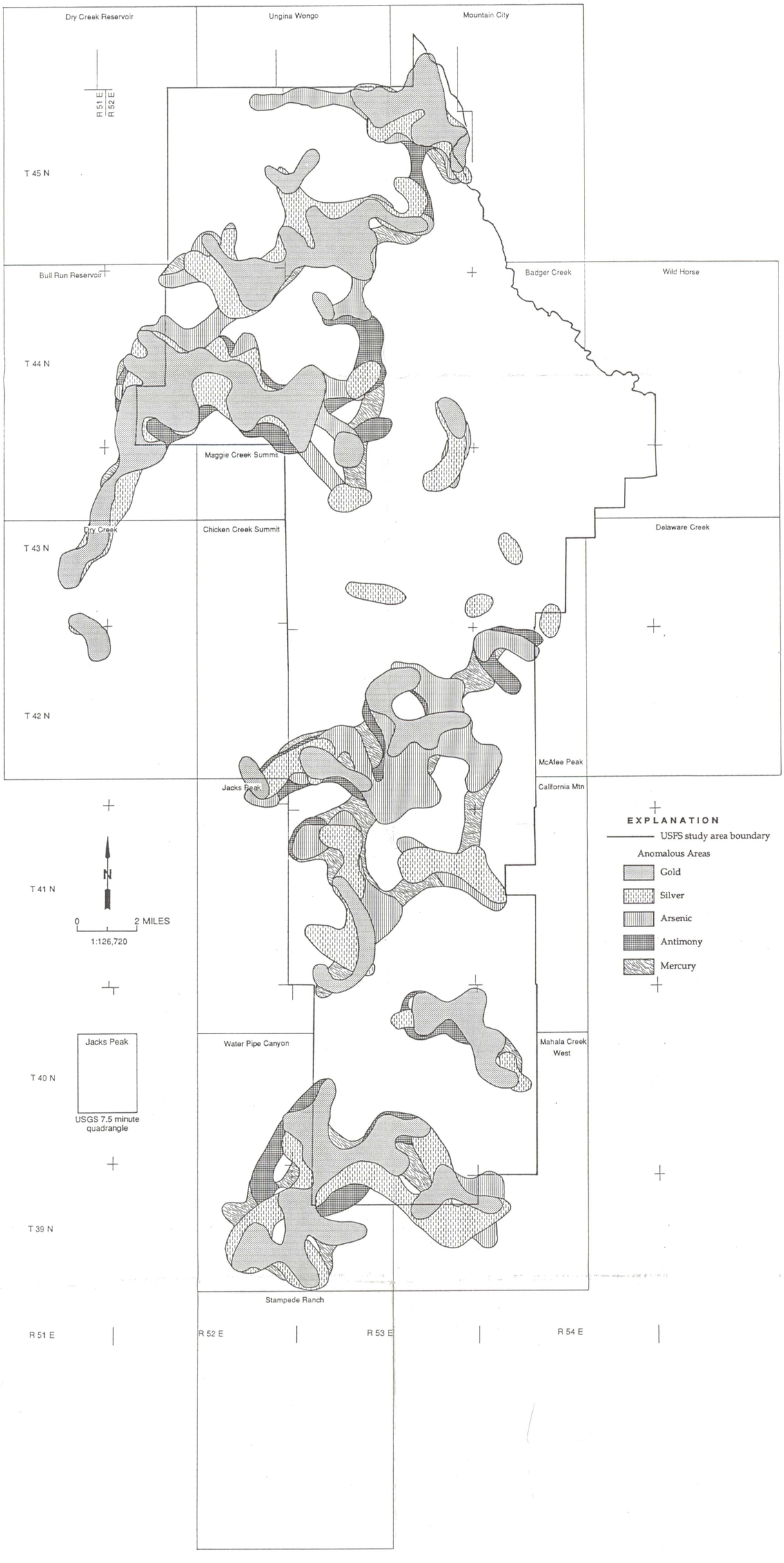


Plate 5. - Composite gold-silver-arsenic-antimony-mercury anomaly map derived from USBM and selected mining company analytical data.

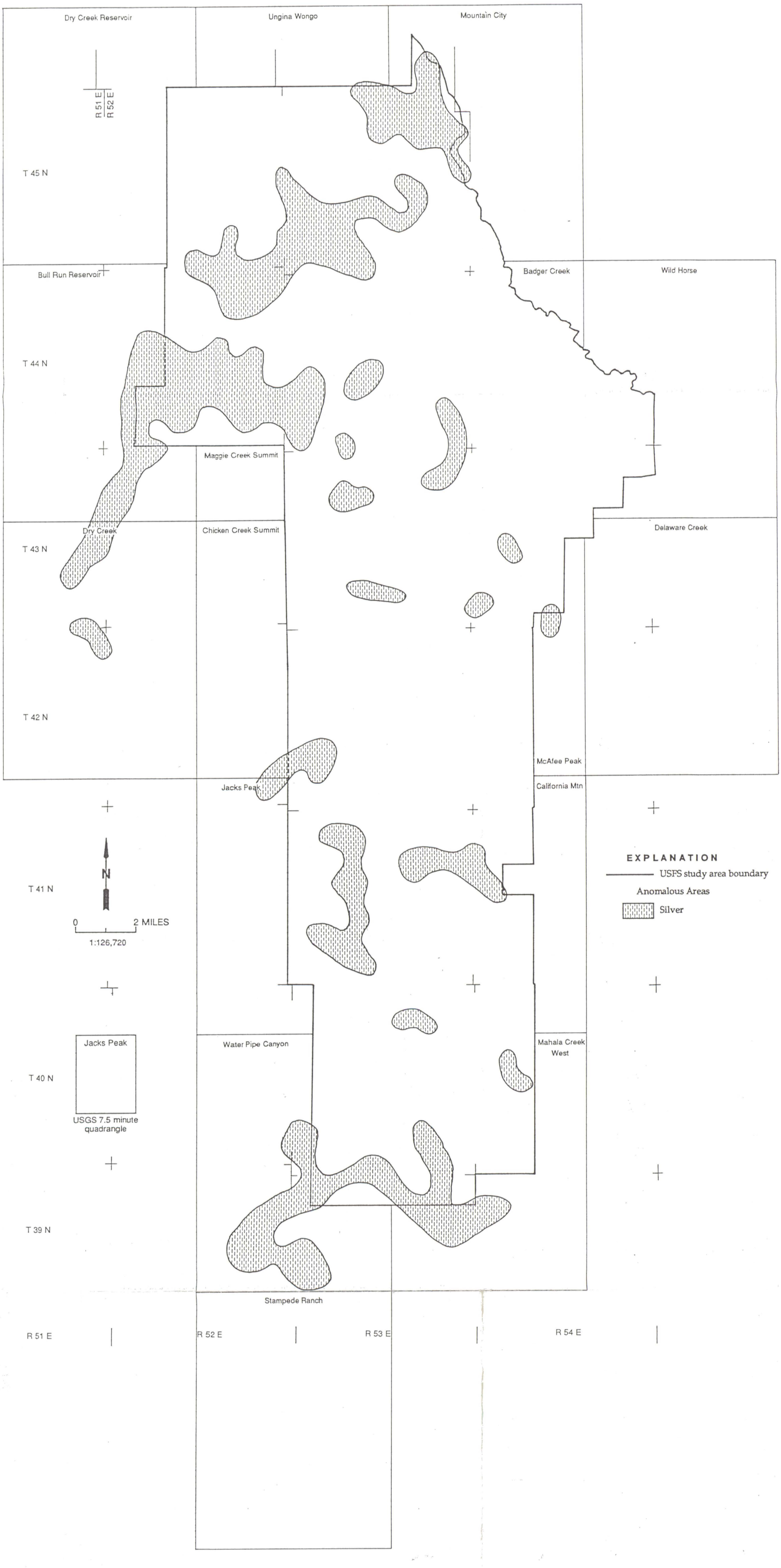


Plate 6. - Silver anomaly map.

Plate 7.--Arsenic anomaly map

Plate 8.--Antimony anomaly map

Plate 9.--Mercury anomaly map

Plate 10.--Copper anomaly map

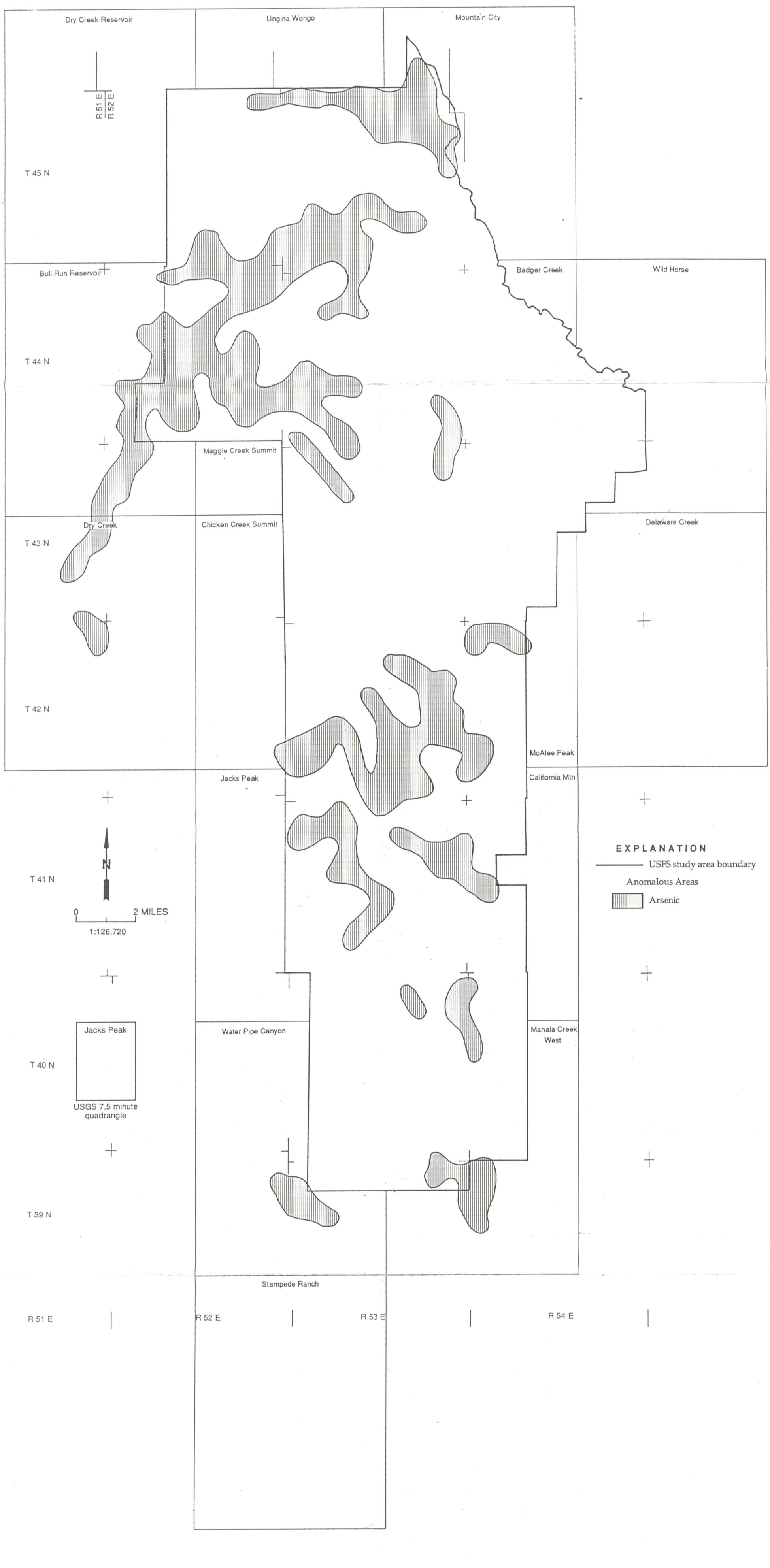


Plate 7. - Arsenic anomaly map.

Plate 8. - Antimony anomaly map.

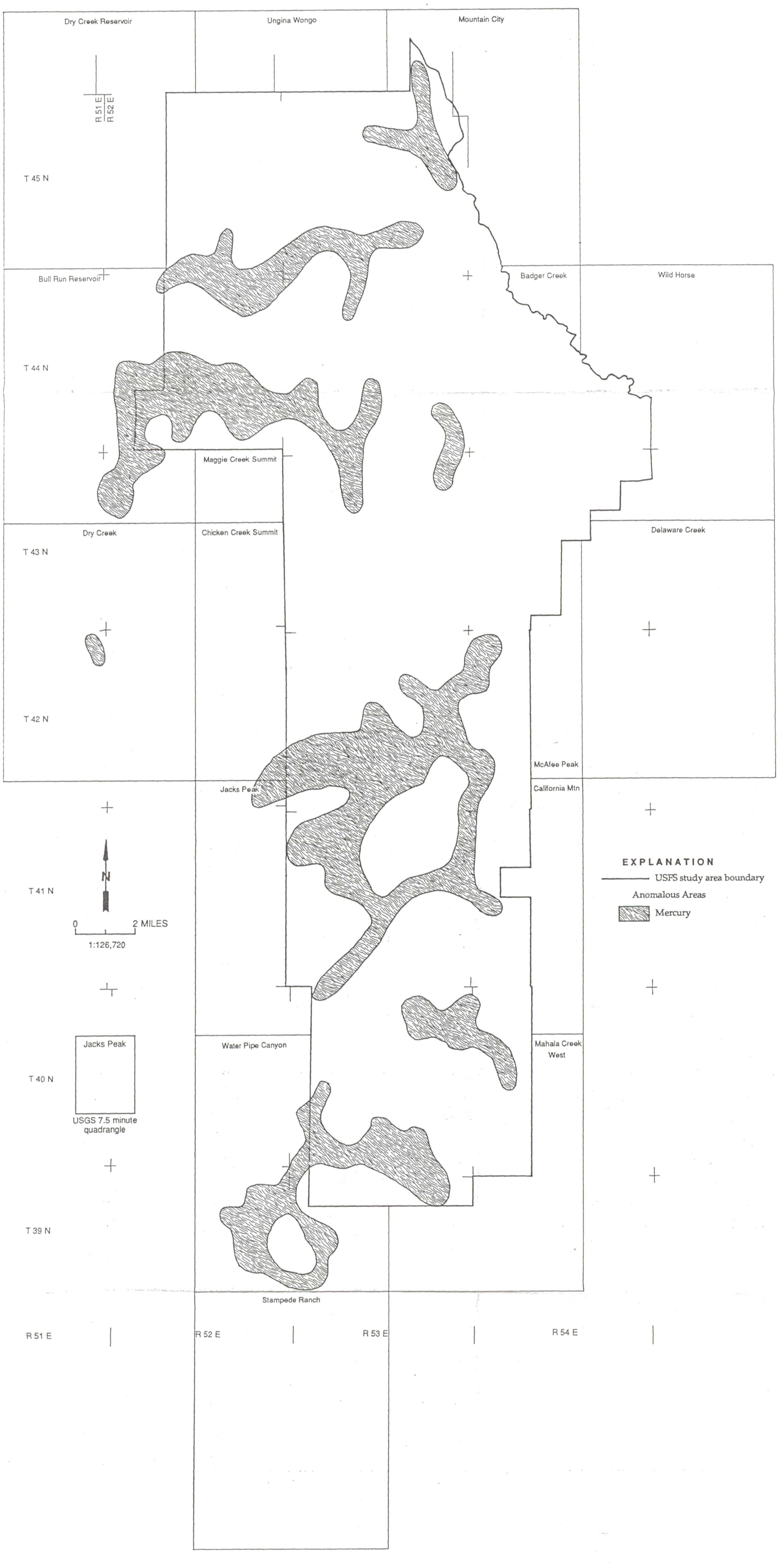


Plate 9. - Mercury anomaly map.

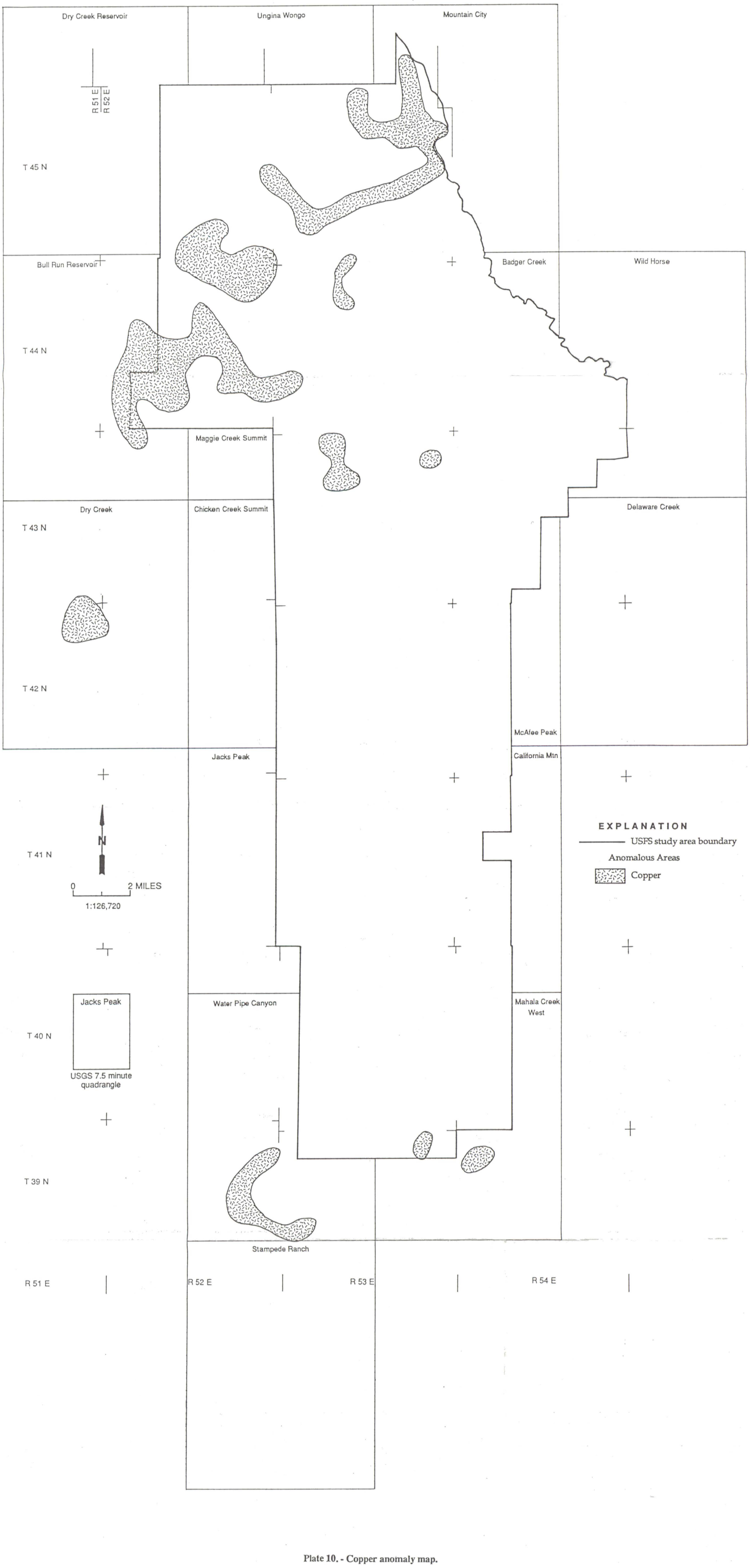


Plate 10. - Copper anomaly map.

Plate 11.--Lead anomaly map

Plate 12.--Zinc anomaly map

Plate 13.--Composite copper-lead-zinc anomaly map

Plate 14.--Barite anomaly map showing areas with resources or past production

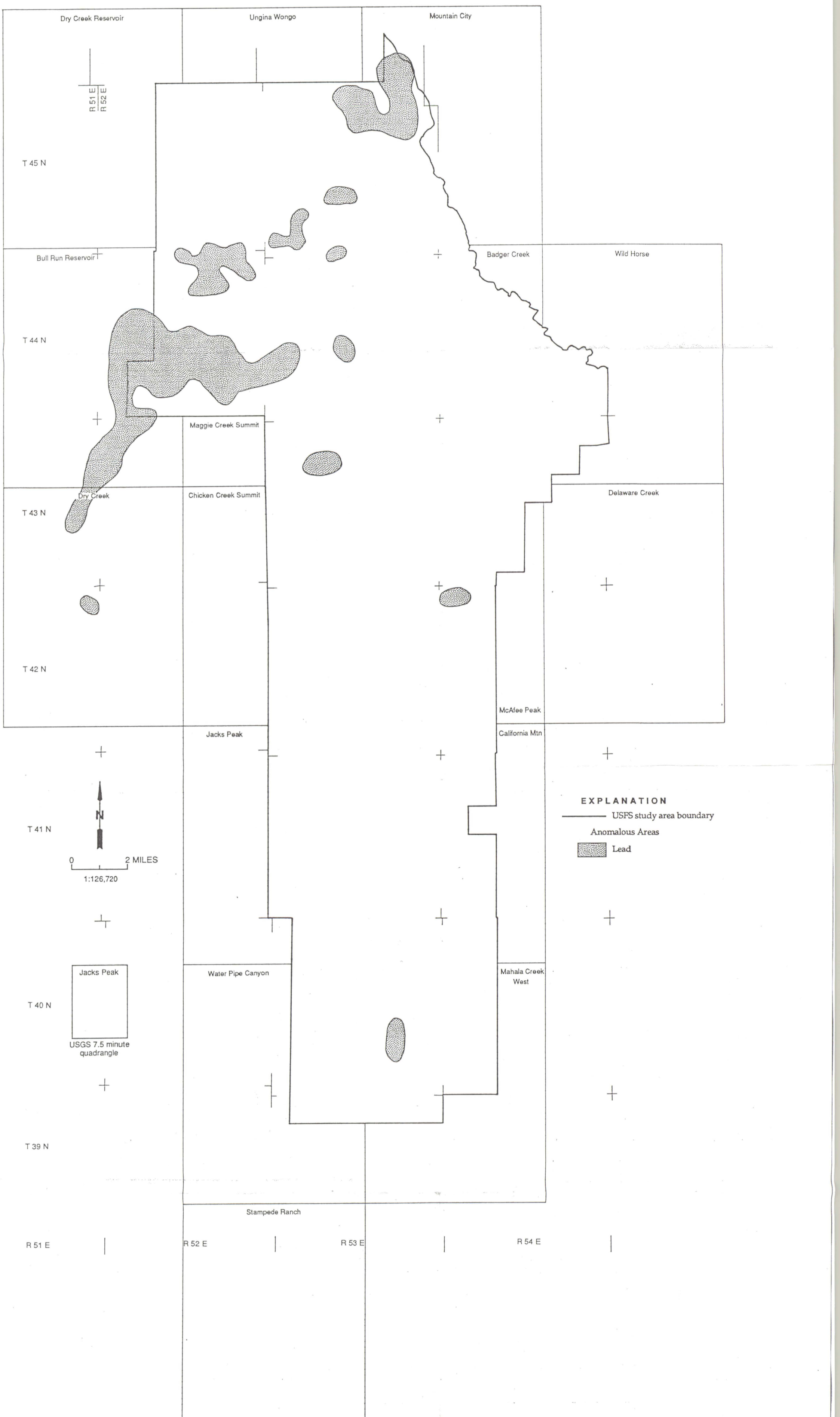


Plate 11. - Lead anomaly map.

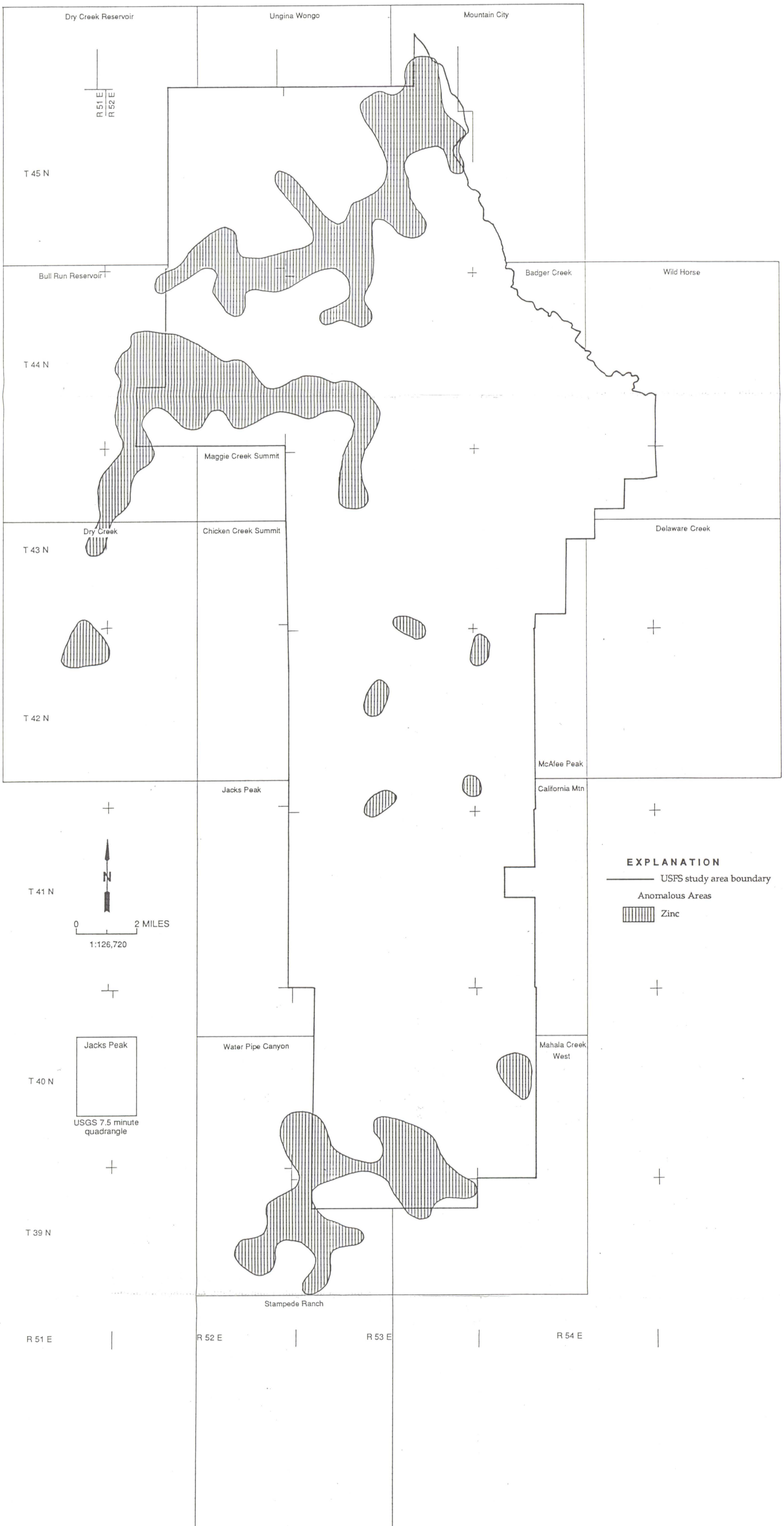


Plate 12. - Zinc anomaly map.

Plate 13. - Composite copper-lead-zinc anomaly map.

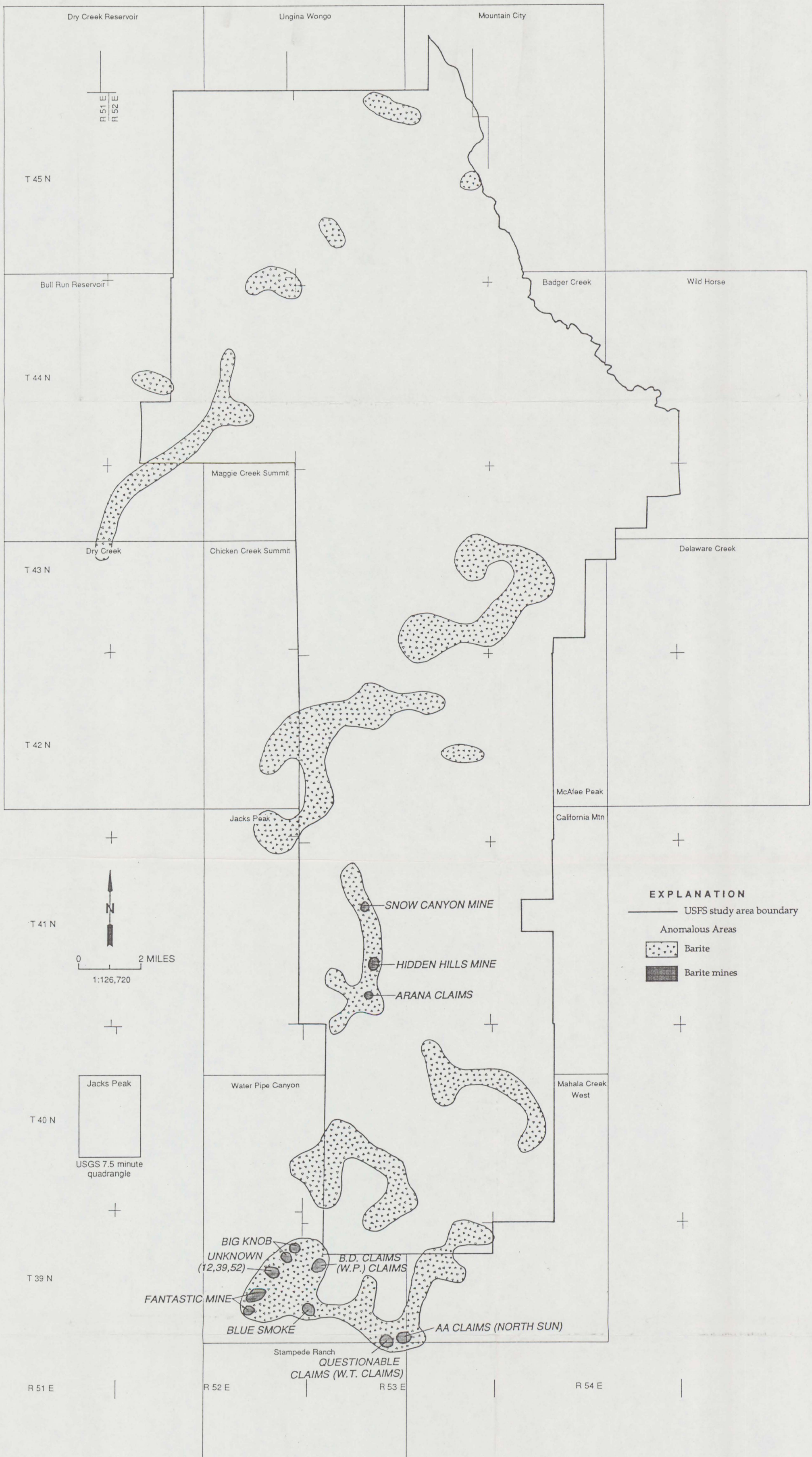


Plate 14. - Barite anomaly map showing areas with resources or past production.

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