UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mineral investigation of a Crossman Peak Wilderness Study Area, Mohave County, Arizona:

U.S. Bureau of Mines Mineral Land Assessment
MLA 82-83
1983

By
Light, T.D., and McDonnel, J.R., Jr.,

This open file report summarizes the results of a Bureau of Mines wilderness study and will be incorporated in a joint report with the U.S. Geological Survey. The report is preliminary and has not been edited or reviewed for conformity with the U.S. Bureau of Mines editorial standards. Work on this study was conduced by personnel from Intermountain Field Operations Center, Building 20, Denver Federal Center, Denver, CO 80225.

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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

MINERAL INVESTIGATION OF THE CROSSMAN PEAK WILDERNESS STUDY AREA, MOHAVE COUNTY, ARIZONA

By
Thomas D. Light
and
John R. McDonnell, Jr.

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ALSO SEE: MINERAL RESOURCE POTENTIAL MAP, CROSSMAN PEAK WSA MF-1602-A

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STUDIES RELATED TO WILDERNESS
Bureau of Land Management Wilderness Study Areas

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

Pioneer Cert.

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MINERAL INVESTIGATION OF THE CROSSMAN PEAK WILDERNESS STUDY AREA, MOHAVE COUNTY, ARIZONA

By Thomas D. Light and John R. McDonnell, Jr., Bureau of Mines

INTRODUCTION

During 1979-1982, the Geological Survey and the Bureau of Mines conducted field investigations to evaluate the mineral resources of the Crossman Peak Wilderness Study Area (WSA), Mohave County, Arizona. Field studies included geologic mapping, geochemical sampling, geophysical surveys, and a survey of known mines, prospects, and mineralized areas. This report represents the results of the mineral survey conducted by the Bureau of Mines.

The Crossman Peak Wilderness Study Area is 5 to 10 mi northeast of Lake Havasu City, Arizona, in southwestern Mohave County, Arizona (fig. 1). The study area encompasses 38,000 acres of rugged mountainous terrain in the Mohave Mountains, also locally called the Chemehuevi Mountains. The area is readily accessible from State Highway 95 on the west and from several dirt roads which surround the Mohave Mountains.

Mining claim location notices were examined in the Mohave County courthouse in Kingman, Arizona. The records of the Bureau of Land Management State Office in Phoenix were checked for patented claims and mineral leases. All claims which could be accurately plotted in and around the WSA are shown on plate 1. Many additional claims in the vicinity could not be plotted because of vague location notices.

Field investigations by Bureau of Mines personnel were focused on known mines, prospect workings, and mineral occurrences (table 1). Locations of mining claims were examined, and were sampled where workings or mineralization was encountered. A total of 1,131 samples were taken, including chip, select, outcrop, stream-sediment, and panned-concentrate samples. A brief description

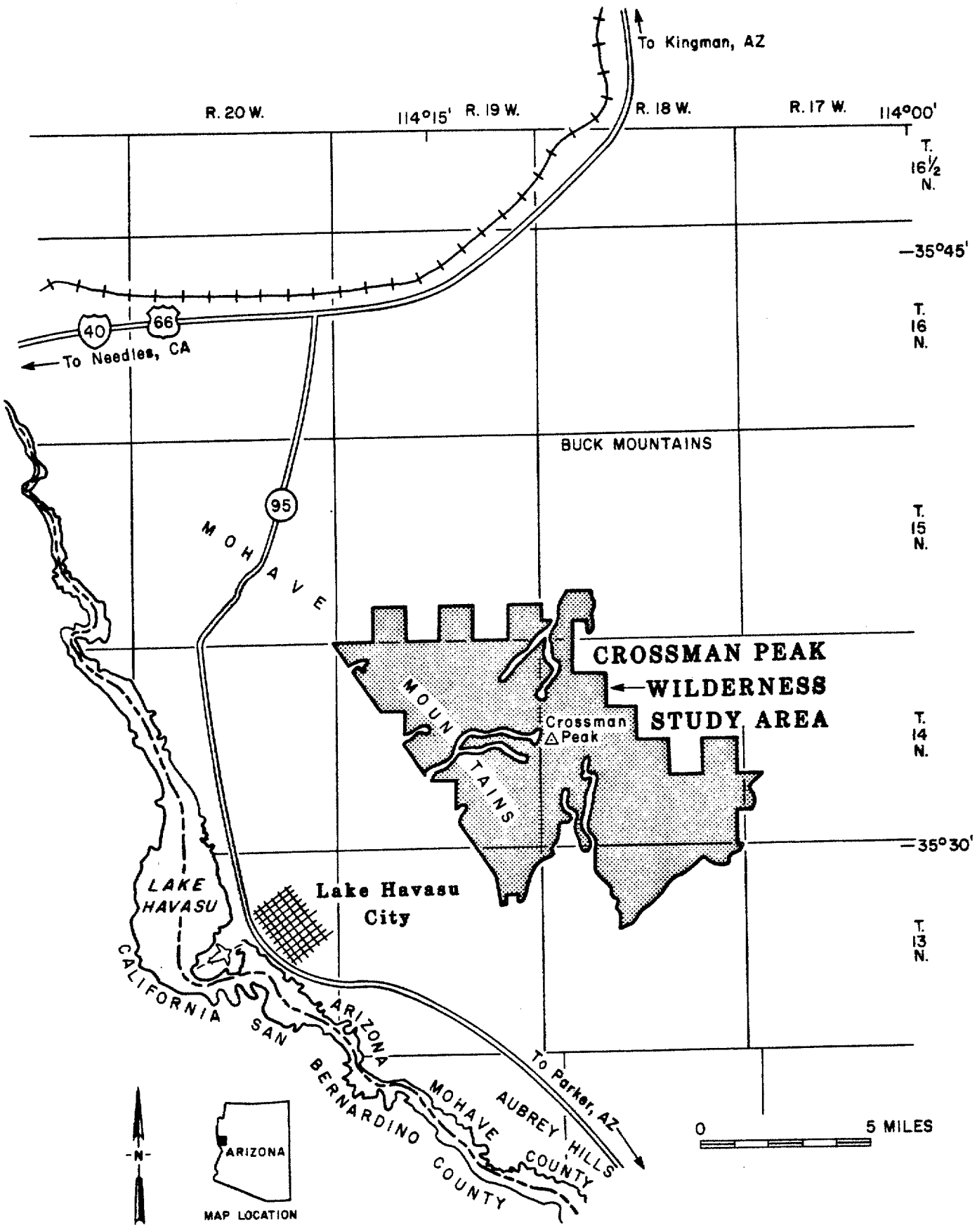


Figure 1.--Crossman Peak Wilderness Study Area, Mohave County, Arizona.

of samples is given in table 2, and analytical data for samples are listed in tables 3-5 at the end of this report. Samples are listed in numerical order with the numbers and locations shown in plate 1. Because of the nugget effect of gold, duplicate analyses may show inconsistent results. Detailed sample descriptions are available for inspection at the Bureau of Mines, Intermountain Field Operations Center, Building 20, Denver Federal Center, Denver, Colorado 80225.

GEOLOGIC SETTING

Geologic Setting, as presented in this open file report, is provided to permit a more thorough understanding of the minerals section. Information presented is taken from available literature; published reports are appropriately referenced throughout the section. In the joint summary report to be prepared by the Bureau of Mines and the Geological Survey, a detailed geology section will be supplied by the Geological Survey.

The Mohave Mountains lie near the northwest end of a northwest trending belt of metamorphic core complexes and detachment terrains as described by numerous authors, including Rehrig and Reynolds (1980), Davis (1980), and Frost and Martin (1982). In west-central Arizona and southeastern California, this tectonic belt also includes the Rawhide, Buckskin, Whipple, and Chemehuevi Mountains.

The Mohave Mountains are described by Howard, Goodge, and John (1982) as a Precambrian gneiss complex which includes several gneissic lithologies. The original composition of the gneisses varied from leucogranite to aluminous sediments. The gneiss complex has been intruded by a small Cretaceous(?) stock in the northwestern portion of the study area, and by several ages of basaltic to rhyolitic dikes, as described by Nakata (1982).

According to John and Howard (1982), the Mohave Mountains represent a block of upper-plate allochthonous rocks which have moved northeastward on detachment surfaces which underlie the entire range. Vertical rotation associated with detachment motion was northeast upward, and may have rotated the range as much as 60°.

MINING HISTORY AND PRODUCTION

The Crossman Peak Wilderness Study Area is in the Chemehuevi mining district, and has been referred to as the Mohave or Gold Wing district. Occasionally the area has been mistakenly called the Owens district, which actually lies several miles to the southeast. Prospecting and mining activity have occurred sporadically over the past 100 years. The principal mineral commodities mined or prospected in the Crossman Peak area have been gold, silver, and tungsten. The first claims date back to the early 1860's, and were filed under locally established mining districts, before the enactment of the 1872 mining law. These early claims were mostly gold placer claims in the dry washes along the north and west sides of the Mohave Mountains. Most of the original miners were soldiers from Fort Mohave or were prospectors returning from the California gold fields. Crossman Peak is named for A. G. Crossman, a placer miner who was referred to in 1900 as the "Gold King of the Chemehuevis" (Mohave Mountains) (Malach, 1974). Placer activity reached its peak during the depression years of 1929-1933, and has been rejuvenated during times of economic recession or when gold prices were high. The Dutch Flat Mines, (originally the Kampff Mine) were located in 1870 in the southeastern side of the mountains and were the first lode claims developed in the area.

All mining activity in the Mohave Mountains ceased during World War II when the War Production Board issued a Limitation Order closing down gold mines. During this time the Mohave Mountains were used by the military for bombing and artillery practice. More recently, placer and lode mining activity have steadily increased in and around the Crossman Peak area from 1978 to the present (1982).

Very little information is available about the production history of the mines in the Crossman Peak area. The Dutch Flat mines (the Evelyn, Little Maud, and Pioneer) produced at least $14,000 in gold and 300 units (1 unit = 20 pounds WO_3) of WO_3 prior to 1959 (Dale, 1961). Although the value of production is not known, the Pittsburg (Mohawk) Mine is reported to have shipped some ore averaging 126 oz silver per ton and 6.5 oz gold per ton (Arizona Dept. of Mineral Resources, file data). The J & J (Golden Gate) Mine was reported to have produced ore averaging $35 gold per ton in 1934 (Malach, 1977). Other workings in the Crossman Peak area that probably had some production include the Sunrise, Scotts Well, Arrastra Well, Green Feather, Wing, Osiris, and Manitowoc, and mines in the Dutch Flat group.

MINES, PROSPECTS AND MINERALIZED AREAS

Lode deposits of gold, silver, and tungsten (pl. 1) occur in northeast- to northwest-trending quartz veins and faults in the Precambrian gneiss complex which forms the central portion of the Mohave Mountains. Workings on these veins range in size from isolated prospect pits to shafts and adits several hundred feet long.

The pattern of propylitic to argillic alteration and the distribution of base and precious metals in the Crossman Peak area are indicative of a large hydrothermal system which has been interpreted as the upper-level expression of a buried porphyry intrusive system (Light and others, 1982).

Deposits associated with this hydrothermal system occurring outside of the WSA, but within 1 mi of the boundary are described in this report because they are representative of mineralization occurring throughout the WSA.

Buzzy Tail Shaft

The Buzzy Tail or Mohave Chief shaft is about 1/3 mi outside of the northern WSA boundary along the north flank of the Mohave Mountains in SE1/4 sec. 25, T. 15 N., R. 19 W., at an elevation of 2,260 ft. The shaft was dug by Don Barron and others as the Mohave Chief, but was later renamed the Buzzy Tail. The shaft is nearly vertical for 15 ft, then slopes 50° S. 15° W. to 75 ft (fig. 2), and follows a northeast-striking, irregularly dipping 4-to 33-in.-wide quartz vein in a fault zone. The fault and vein are in highly fractured and slightly altered Precambrian gneiss. The vein contains abundant limonitic and hematitic staining as well as boxwork textures indicating leached sulfide mineralization. Minor bornite and secondary copper staining were observed in some samples. Analytical data for samples 24-31 collected from the Buzzy Tail shaft and dump are listed in tables 3-5. These samples contained as much as 0.5 oz silver per ton and 0.016 oz gold per ton. A few tens of tons of ore containing high-grade gold may have been produced from this shaft.

Quail Placers

The Quail Placers comprise numerous pits and trenches dug on placer gold claims in secs. 29, 30, 31, and 32, T. 15 N., R. 18 W., along the north flank of the Mohave Mountains. Most of the workings are near the center of sec. 30 and are easily accessible via dirt roads along the northern boundary of the WSA.

Local piles of sorted gravel along drainage courses indicate that the area has been previously worked by dry washer techniques, probably during

EXPLANATION OF SYMBOLS FOR FIGURES 2-96

45 — FAULT--Showing dip; dashed where approximate

D/U — FAULT--Showing relative vertical movement (D, down; U, up) dashed where approximate

VERTICAL FAULT--Dashed where approximate

FAULT--Showing relative horizontal movement; dashed where approximate

FAULT--Probable

24 — FAULT ZONE--Showing dip; dashed where approximate

40 — SHEAR ZONE--Showing dip; dashed where approximate

47, 47, 52 — VEIN--Showing dip; dashed where approximate

52 — CONTACT--Showing dip; dashed where approximate

60 — STRIKE AND DIP OF JOINTS

25 — STRIKE AND DIP OF BEDS

40 — STRIKE AND DIP OF FOLIATION

902, 903 — LOCALITY OF PANNED CONCENTRATE SAMPLE--Showing sample number

302, 361 — SAMPLE LOCALITIES--Showing sample number

STOCKPILE

DUMP

PIT

TRENCH

OPENCUT AND PORTAL--Showing underground workings

UNDERGROUND WORKINGS--When included with surface workings

APPROXIMATE LOCATION OF UNDERGROUND WORKINGS

CAVED OR BACKFILLED

A, B — STOPED ABOVE (A) OR BELOW (B)

C — CHUTE

M — MANWAY

EXPLANATION OF SYMBOLS FOR FIGURES 2-96--Continued

P — PILLAR

-10 / >>+34>>> — SLOPE--Showing inclination (-, down; +, up)

TIMBER, CRIBBING

SHAFT

45 — INCLINED SHAFT (DECLINE)-- Showing degree of inclination

SHAFT--Extending through level

SHAFT BOTTOM

RAISE BOTTOM

WINZE--Top

INCLINED WINZE

PROSPECT PIT

TRENCH

ADIT

CREEK OR WASH

SECTION VIEW SYMBOLS

Drift

Ladder

Bricked portal

Surface

ALLUVIUM

DIORITE

DIABASE

GNEISS

GRANITE

AMPHIBOLITE

ANDESITE

GRANITE GNEISS

DACITE

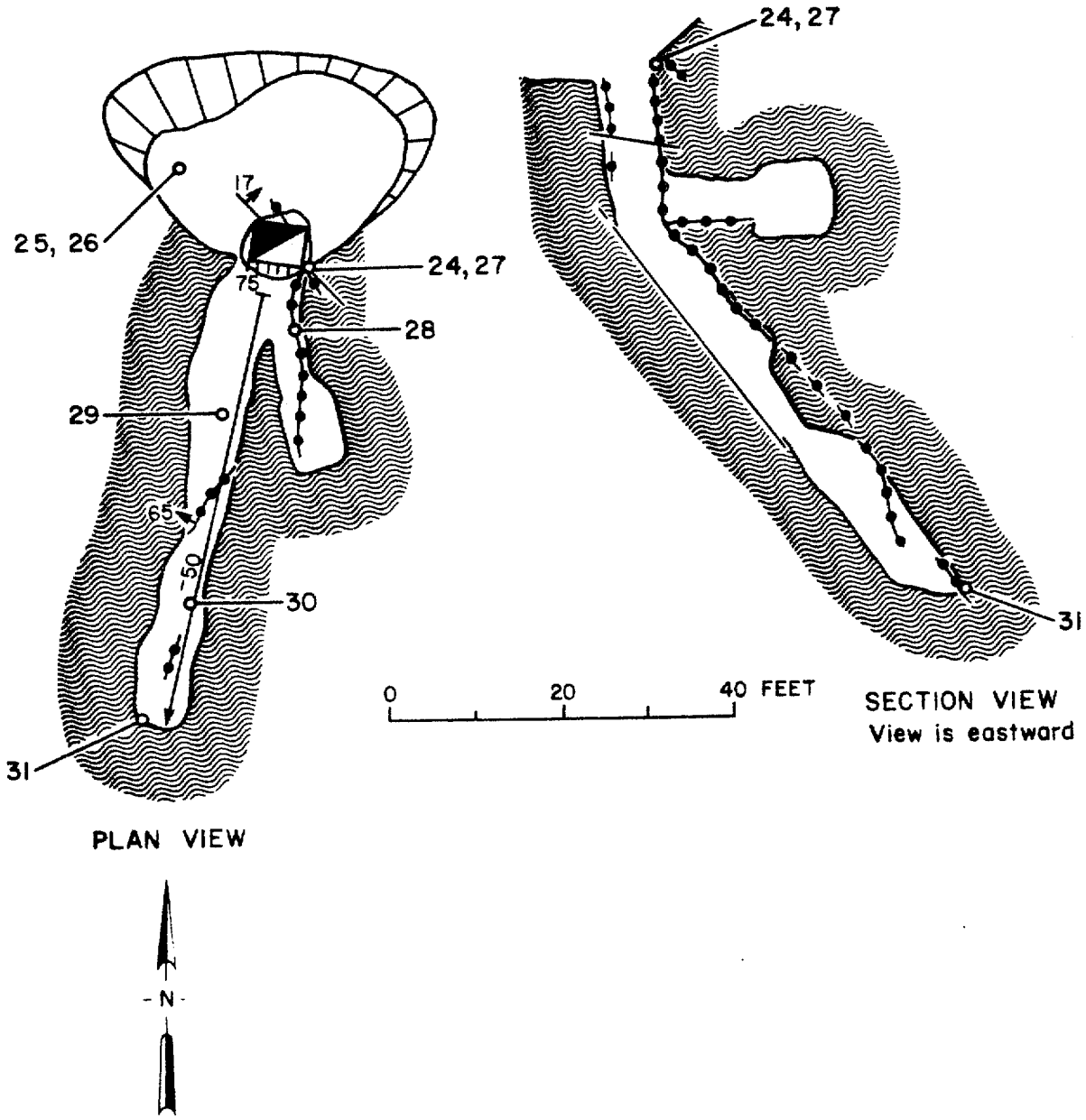


Figure 2.--Buzzy Tail Shaft.

the 1930's depression. In 1980, the deposit was staked by John Pasak and others. Pasak and associates have worked the small drainages by drywasher techniques to define the areas of highest gold concentration. They have recovered several ounces of small flake gold and several small nuggets up to 1/4 oz. In 1982, Pasak was cutting backhoe trenches and test pits to determine the feasibility of establishing a several-hundred-ton-per-day pilot leach plant.

Samples 32-51, collected from the Quail Placers, are panned concentrates from approximately 1/3 yd of stream sediment per sample. Several samples contained 1 to 1-1/4 grains of visible gold (480 grains = 1 ounce). The gold flakes which could be separated by hand were 0.02--0.10 in. in diameter. The remainder of the sample was fire assayed for gold content. Even after the removal of the visible gold, samples from the Quail Placers contained as much as 1.33 oz gold per ton, indicating that much of the value is in flour and very fine gold. Analytical data for samples 32-51 are listed in tables 3-5.

Numerous occurrences similar to the Quail Placers have been worked, in drainages throughout the WSA. These deposits have been worked intermittently for the past 120 years and will probably continue to serve as a source of placer gold.

Arrastra Well Area

The Arrastra Well area is near the head of Arrastra Canyon in the SW1/4 sec. 1, SE1/4 sec. 2, NE1/4 sec. 11, and NW1/4 sec. 12, T. 14 N., R. 19 W. This area gets its name from an old arrastra which was reportedly used to crush ore from the mines.

There is no written record of who worked the mines or if there was any production from the lode deposits. In 1923, however, Al Knowland had a camp in Moon Wash at the fork to Arrastra Well, and reportedly worked several

placer claims in the drainages (R. Eaton, oral communication, Yucca, Ariz., 1980). Significant production of gold from placer operations was also reported during the early 1930's (D. Barron, oral communication, 1980).

Any lode production from the Arrastra Well area probably came from an adit and a decline in the ridge approximately 1/4 mi northwest of Arrastra Well in SE1/4 sec. 2. The adit was driven 75 ft northwestward along a quartz vein in Precambrian garnetiferous gneiss (fig. 3). The quartz vein was emplaced along a small fault with minor gouge and abundant limonitic and minor copper staining. The decline was sunk at 36° to a depth of 75 ft, then drifts 35 ft northwestward and 50 ft southeastward along a fault and quartz vein containing abundant limonitic and minor copper staining (fig. 4).

Samples 90-99 from the adit and the decline contained as much as 0.6 oz silver per ton, 0.328 oz gold per ton, 0.50 percent zinc, 0.20 percent tungsten, and minor copper and lead. Approximately 600 tons of high-grade ore may have been produced from these workings.

Adjacent to Arrastra Well are numerous prospect pits and a 50-ft-long trench (fig. 5) cut along a shear zone in Precambrian garnetiferous gneiss. An irregular quartz vein up to 3 ft wide has intruded the shear zone. The vein contains local concentrations of galena, sphalerite, and pyrite often accompanied by minor copper staining. Southwest of Arrastra Well is a 20-ft-deep shaft, inclined 34° along a northwest-trending fault and quartz vein (fig. 6).

Analytical data for samples 84-117, collected from the Arrastra Well area are listed in tables 3-5. Metal concentrations in these samples were as much as 1.9 oz silver per ton, 0.328 oz gold per ton, 0.95 percent lead, 2.2 percent zinc, and minor copper. Inferred resources are approximately 350 tons containing an average of 0.21 oz gold per ton and 0.32 oz silver per ton.

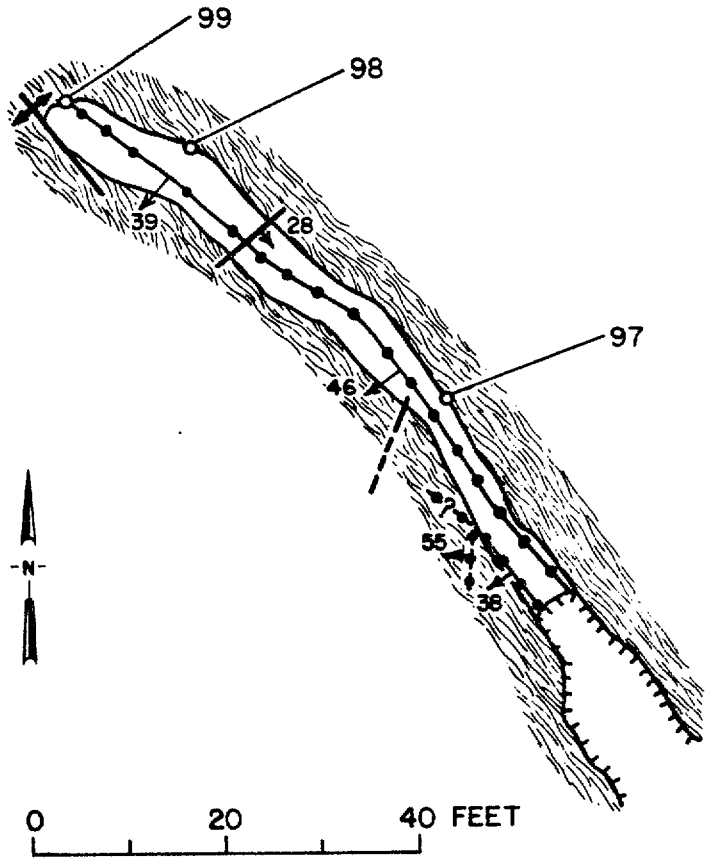


Figure 3.--Adit, Arrastra Well area.

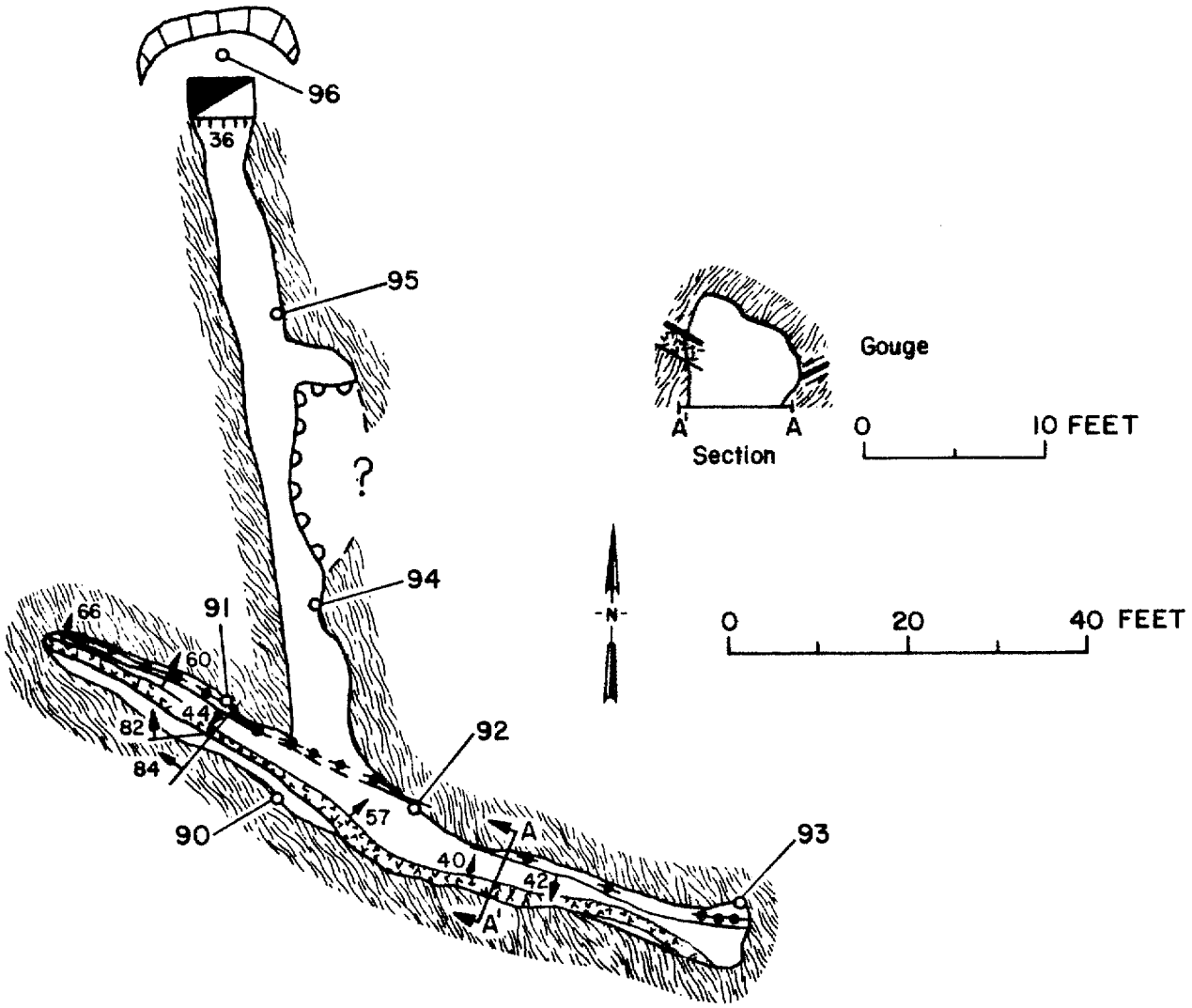


Figure 4.--Decline shaft, Arrastra Well area.

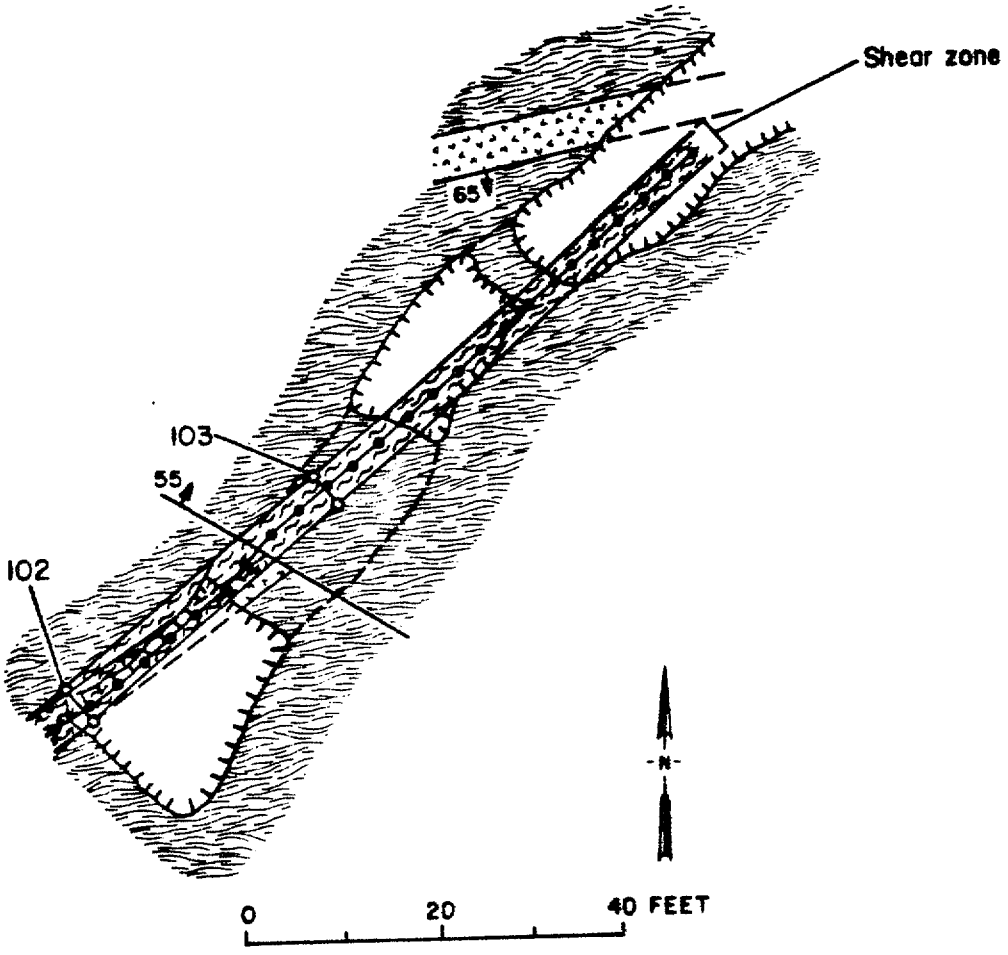


Figure 5.--Trench, Arrastra Well area.

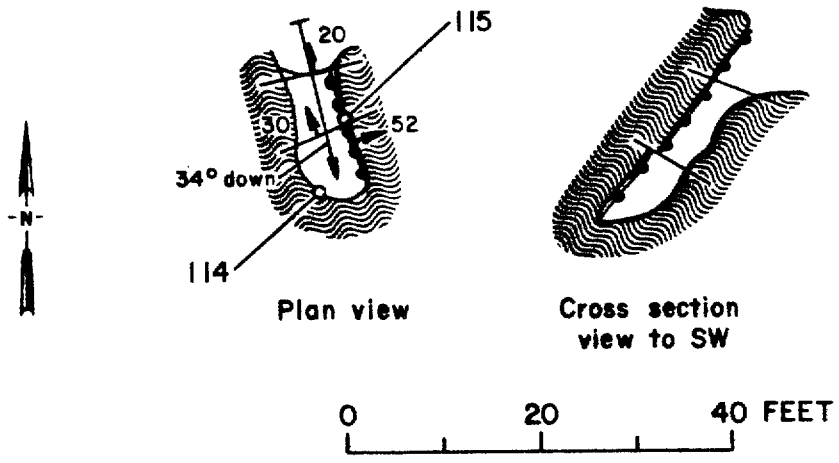


Figure 6.--Inclined shaft, Arrastra Well area.

Green Feather Mine

The Green Feather Mine is at an elevation of about 4,000 ft near the crest of a ridge, about 1/2 mi southwest of Arrastra Well, in the NW1/4 sec. 11, T. 14 N., R. 19 W. The Green Feather Mining Co. built a steep road to the claims, and did most of the development work. It is not known how much ore was produced from the property. Workings at the mine include an adit with 150 ft of drift, and a 35-ft-deep shaft inclined at 44° (fig. 7), and several prospect pits (fig. 8). The workings were cut on a gently dipping, northwest-striking quartz vein containing abundant limonite and minor malachite and galena. Analytical data for samples 118-133 collected from the Green Feather Mine, are listed in tables 3-5. Sample 125, a 16-in. chip across the quartz vein, contained 0.407 oz gold per ton. It is probable that 300-400 tons of high-grade, gold-bearing ore were produced from the Green Feather Mine. Resource calculations suggest approximately 210 tons of inferred resources containing 0.05 oz gold per ton.

Wing Mine

The Wing Mine is near the northwest corner of the WSA in the SE1/4 sec. 6., T. 14 N., R. 19 W., at an elevation of about 1,800 ft. The mine is 1/4 mi east of the contact of the Precambrian gneiss and overlying Tertiary volcanics. In 1981, the claims were being worked by Allen and Bobbie Burditt, Lake Havasu City, Arizona. Some placer gold has been recovered from the claims, but no production records could be located for the Wing Mine.

The mine includes an inaccessible shaft, two adits, and numerous prospect pits (fig. 9). These workings may be extensive enough to have sustained minor production. The shaft is at least 40 ft deep, but the dump has been eroded, making questionable any estimate of the extent of the shaft. The

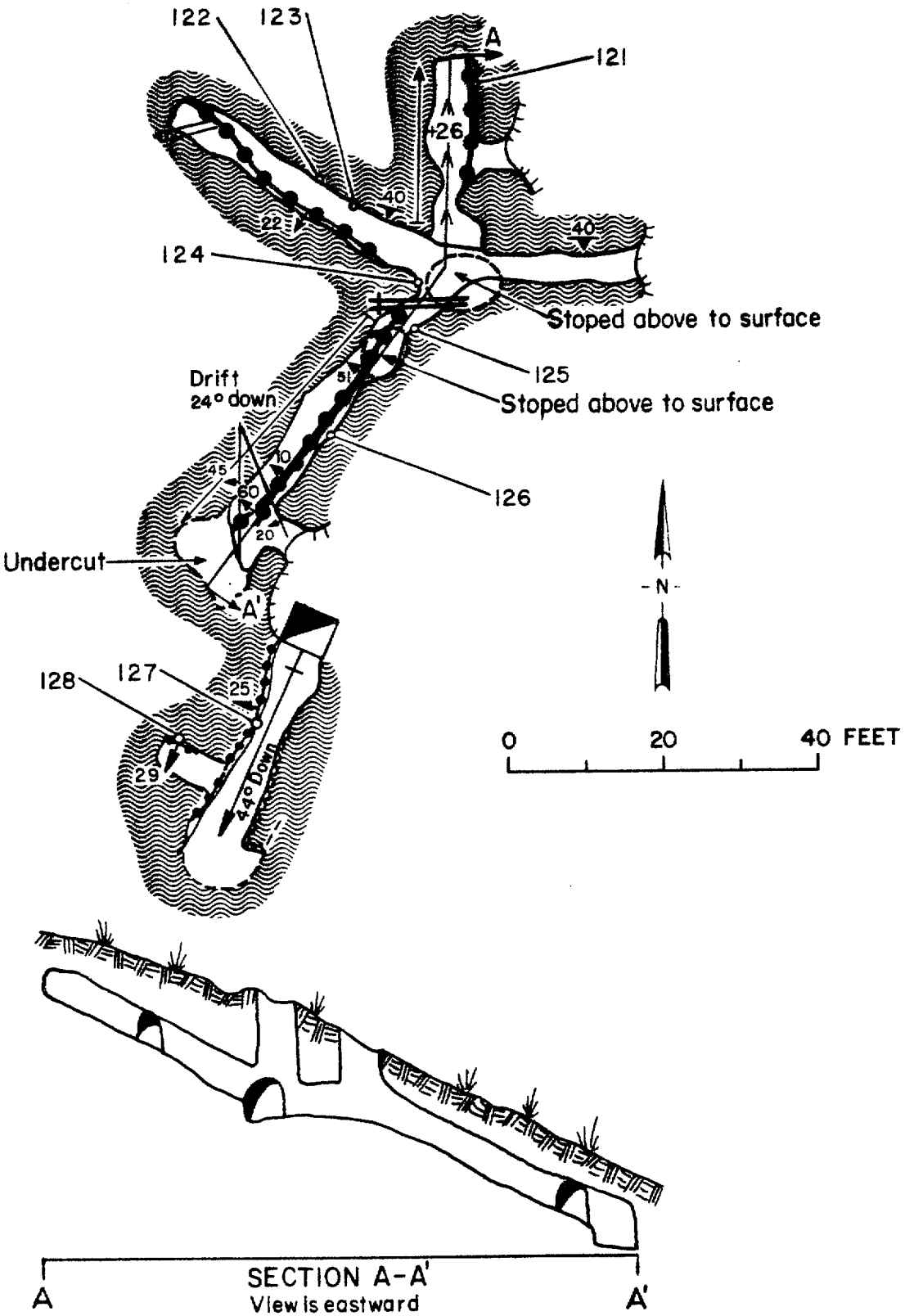


Figure 7.--Adit and inclined shaft, Green Feather Mine.

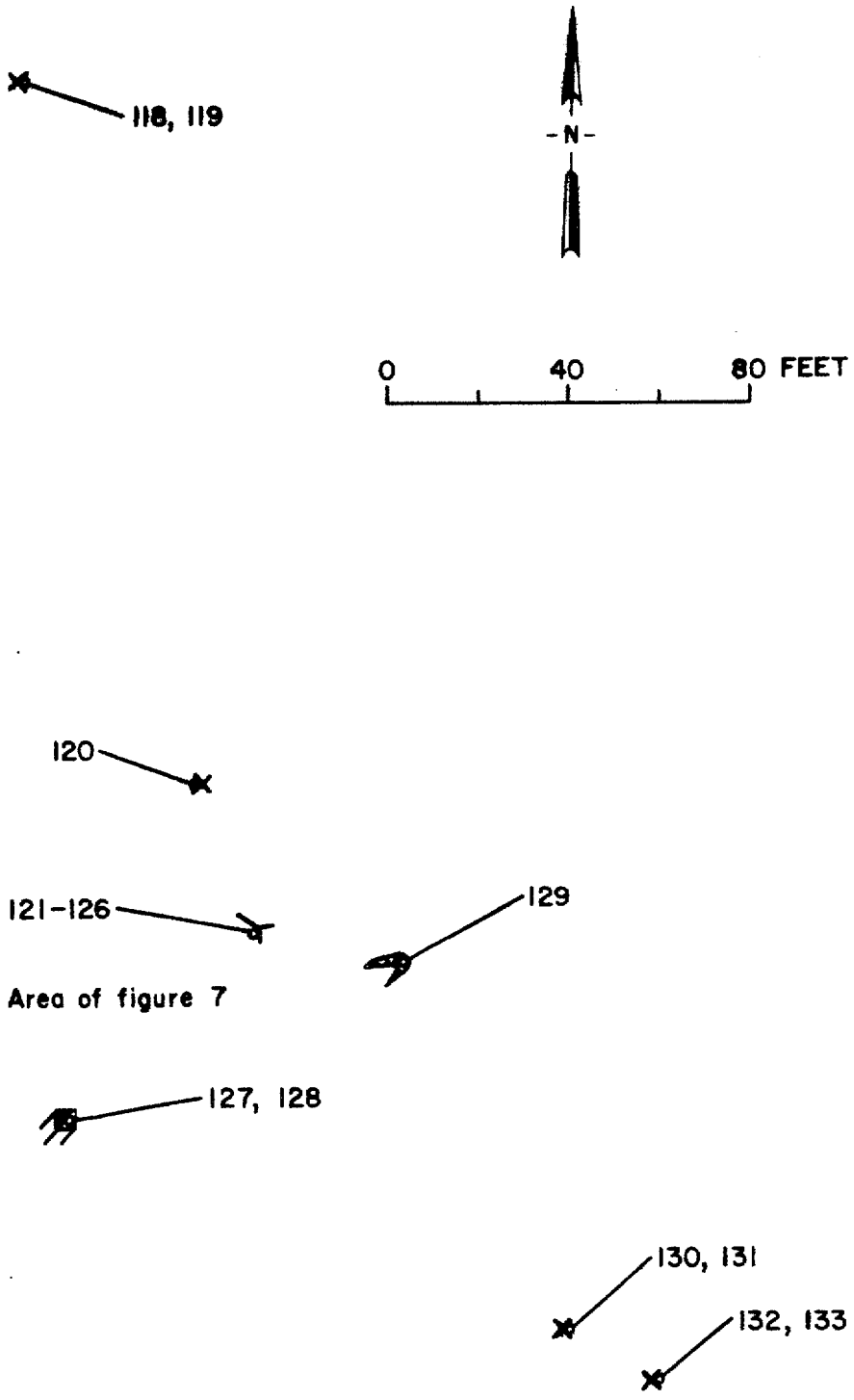


Figure 8.--Surface map, Green Feather Mine.

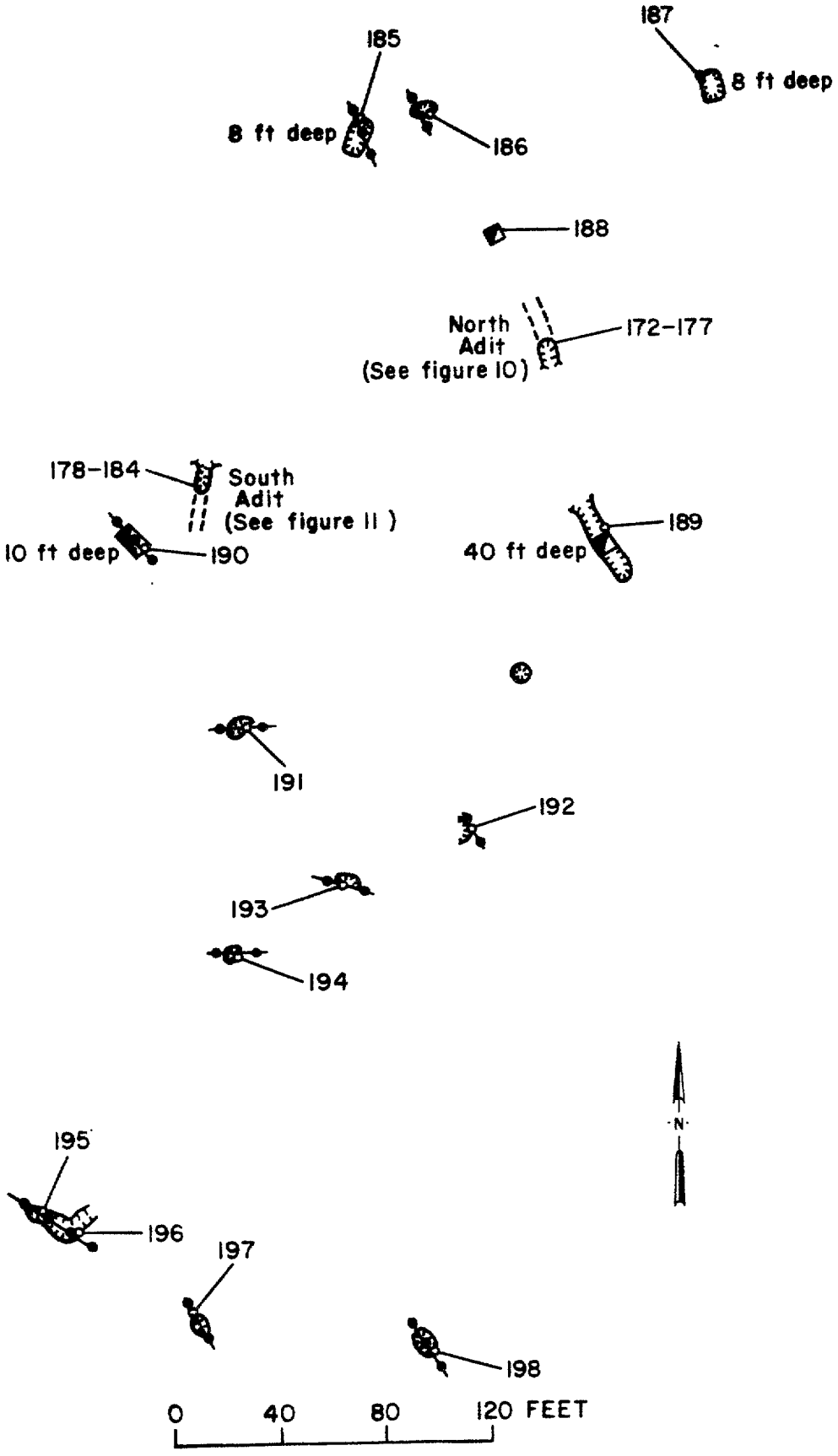


Figure 9.--Surface map, Wing Mine.

north and south adits are, respectively, 75 and 55 ft long (figs. 10 and 11). A few hundred tons of high-grade ore were probably produced from the workings.

The north adit and the shaft were both cut on a northwest-trending quartz vein in Precambrian gneiss. The quartz vein has abundant limonite and sulfide boxwork, and has minor remnant crystals of chalcocite, wulfenite, and galena accompanied by secondary malachite. Analytical data for samples 154-203, collected from the Wing mine area are listed in tables 3-5. Sample 174, a 34-in. chip across the quartz vein at the portal of the north adit, contained 0.092 oz gold per ton, and sample 198 from a prospect pit southeast of the main workings contained 1.0 oz silver per ton.

J & J (Golden Gate) Mine

The J & J Mine is in the western part of the WSA in the SE1/4 sec. 16, T. 14 N., R. 19 W. at an elevation of 2,200 ft. Malach (1977) reported that gold ore produced from Golden Gate Mine, as it was originally called, ran $35 per ton in 1934, but there is no record of the total amount of production. The claims were being worked in 1981 by Jack Cutting, Lake Havasu City, Ariz.

Workings of the J & J Mine (fig. 12) were cut on faults containing irregular and discontinuous quartz veins. Locally the Precambrian gneiss is highly sheared and altered. Abundant limonite and hematite are locally accompanied by pyrite, malachite, bornite, chalcocite, and galena. One inaccessible shaft is at least 40 ft deep and may have a drift at the base. An adit and connecting shaft (figs. 13a and b) were the largest accessible workings. The adit comprises 150 ft of drift and a 130-ft-deep winze.

Analytical results, for samples 230-258 taken from the J & J workings, are shown in tables 3-5. Sample 255, a 15-in. chip from a trench near the

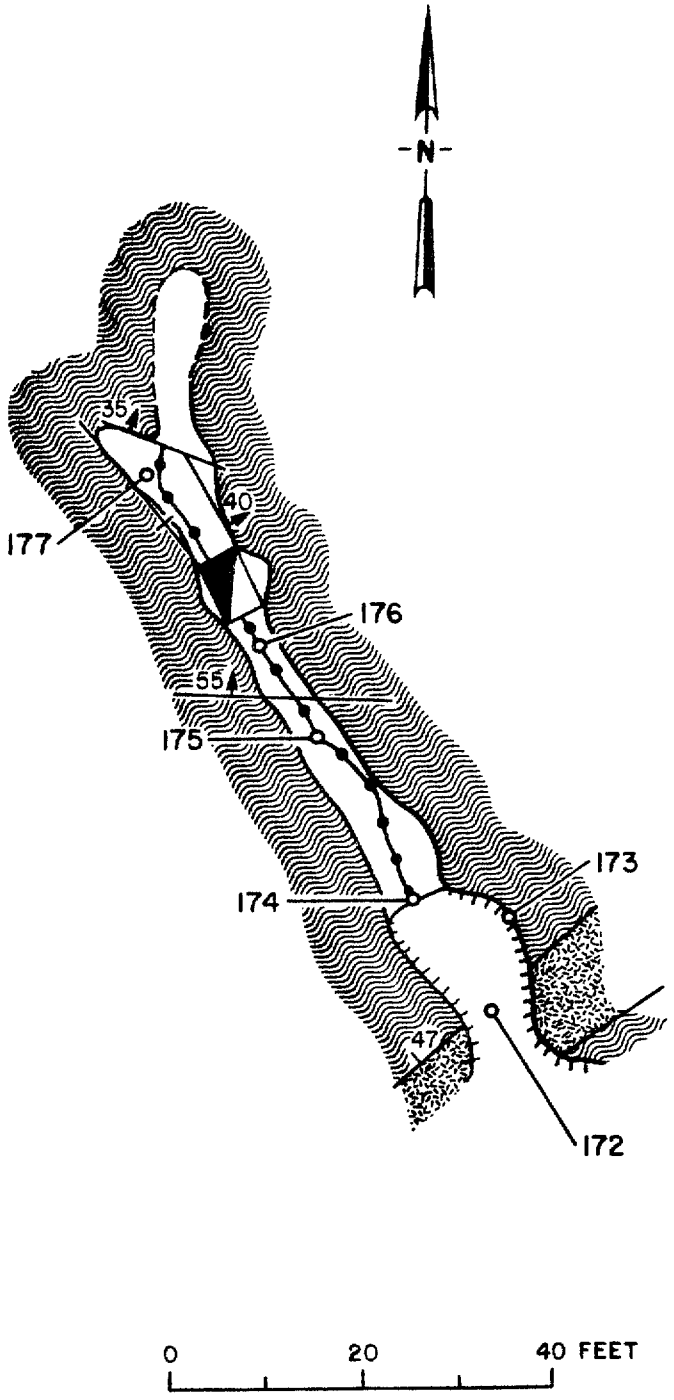


Figure 10.--North adit, Wing Mine.

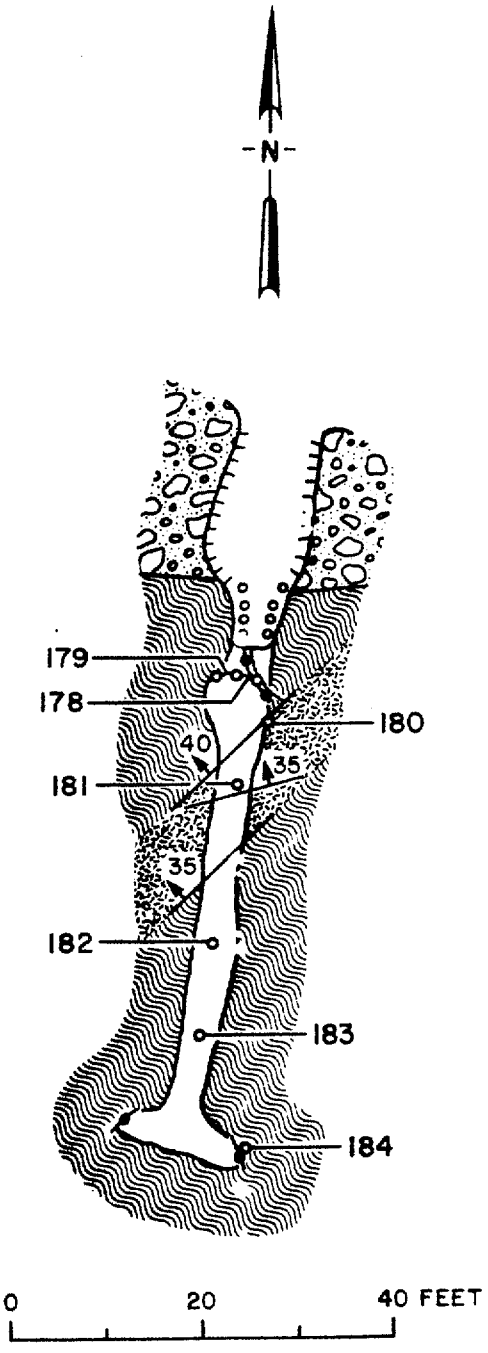


Figure 11.--South adit, Wing Mine.

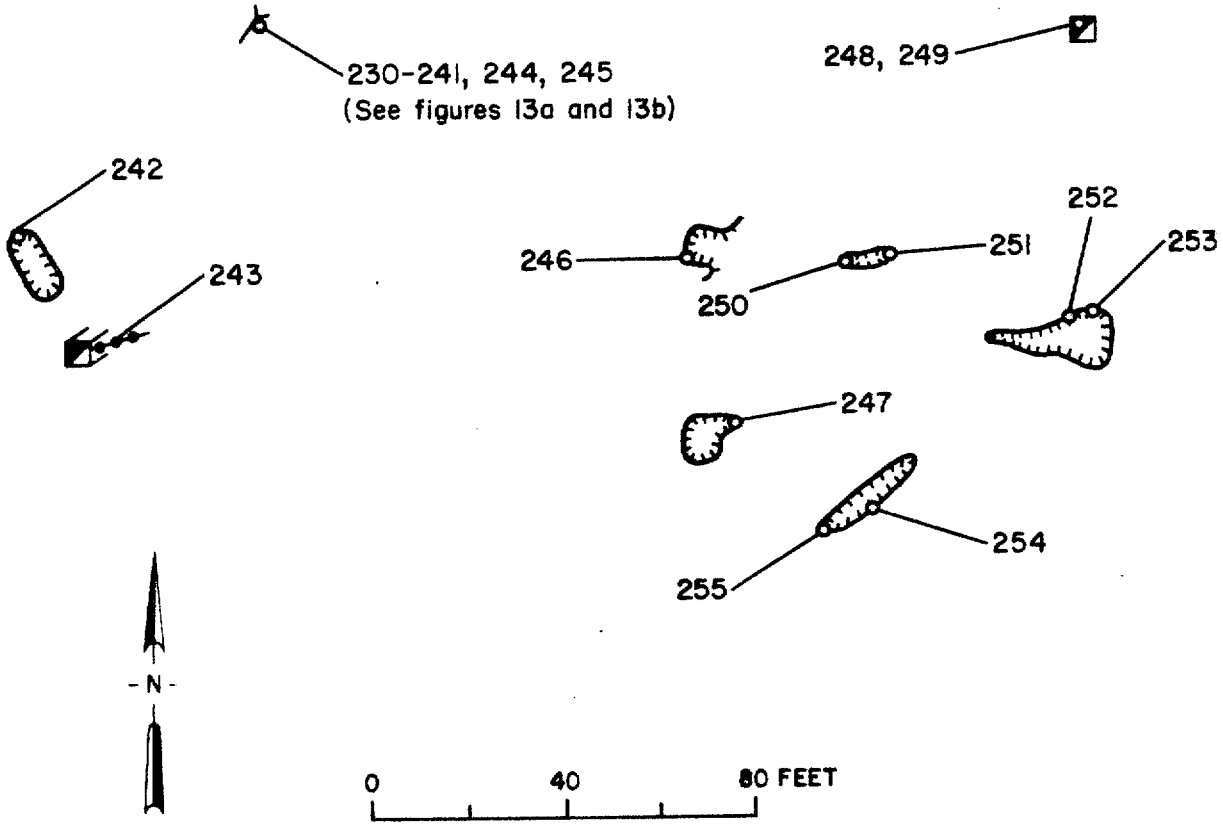


Figure 12.--Surface map, main J & J Mine Workings.

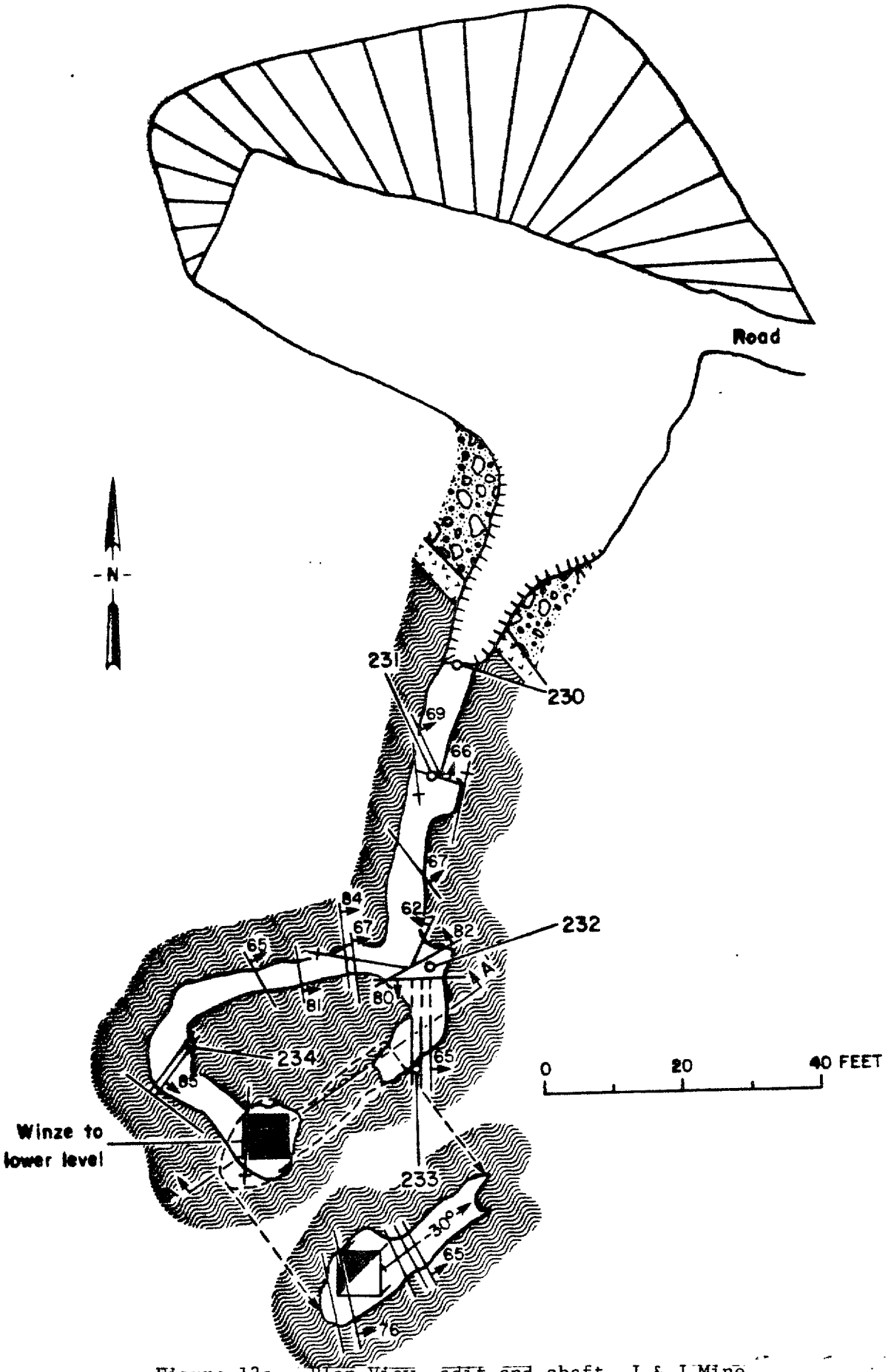


Figure 13a.--Plan View, adit and shaft, J & J Mine.

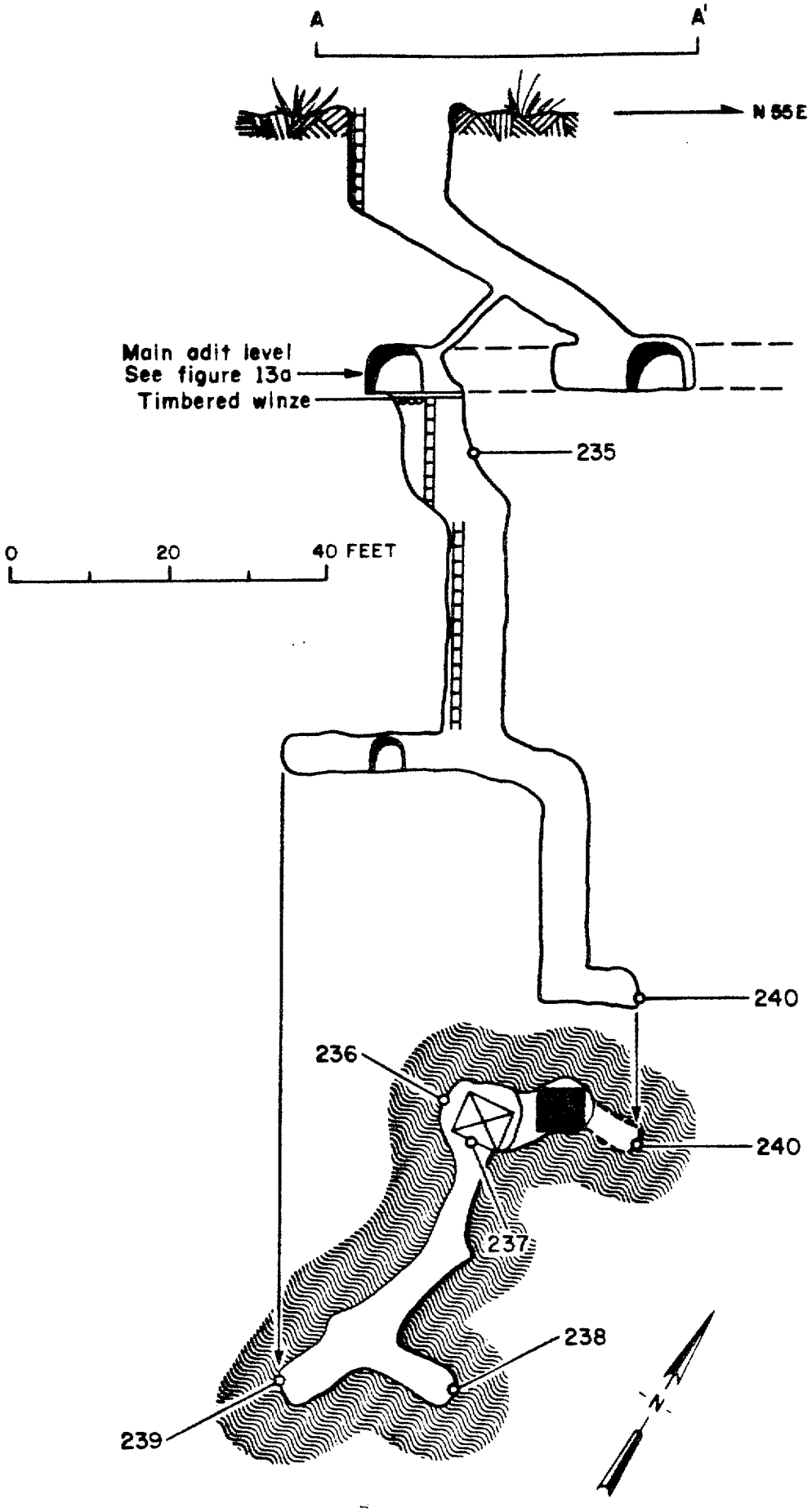


Figure 13b.--Section sketch and plan view of lower level, J & J Mine.

mine contained 0.362 oz gold per ton, 1.6 oz silver per ton, 0.26 percent copper, 0.21 percent lead, and 0.57 percent zinc. A select sample of sulfide bearing quartz from the dump, sample 241, contained 0.158 oz gold per ton, 9.3 oz silver per ton, 1.64 percent copper, 4.30 percent lead, and 0.57 percent zinc. The J & J Mine may have produced 700-800 tons of high-grade ore containing as much as 1 oz gold per ton and several oz silver per ton.

Scotts Well area

The Scotts Well area is near the head of a drainage, locally called Moon Wash, in the W1/2 sec. 7, T. 14 N., R. 18 W. and the E1/2 sec. 12, T. 14 N., R. 19 W. Although there are no records of production, the area is reported to have had significant production from both lode and placer deposits. In the early 1930's Don Barron, Yucca, Arizona, recovered an 8.5 oz gold nugget from a placer shaft in Moon Wash near Scotts Well.

Workings in the Scotts Well area consist of 13 adits ranging in size from 10 to 130 ft long, and numerous prospect pits and trenches (figs. 14-29). Most of the workings were cut on faults or fault zones usually containing a quartz vein. The veins are irregular and discontinuous, locally swelling or pinching out, and contain abundant limonite and hematite with some pyrite, galena, malachite, and sphalerite.

Tables 3-5 list the analytical results of samples 294-366 from the Scotts Well area. Numerous samples contained metal concentrations, and individual samples contained as much as 4.0 oz silver per ton, 1.702 oz gold per ton, 11.0 percent lead, and minor copper and zinc. Resource calculations for a group of workings west of Scotts Well revealed approximately 775 tons of inferred resources containing an average of 0.19 oz gold per ton and 0.62 oz silver per ton.

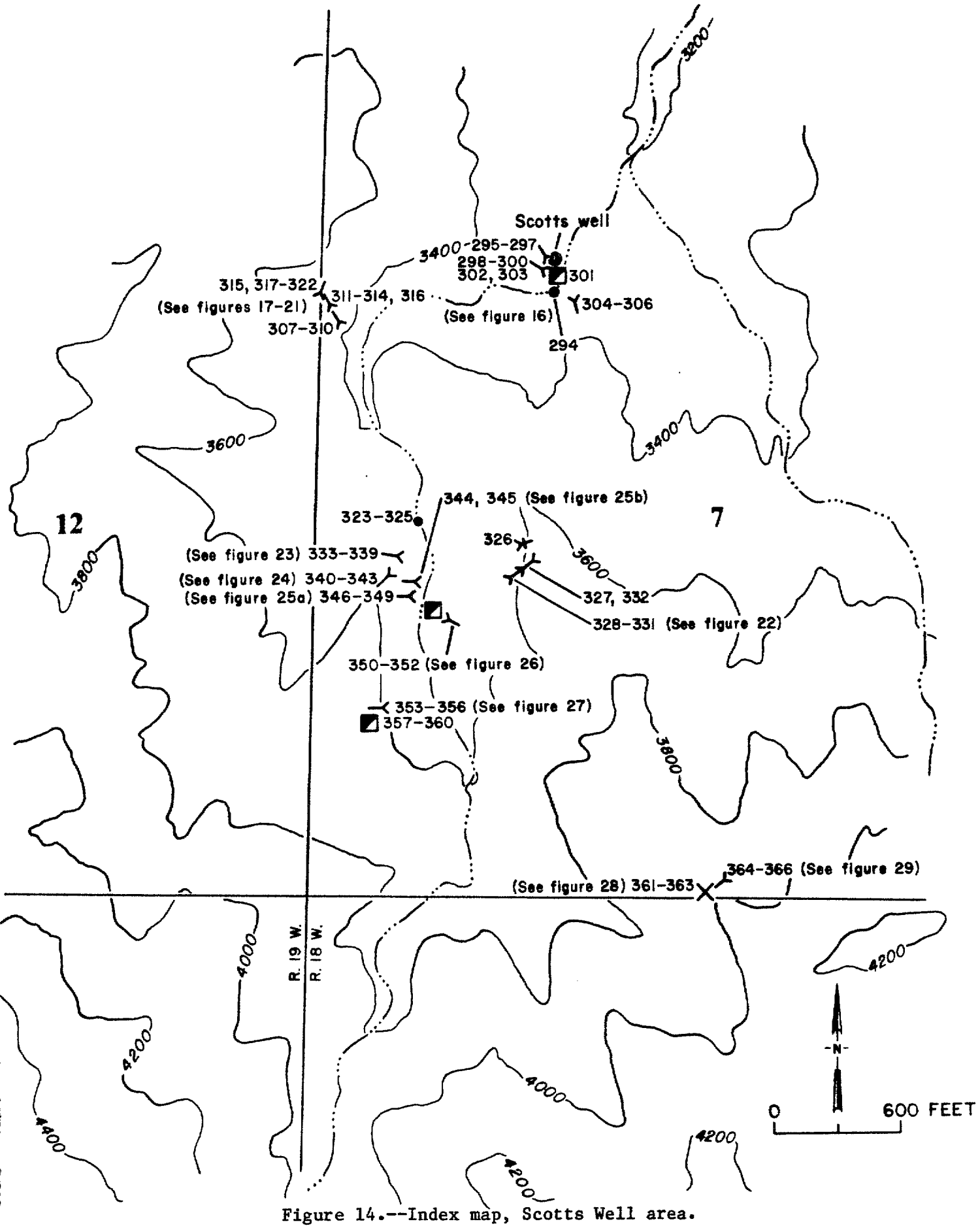


Figure 14.--Index map, Scotts Well area.

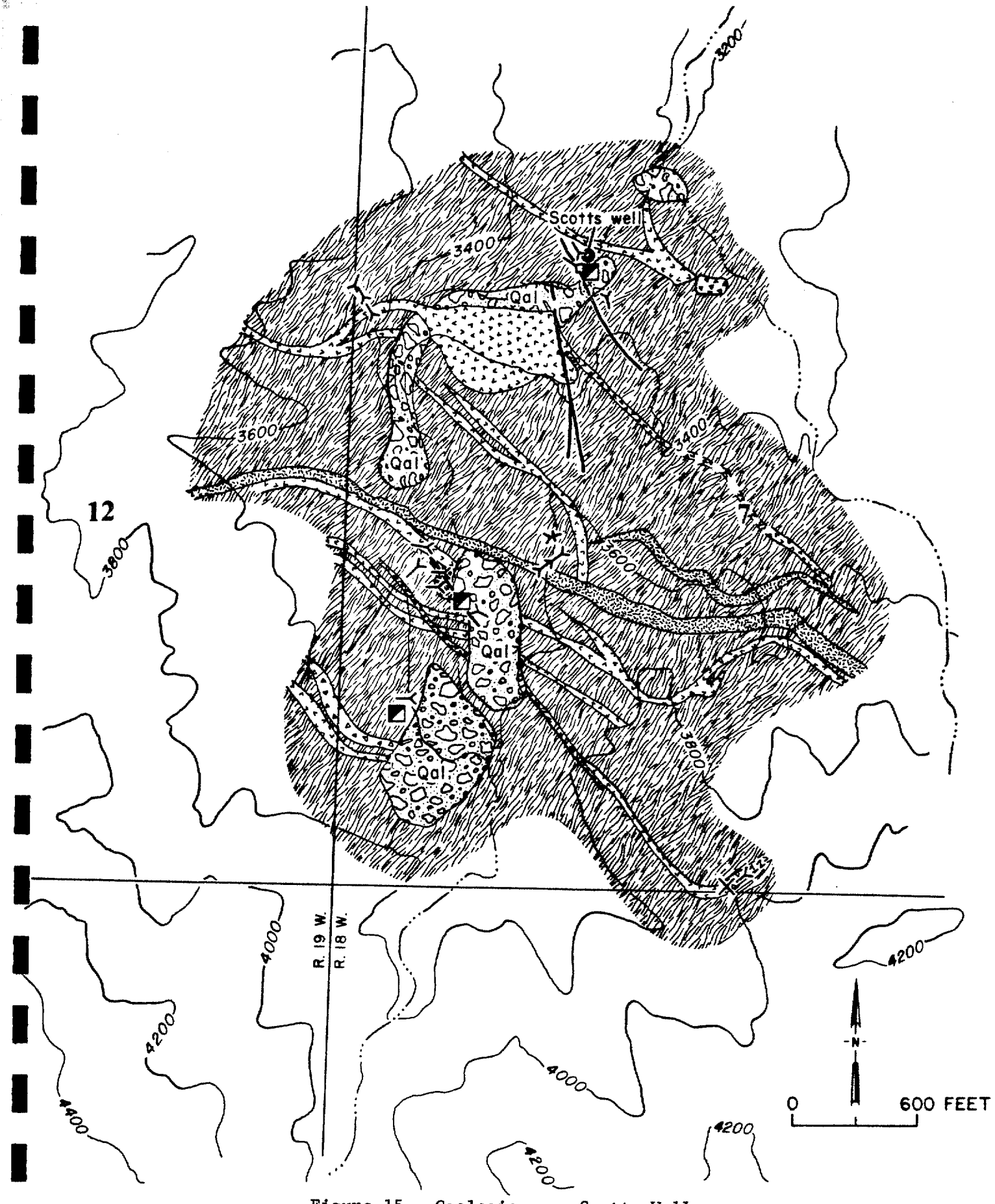


Figure 15.--Geologic map, Scotts Well area.

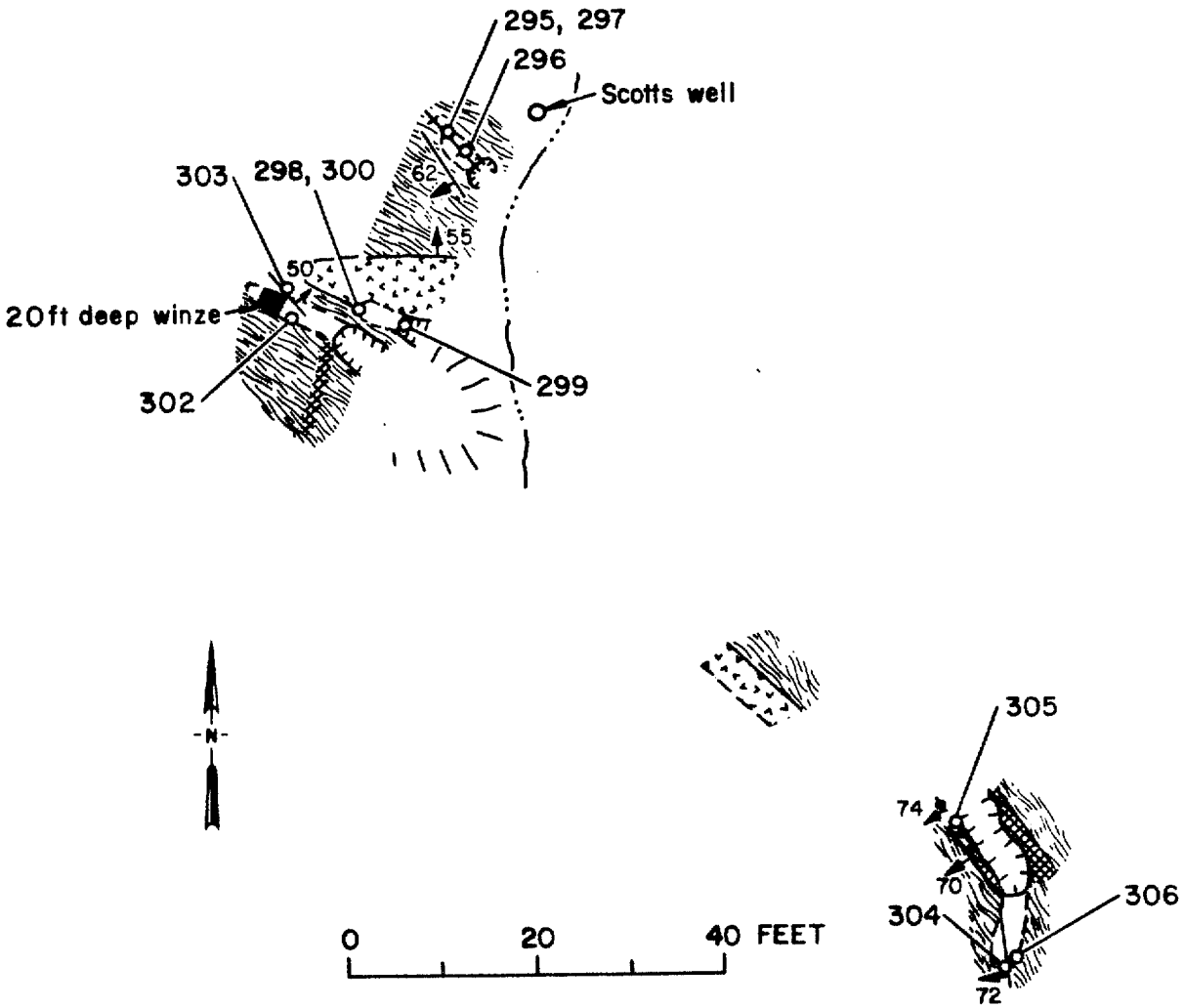


Figure 16.--Workings at Scotts Well.

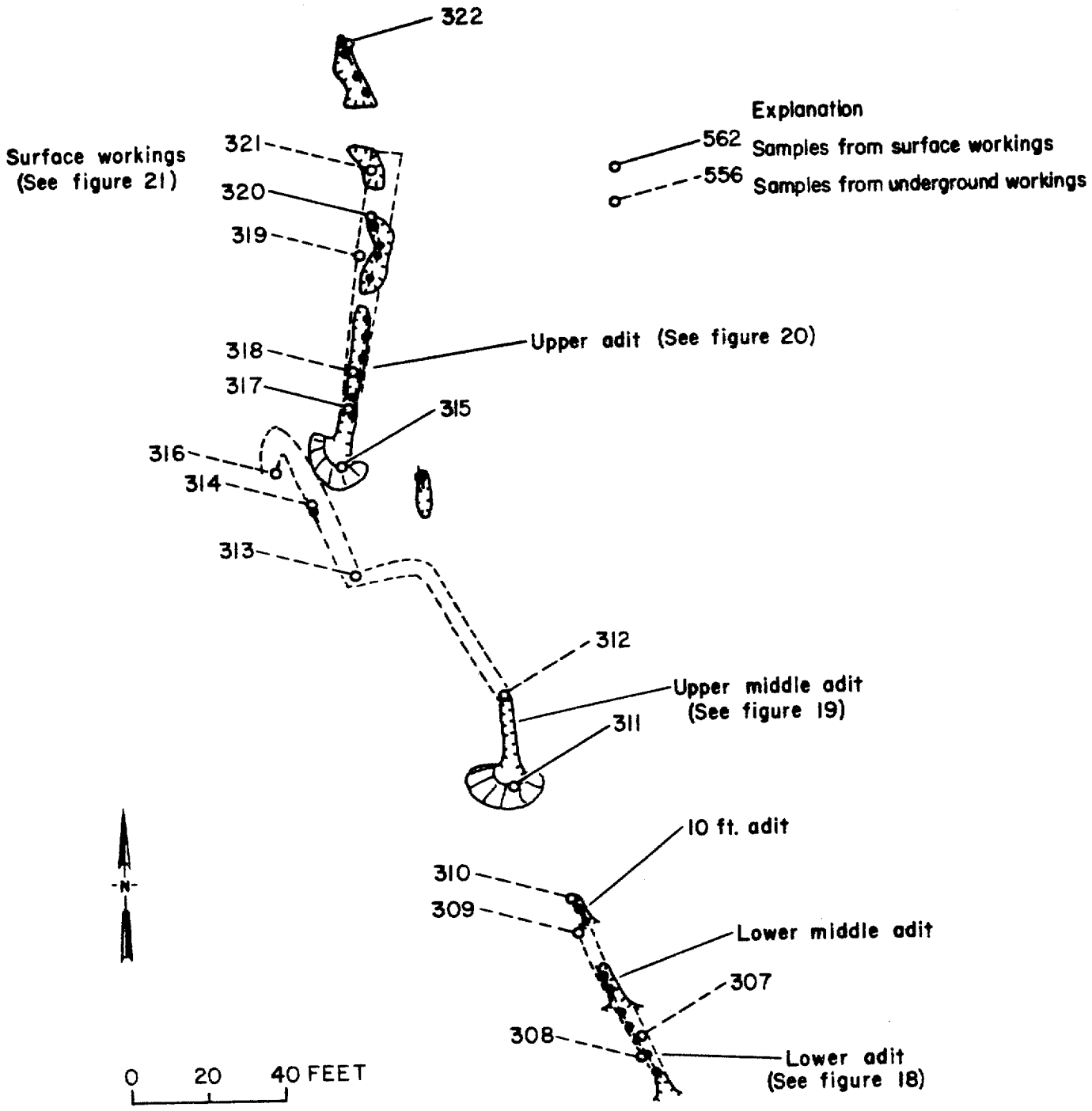


Figure 17.--Adits west of Scotts Well.

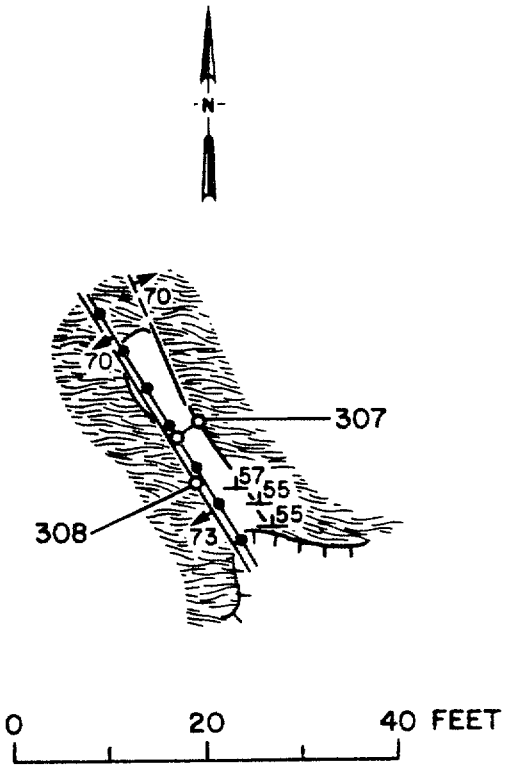


Figure 18.--Lower adit west of Scotts Well.

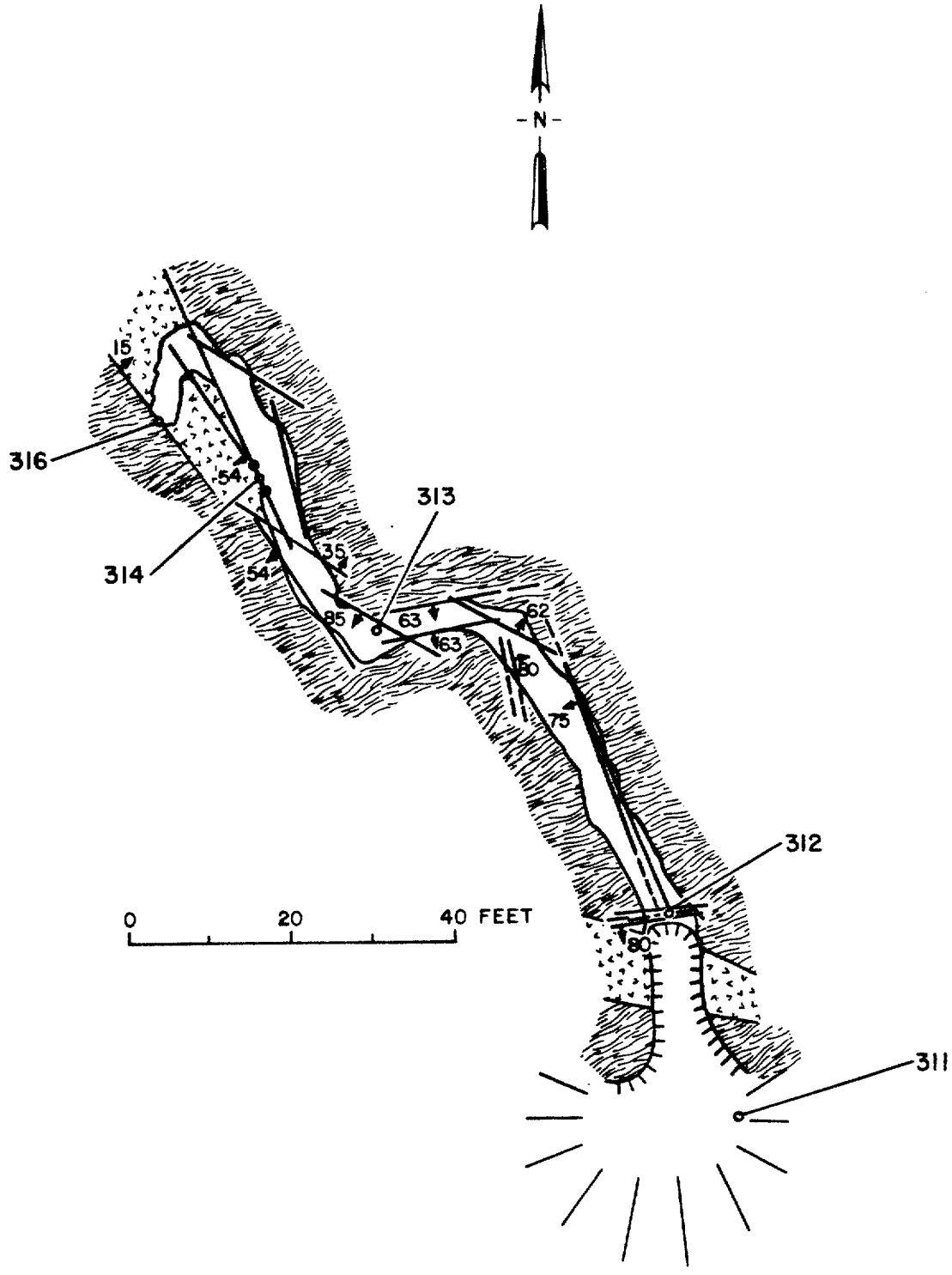


Figure 19.--Upper middle adit west of Scotts Well.

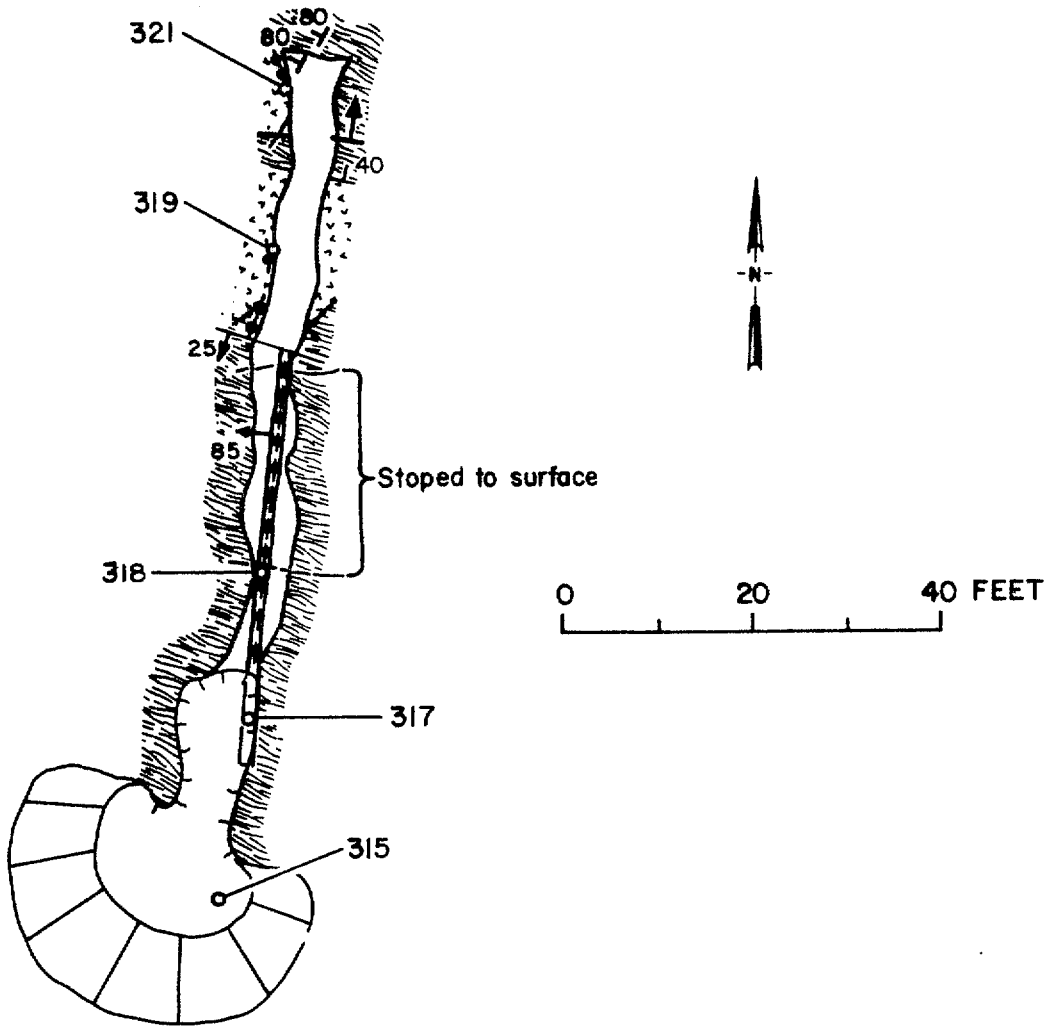


Figure 20.--Upper adit west of Scotts Well.

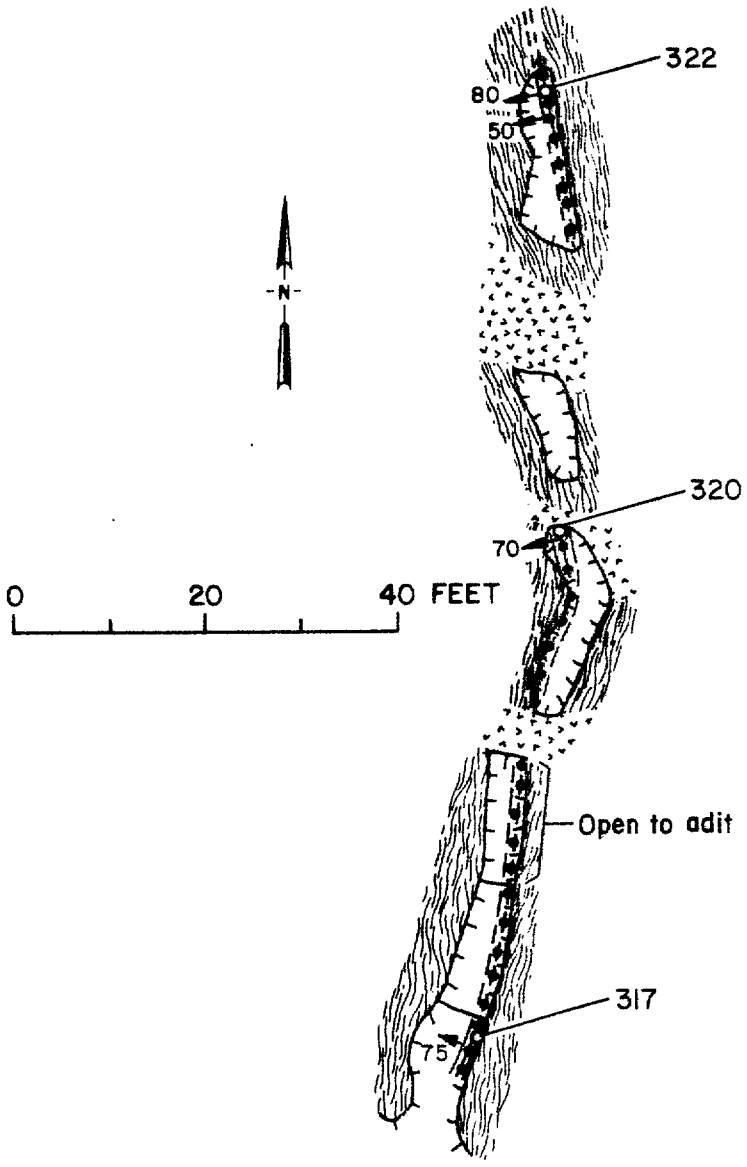


Figure 21.--Surface workings above upper adit west of Scotts Well.

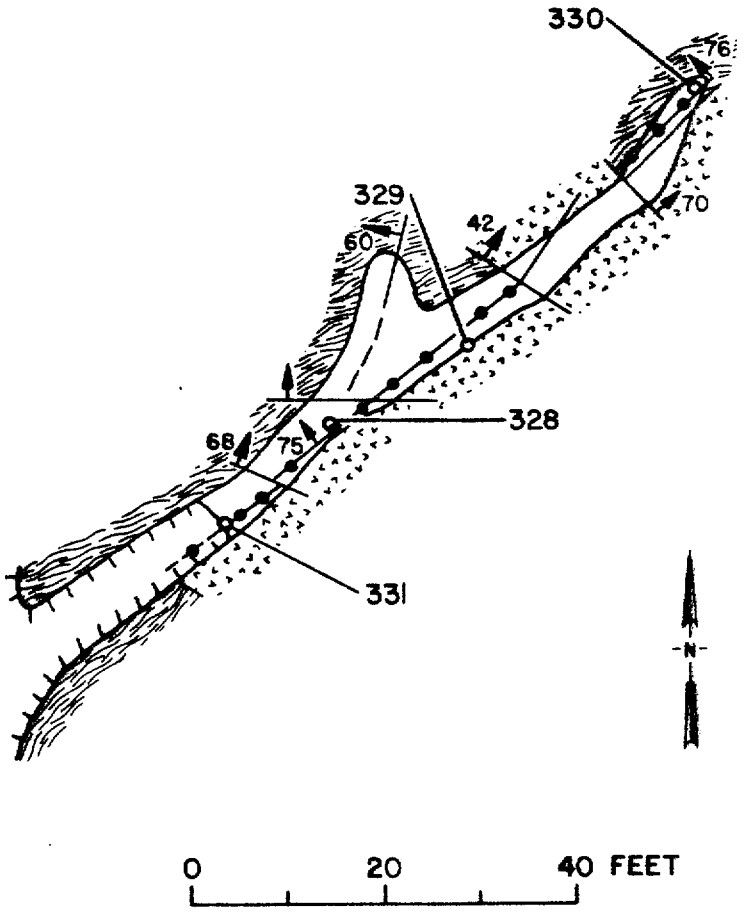


Figure 22.--Adit, Scotts Well area.

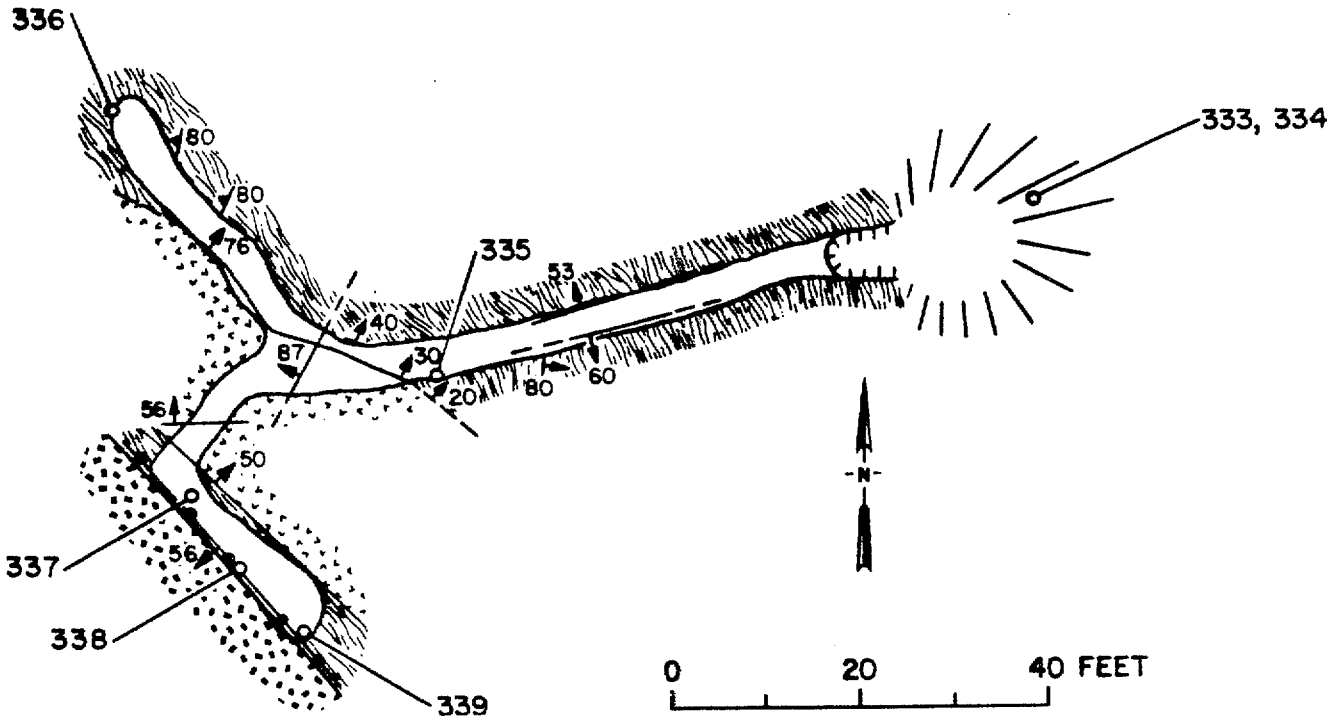


Figure 23.--Adit, Scotts Well area.

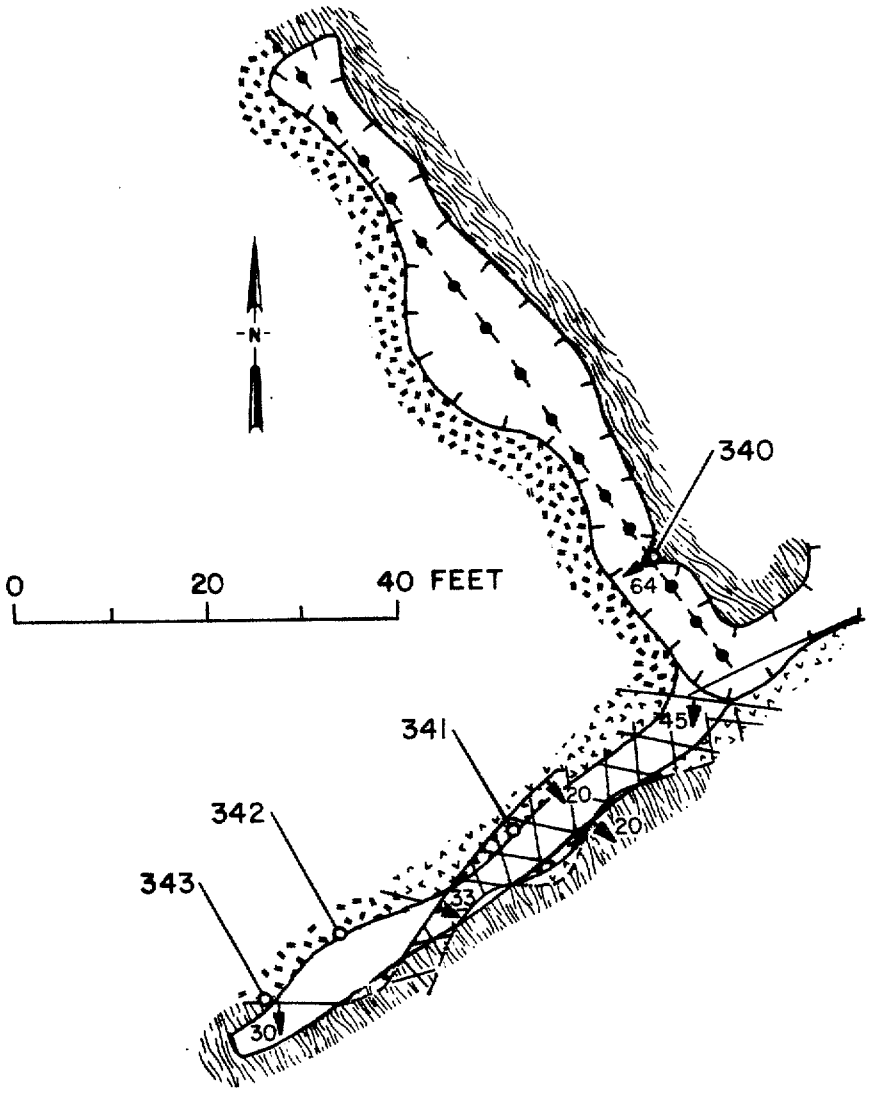
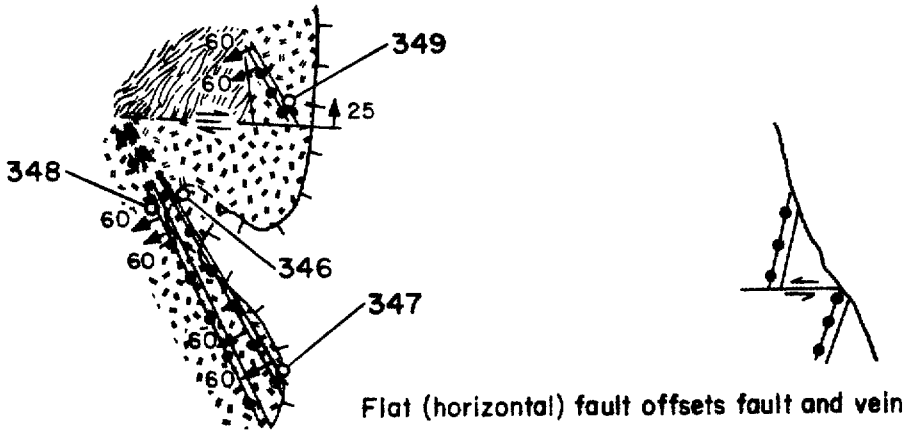
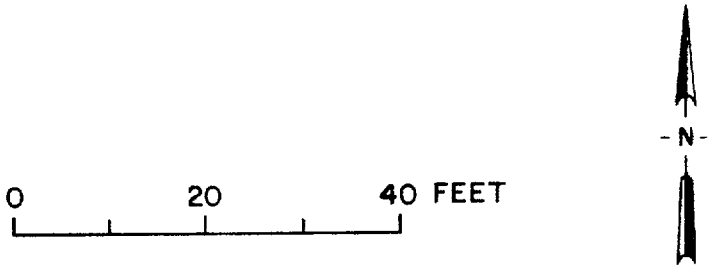
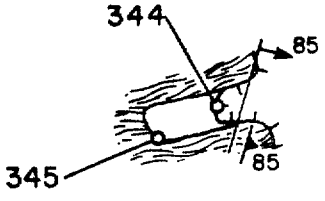


Figure 24.--Adit and trench, Scotts Well area.



a) Small adit across from shaft





b) Small adit across from shaft and to the north

Figure 25 a & b.--Adits near shaft in drainage, Scotts Well area.

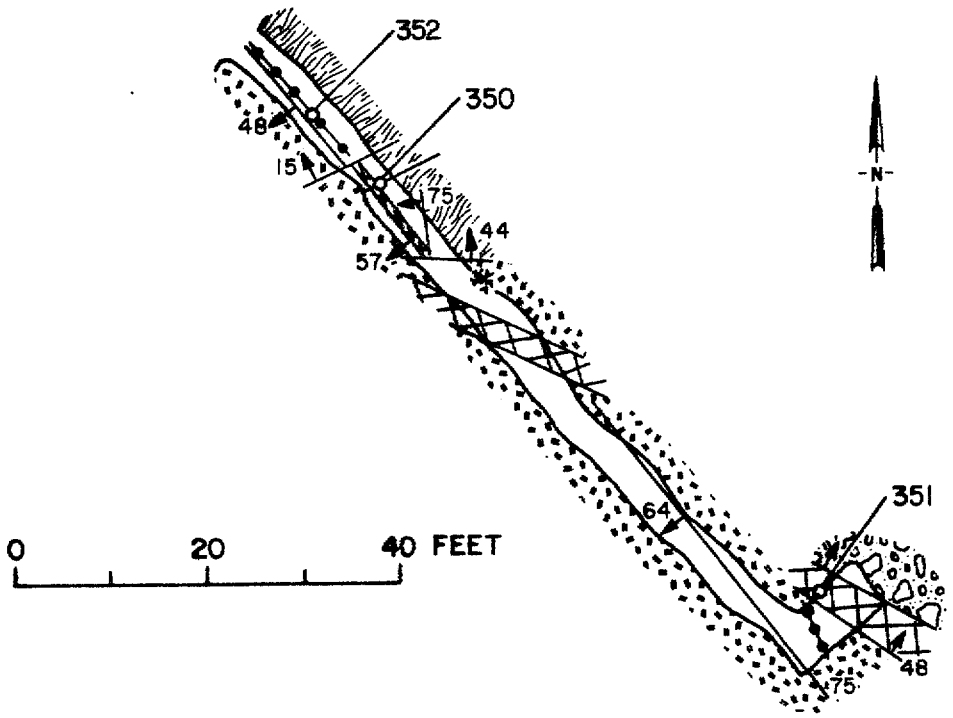


Figure 26.--Adit above shaft, Scotts Well area.

26

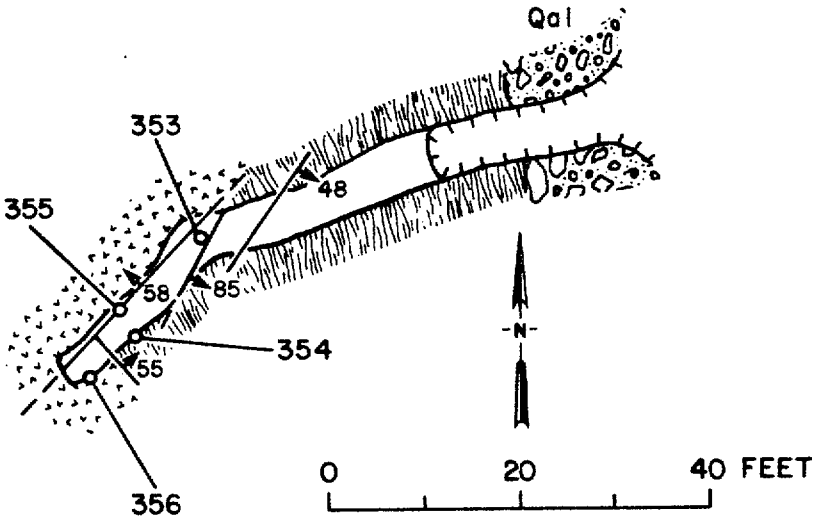


Figure 27.--Adit, Scotts Well area.

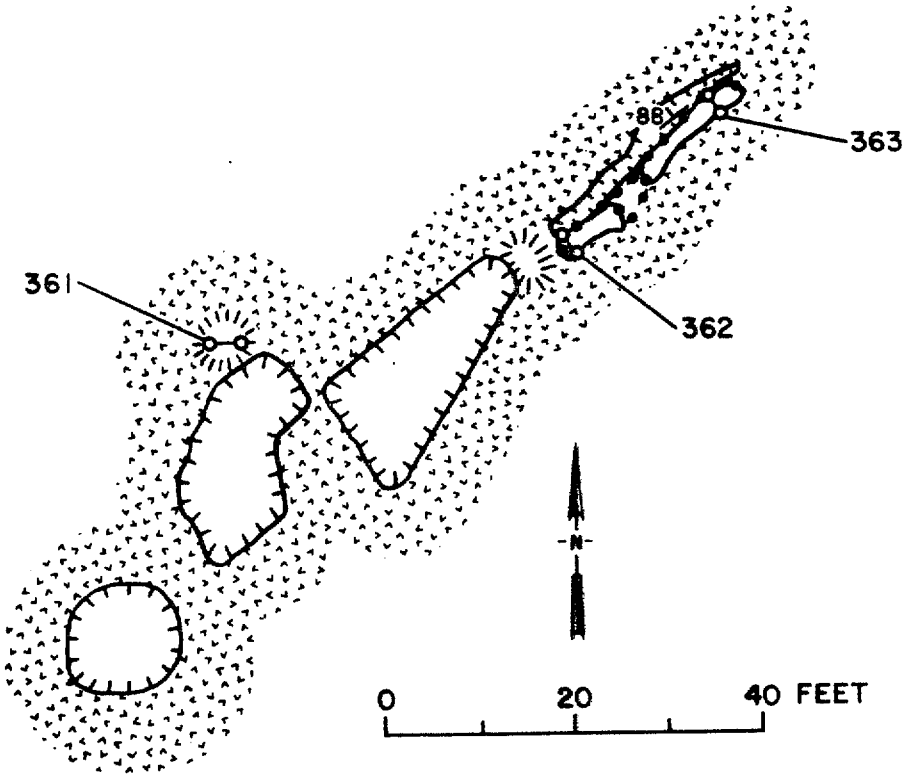


Figure 28.--Southernmost surface workings, Scotts Well area.

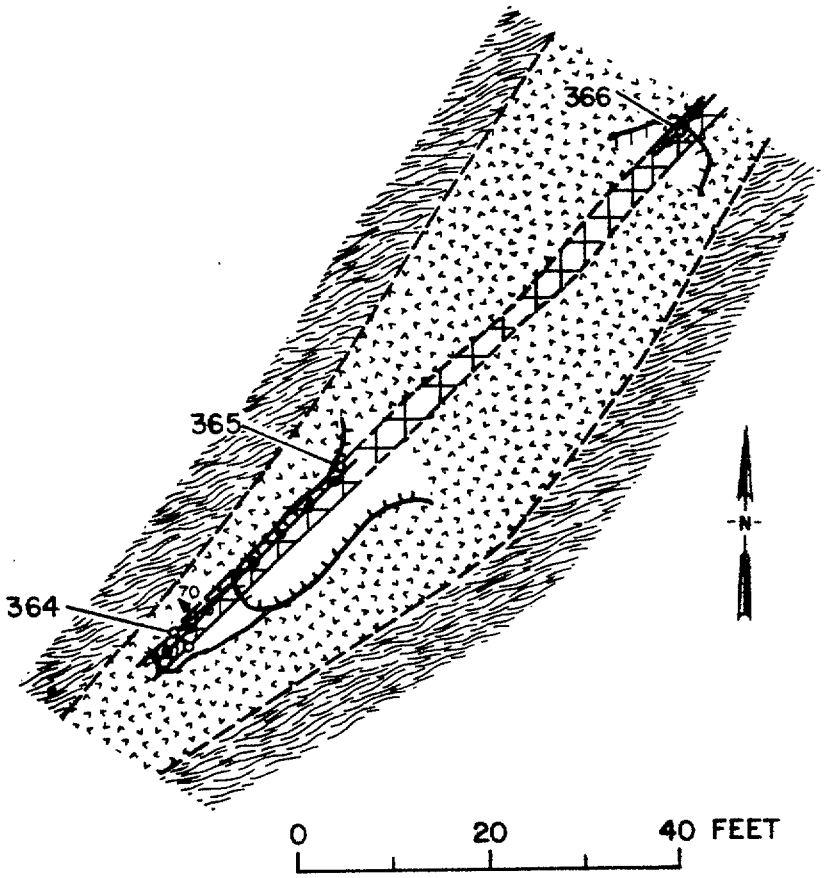


Figure 29.--Southernmost adit and pit, Scotts Well area.

Sunset (Lead Bullet) Mine area

The Sunset Mine area is in the east-center of sec. 13, T. 14 N., R. 19 W., and the west-center of sec. 18, T. 14 N., R. 18 W., at 4,500 ft elevation. Originally called the Lead Bullet, the Sunset Mine is in a direct line between the Scotts Well area and the Sunrise Mine, and lies on the same fault and vein structure as the Sunrise Mine. This relationship indicates that mineralization in the Sunset Mine area was controlled by the same structure that controlled mineralization at the Sunrise Mine and at Scotts Well.

The Sunset area is accessible by trail from the Sunrise Mine on the south, or by following Moon Wash to the head of the drainage. There is no record of production from the workings in the Sunset Mine area, but there may have been some high-grade ore hauled out by mule. In 1981, the Sunset claims were held by Homer French and others, Bullhead City, Ariz.

Workings in the Sunset Mine area include several prospect pits and 5 adits ranging from 10-110 ft long (figs. 30-32). Most of the workings follow a north to northeast trending fault zone with a quartz vein containing abundant limonite, hematite, pyrite, galena, chalcopyrite, and malachite. Tables 3-5 list the analytical data for samples 367-370 and 374-407, collected from the Sunset Mine area. Sample 387 from a small stockpile of quartz vein material near the main adit of the Sunset workings contained 2.2 oz silver per ton, 2.05 percent lead, and minor gold. Sample 406, cut across a small quartz vein in a 22-ft-deep inclined shaft several hundred feet east of the main workings, contained 0.578 oz gold per ton, 0.6 oz silver per ton, 0.14 percent copper, 1.85 percent lead, and 0.11 percent zinc.

Sunrise Mine

The Sunrise Mine comprises the largest accessible group of workings in the Crossman Peak area (fig. 33). The patended claim is approximately 2,000 ft

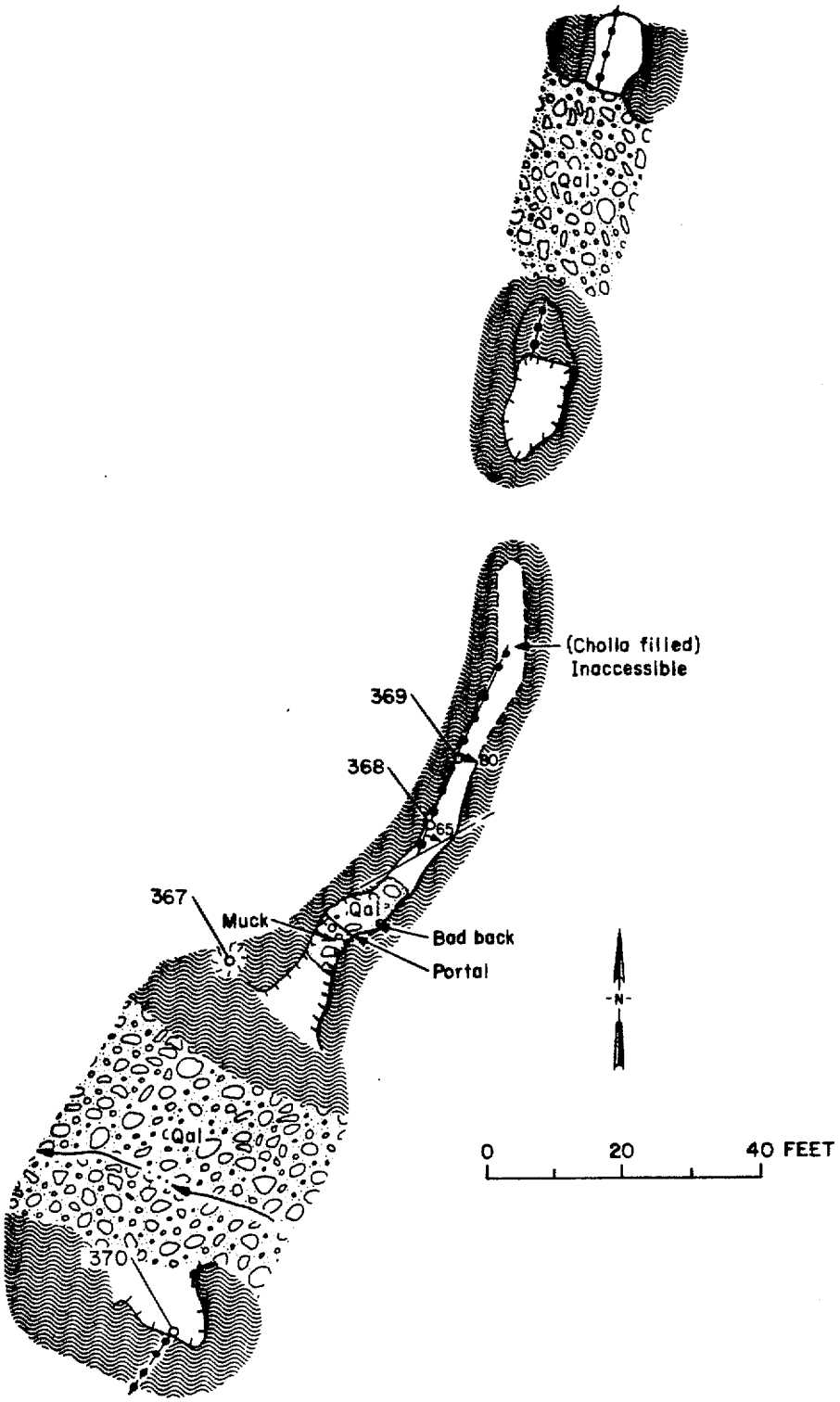
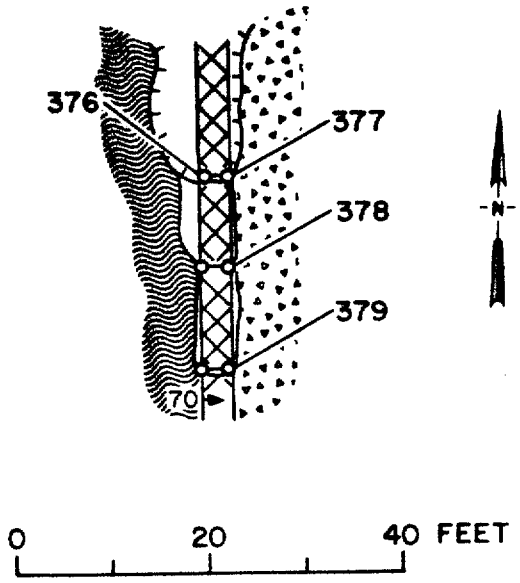
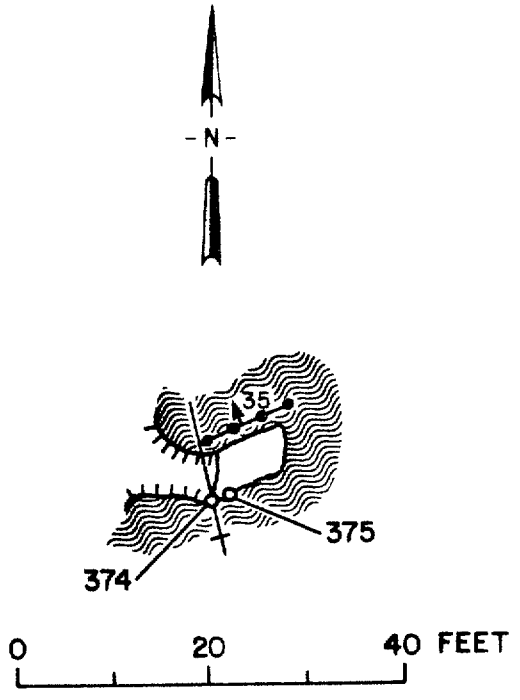


Figure 30.--Adit and workings in drainage, Sunset Mine area.



(a)



(b)

Figure 31 a & b.--Adits, Sunset Mine area.

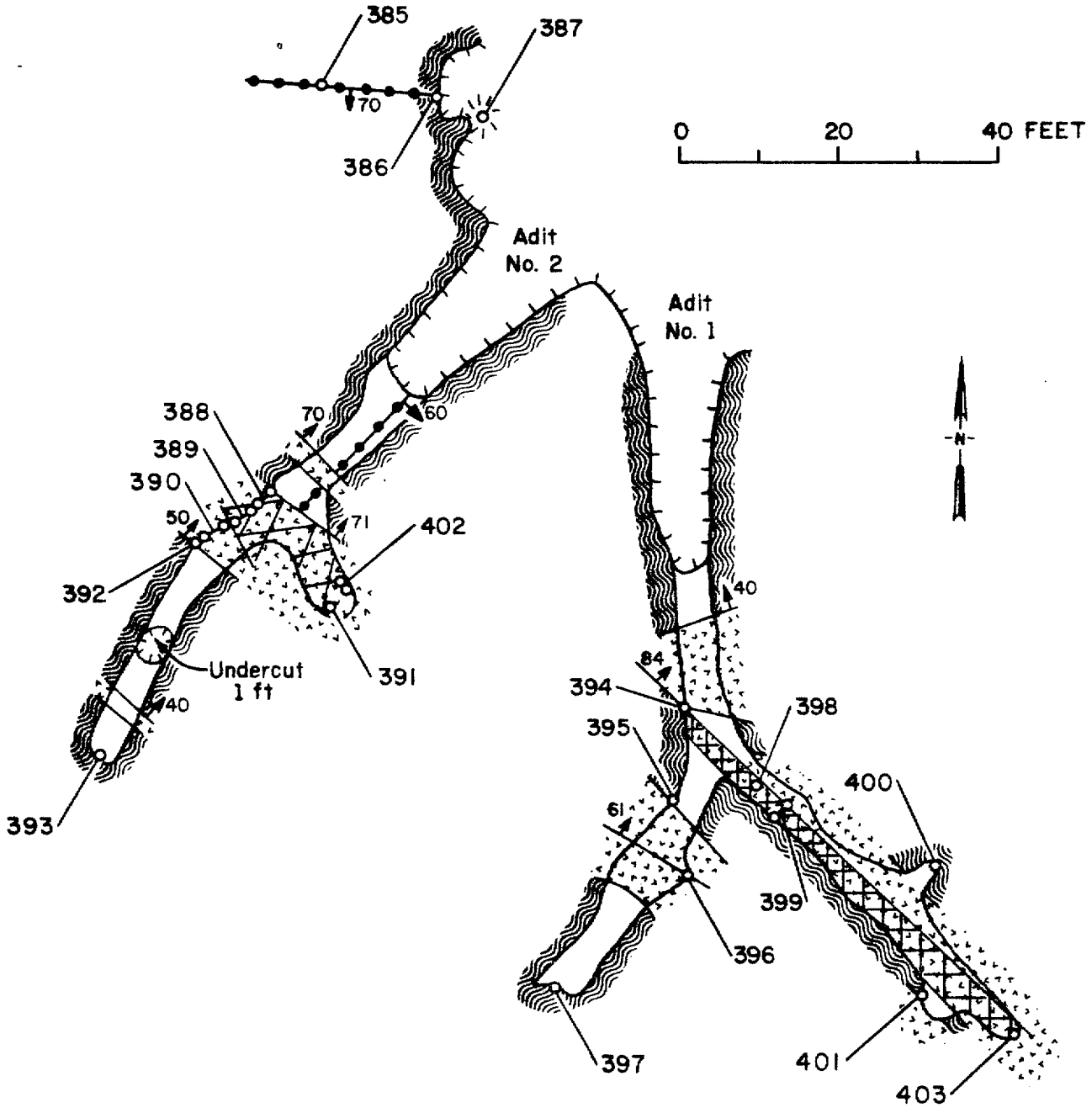


Figure 32.--Adit no. 1 and no. 2, Sunset Mine.

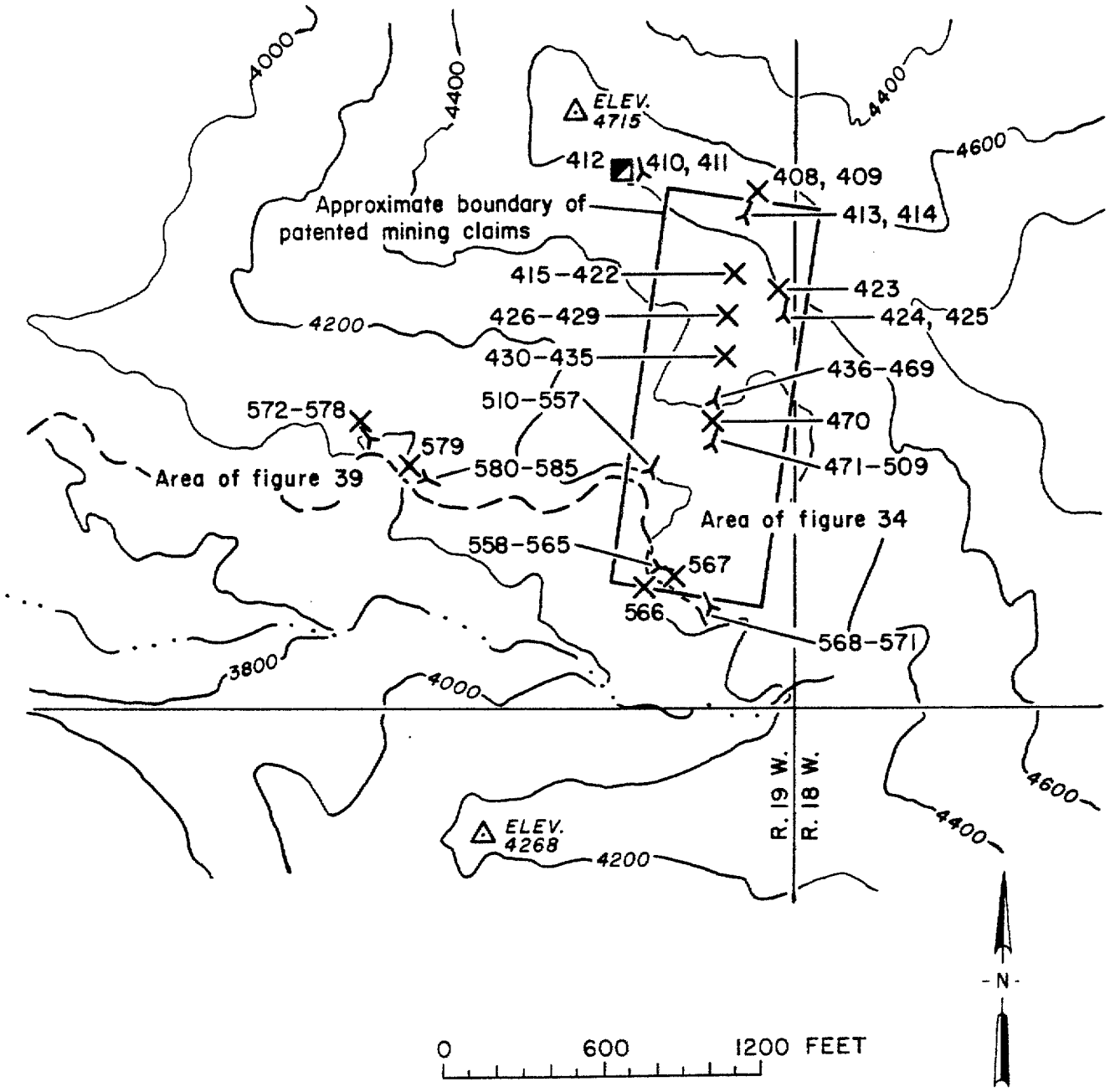


Figure 33.--Index map, Sunrise Mine area.

west of and 700-900 ft lower than Crossman Peak, in the SE1/4 sec. 13, T. 14 N., R. 19 W. and is completely surrounded by the WSA. Access is by a 4-wheel drive road which follows Falls Springs Wash.

Originally located in 1890, patented in 1900 by Edith Beckner, and operated in 1903 by J. Rogers, the Sunrise Mine is reported to have been worked exclusively for gold. (Roy Eaton, Yucca, Ariz., oral communication, 1980). Although no record of production could be located, the extent of workings indicate that approximately 10,000 tons of ore were mined. Several adits and numerous pits and trenches were cut on a quartz vein in a fault zone striking N. 10-30° E., and dipping vertical to 65° SE. (fig. 34). The main adits were driven at three levels, with each level having 750 to 1,000 ft of workings (fig. 35-37). Ore chutes, raises, and stopes from the lower level indicate that there is probably at least one inaccessible drift between the lower and middle adits.

A 140-ft-long adit, southwest of the main workings, was driven into and along a northwest-trending cross fault (fig. 38). Apparently this fault is not cognate with the primary northeast-trending Sunrise fault/vein system, because sample analyses did not reflect mineralization detected in the main workings.

The quartz vein and fault at the Sunrise Mine are exposed northeastward, over the ridge extending northwest from Crossman Peak, to the Sunset Mine. The exposed length of the structure is about 1-1/2 mi. The relationship between the mineralization at the Sunrise, Sunset, and Scotts Well Mines is not known. However, the relative positions, the consistency of strike of structural features, and the similarity of mineralization indicate that the areas are genetically related.

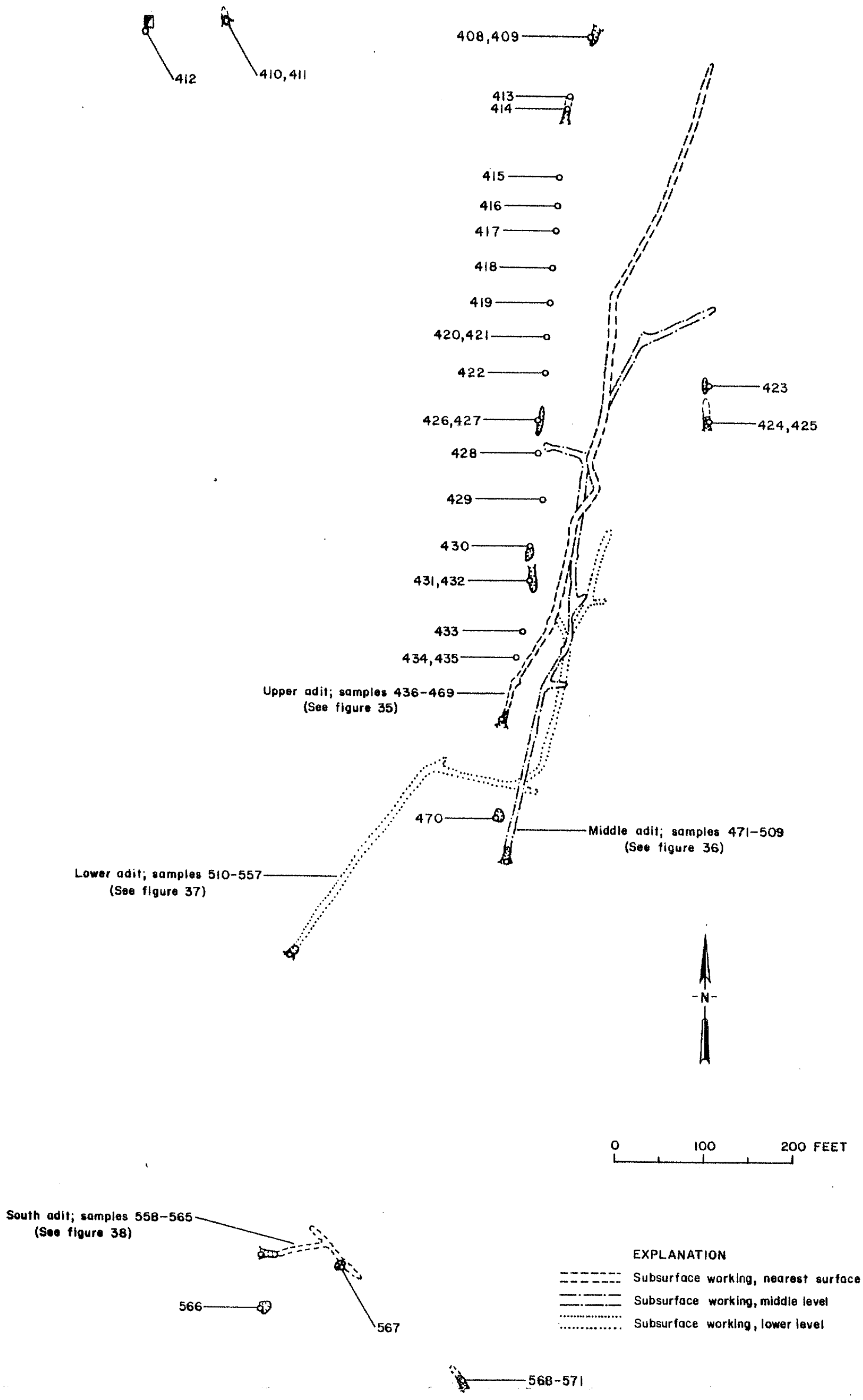


Figure 34.--Sunrise Mine workings.

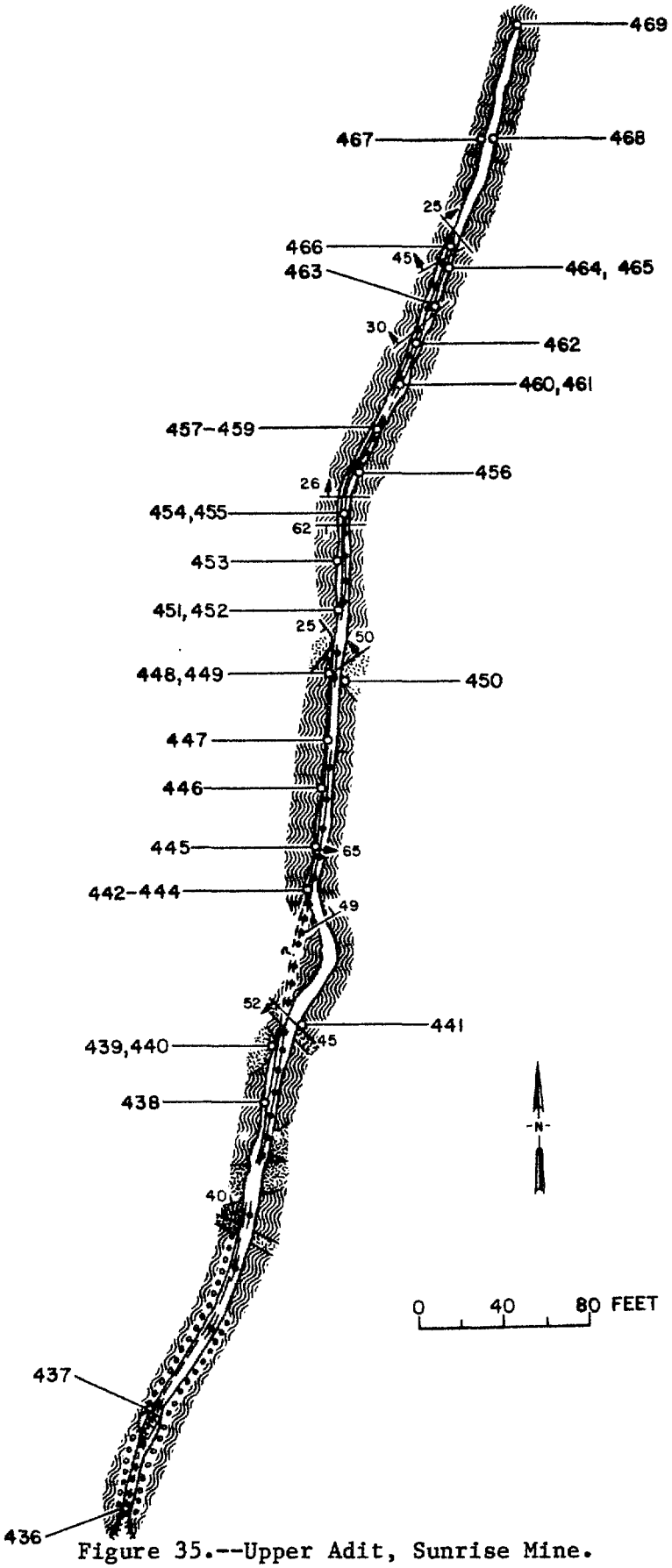


Figure 35.--Upper Adit, Sunrise Mine.

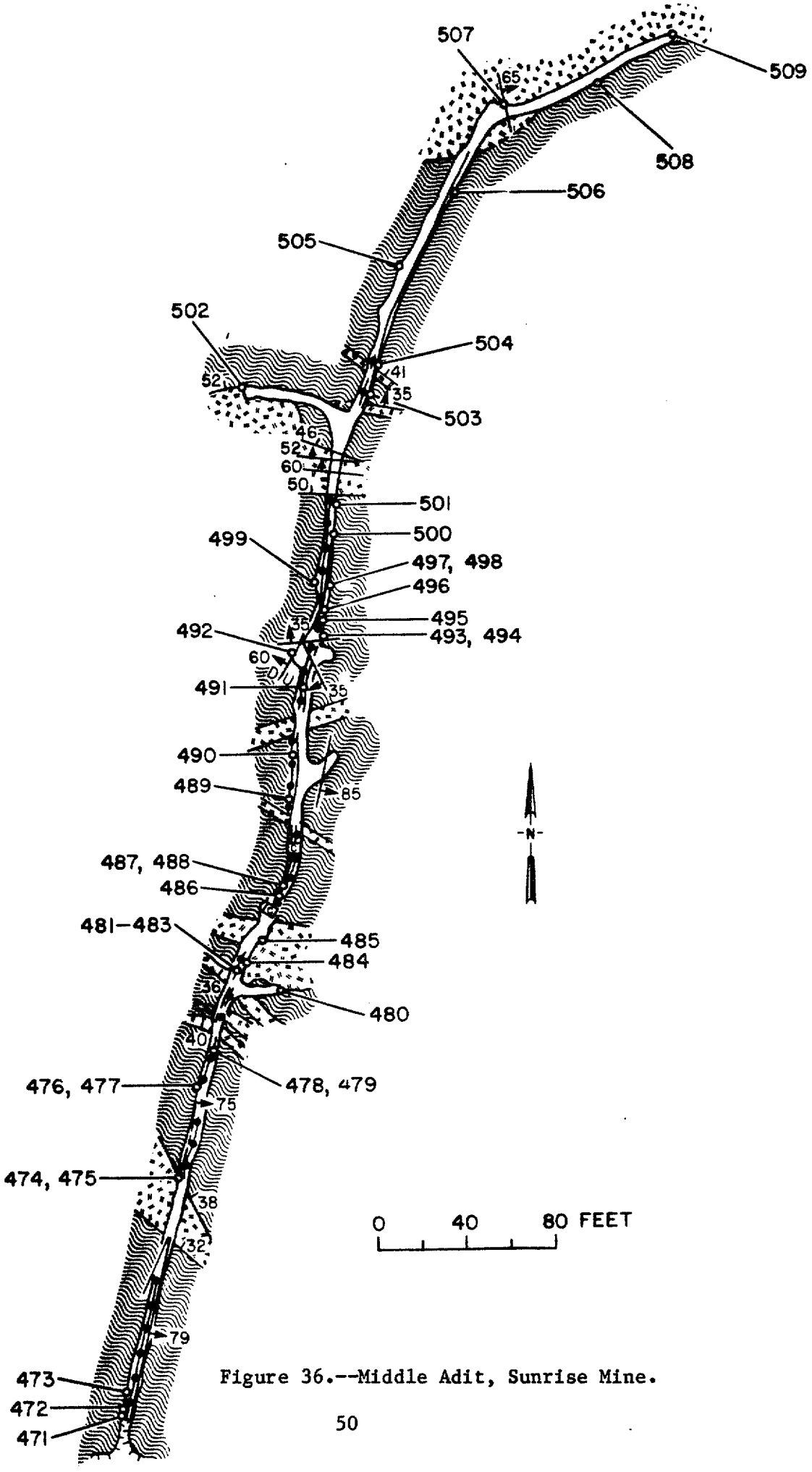


Figure 36.--Middle Adit, Sunrise Mine.

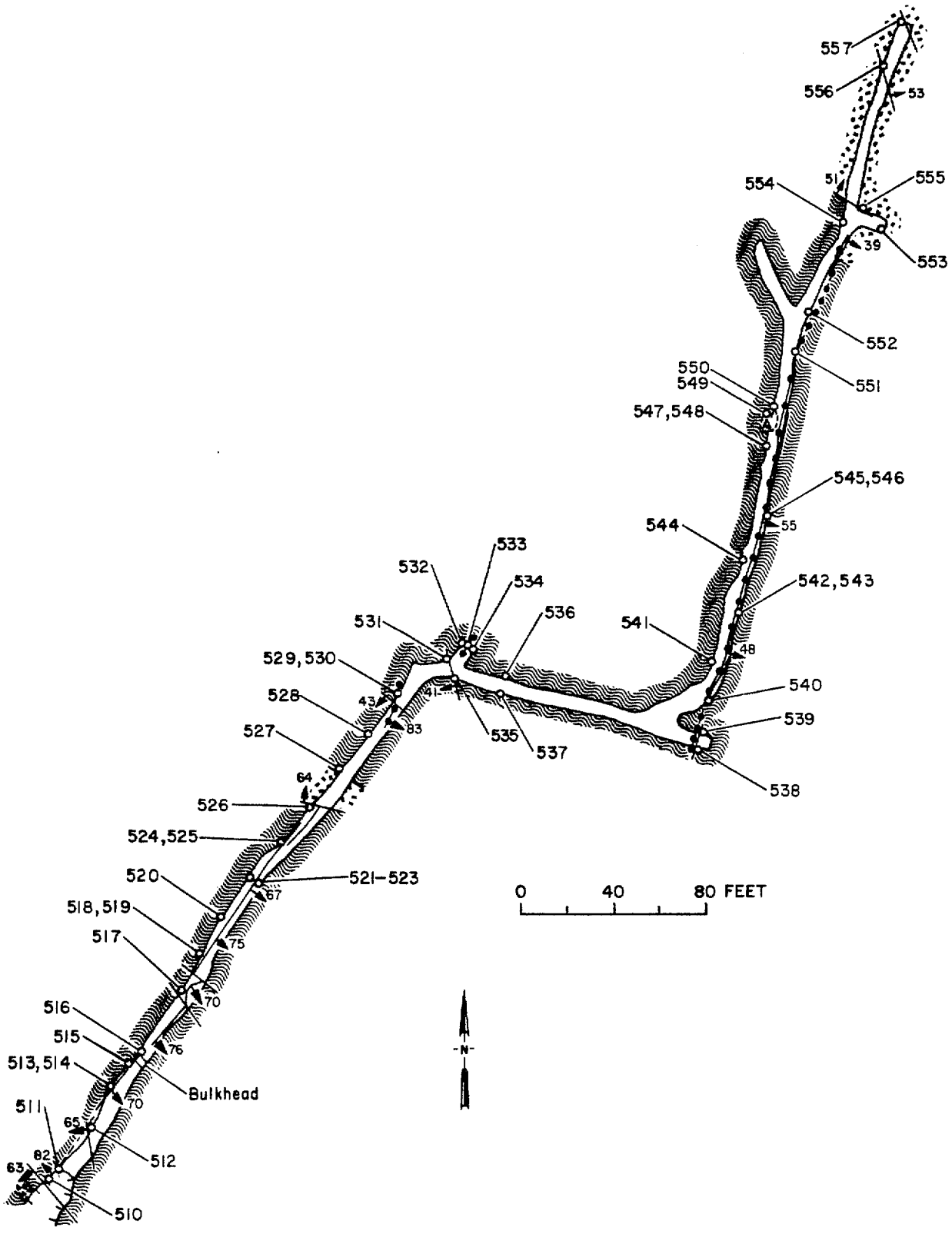


Figure 37.--Lower adit, Sunrise Mine.

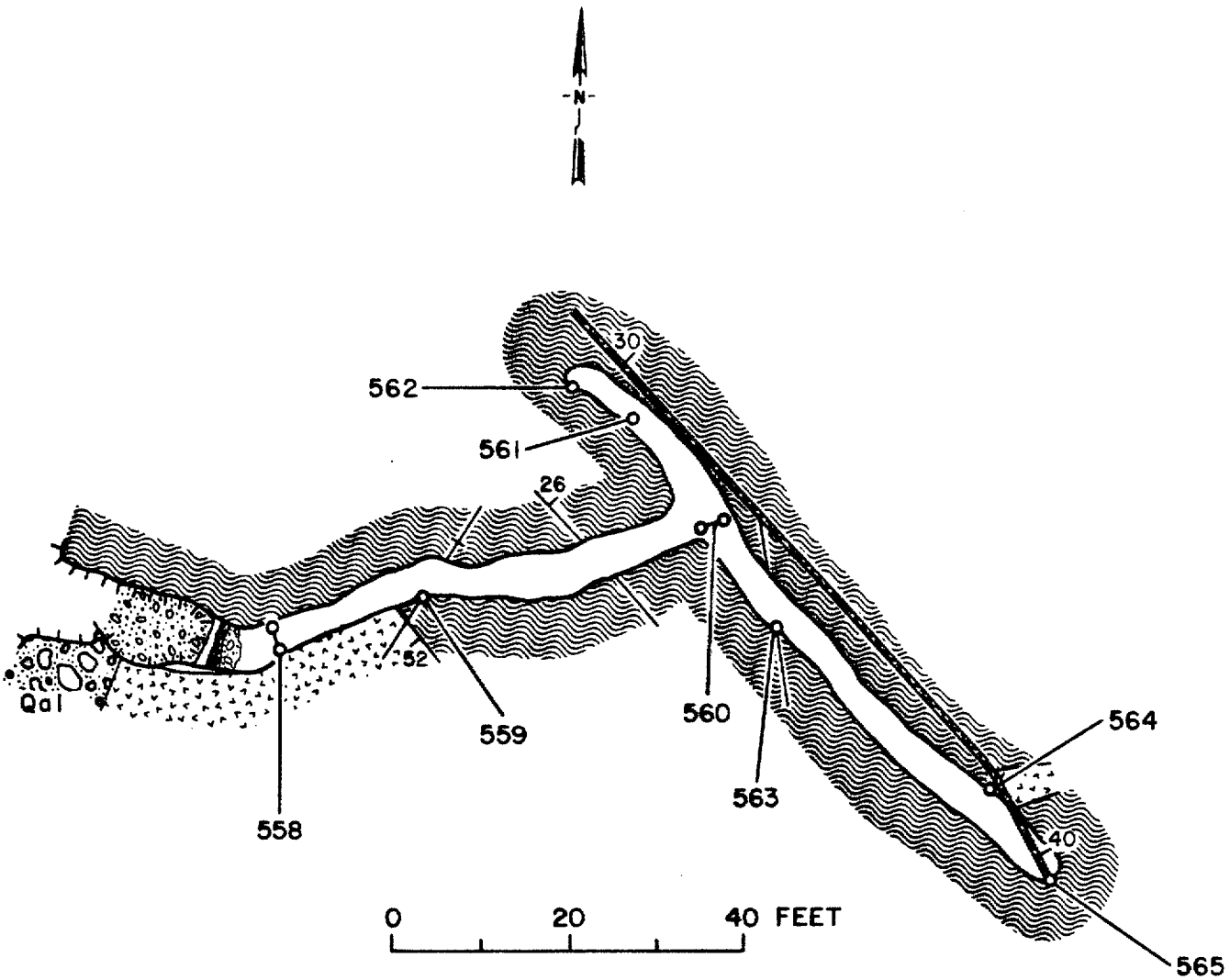


Figure 38.--South Adit, Sunrise Mine.

Analytical results for samples 408-571 from the Sunrise Mine area are listed in tables 3-5. Of these 164 samples, 101 contained various concentrations of gold up to a high of 2.182 oz per ton. Silver values occurred in 33 samples with a high of 4.0 oz per ton. The highest concentrations observed for other metals in the Sunrise Mine area included 8.5 percent lead, 2.50 percent zinc, and 0.20 percent copper. Additional resources of gold, silver, and lead are apparently present at the Sunrise Mine, but claim owners requested that the resource information not be released.

Two adits, a trench, and two prospects were cut along a northwesterly trending fault zone with quartz vein about 1/4 mi west of the main Sunrise workings (fig. 39). The vein contained abundant pyrite and galena.

Samples 572-585 were collected from the workings, and all contained gold. Gold content ranged from trace amounts to 2.04 oz per ton, while four of the samples contain silver values from 0.2-2.0 oz per ton. Two samples also contained 3.50 percent and 2.50 percent lead. Inferred resources of approximately 480 tons containing an average of 0.20 oz gold per ton and 0.18 oz silver per ton were calculated from these samples. Complete analytical data for samples 572-585 are listed in tables 3-5.

R & R Mine

The R & R Mine comprises an inclined shaft and a caved adit in the NW1/4 sec. 24, T. 14 N., R. 19 W. at an elevation of approximately 3,400 ft. The workings are accessible by 2 mi of nonmaintained dirt road. There is no known record of production from the R & R Mine, however the size of the workings and the dump suggest that some high-grade ore could have been produced.

The 55° inclined shaft is 40 ft deep with 70 ft of drift at the base, and a 15-ft-long drift at 10 ft deep (fig. 40). A 65-ft-long adit was driven southeast, from 30 ft southeast of the shaft (fig. 41). The workings intersect

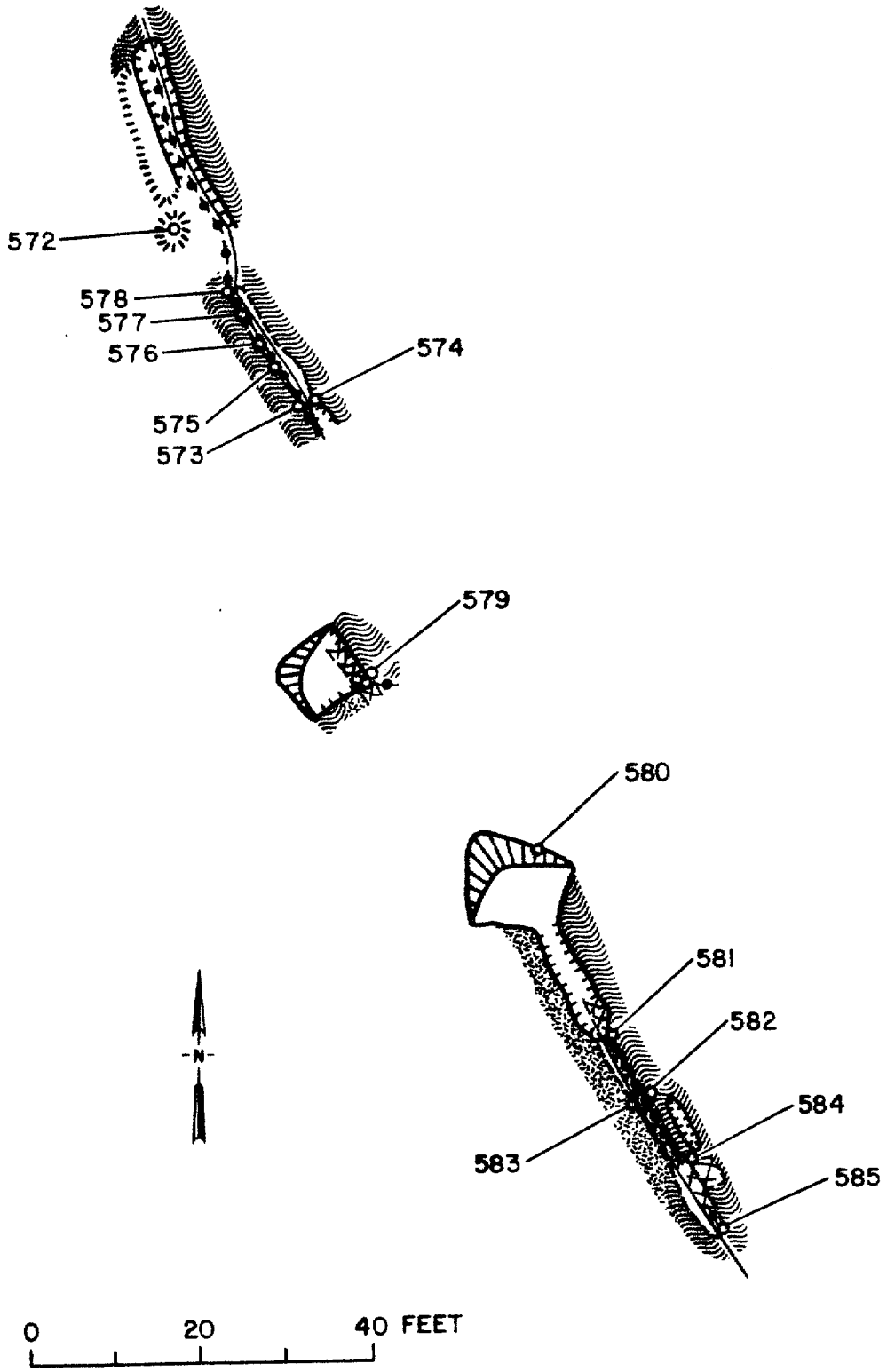


Figure 39.--Workings west of Sunrise Mine.

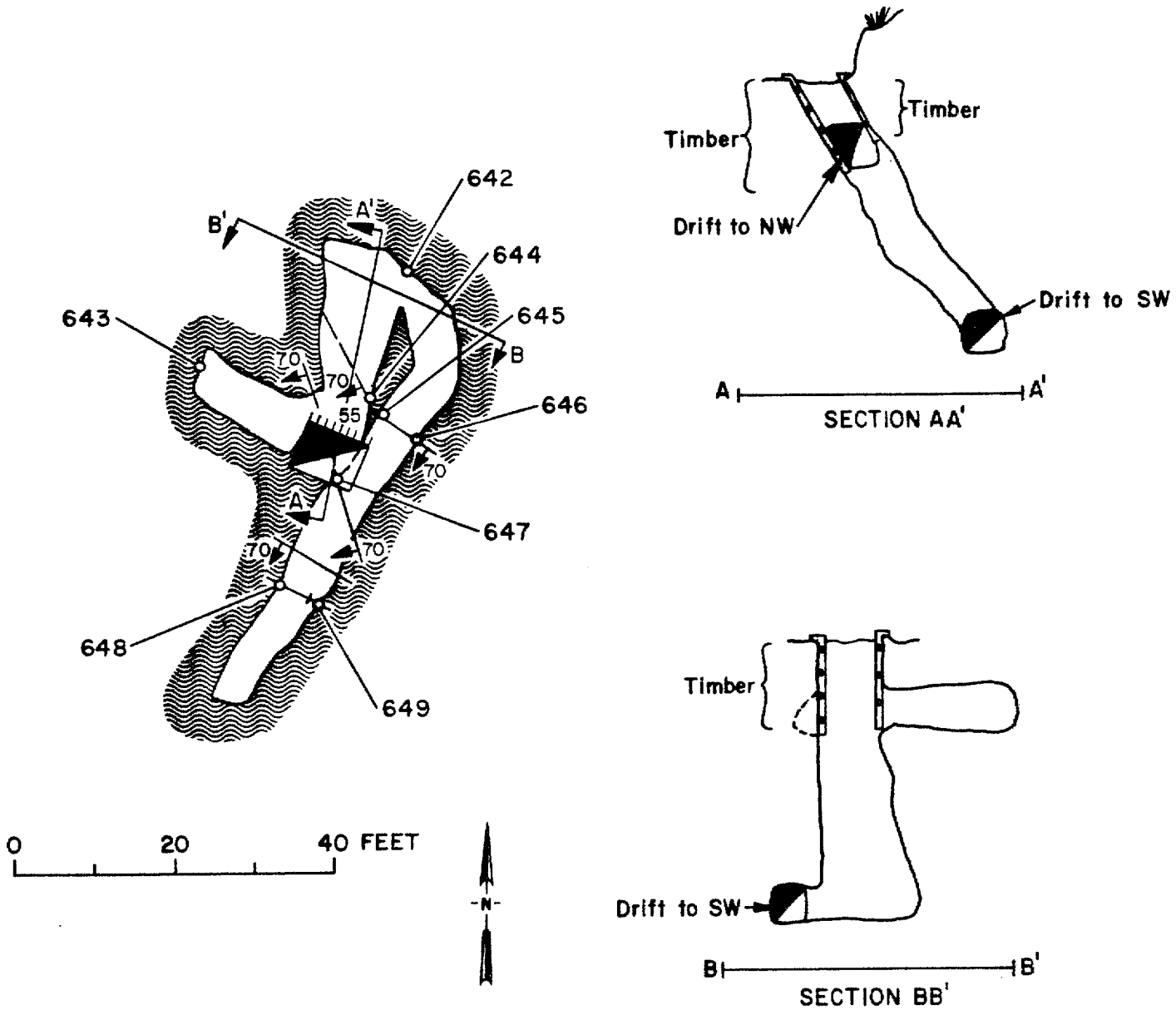


Figure 40.--Inclined shaft, R & R Mine.

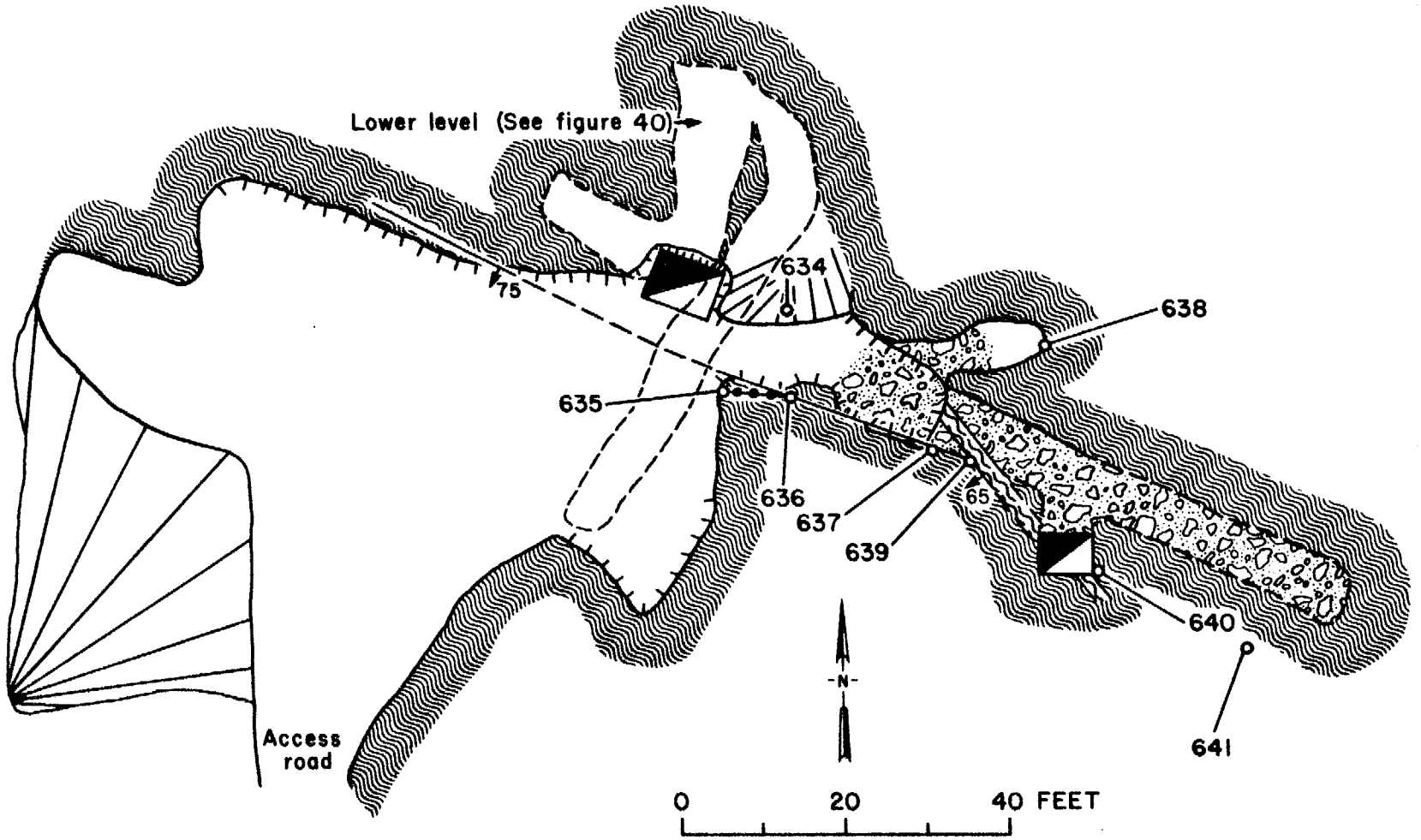


Figure 41.--Adit, R & R Mine.

a northwest-trending fault zone in Precambrian gneiss. Tables 3-5 list the analytical data for samples 634-649 collected from the R & R Mine. Precious metal concentrations in these samples were as much as 1.0 oz silver per ton and 0.063 oz gold per ton.

Osiris (Schoolmarm) and Ra Claims

The Osiris Mine is about 3/4 mi south of Crossman Peak in the SW1/4 sec. 19, T. 14 N., R. 18 W., at 3,900 ft of elevation. The mine location is similar to that described by Malach (1974) as the Schoolmarm Mine, and is probably the same mine. Access is from the Falls Springs Wash road by 2 mi of jeep road and 1/2 mi of foot trail.

The history and production from the Osiris Mine is not known, but gold and scheelite associated with a quartz vein (Wilson, 1941) were reportedly produced by Charles Bly, who ran a stamp mill at the mine (Roy Eaton, Yucca, Ariz, oral communication, 1980).

The mine consists of an adit with about 700 ft of workings (fig. 42). The main drift follows a fault zone which is on or near a contact between Precambrian gneiss and Tertiary diorite and dacite. Although the mine was supposedly worked for gold, no gold values were detected in the samples collected. This lack of values would indicate that any gold associated with the fault or contact must be very irregular and discontinuous. Tables 3-5 list the analytical data for samples 691-713 collected from the Osiris Mine.

The Ra Mine is on the ridge above the Osiris Mine at an elevation of 4,300 ft in the SW1/4 sec. 19, T. 14 N., R. 18 W.

The Ra Mine consists of a 90-ft-long adit driven on a north-trending quartz vein which dips westerward at 35-52° (fig. 43). An inclined winze, sunk along the dip of the vein, is flooded at 45 ft deep and the total depth is not known. Several samples from the Ra Mine contained gold and (or)

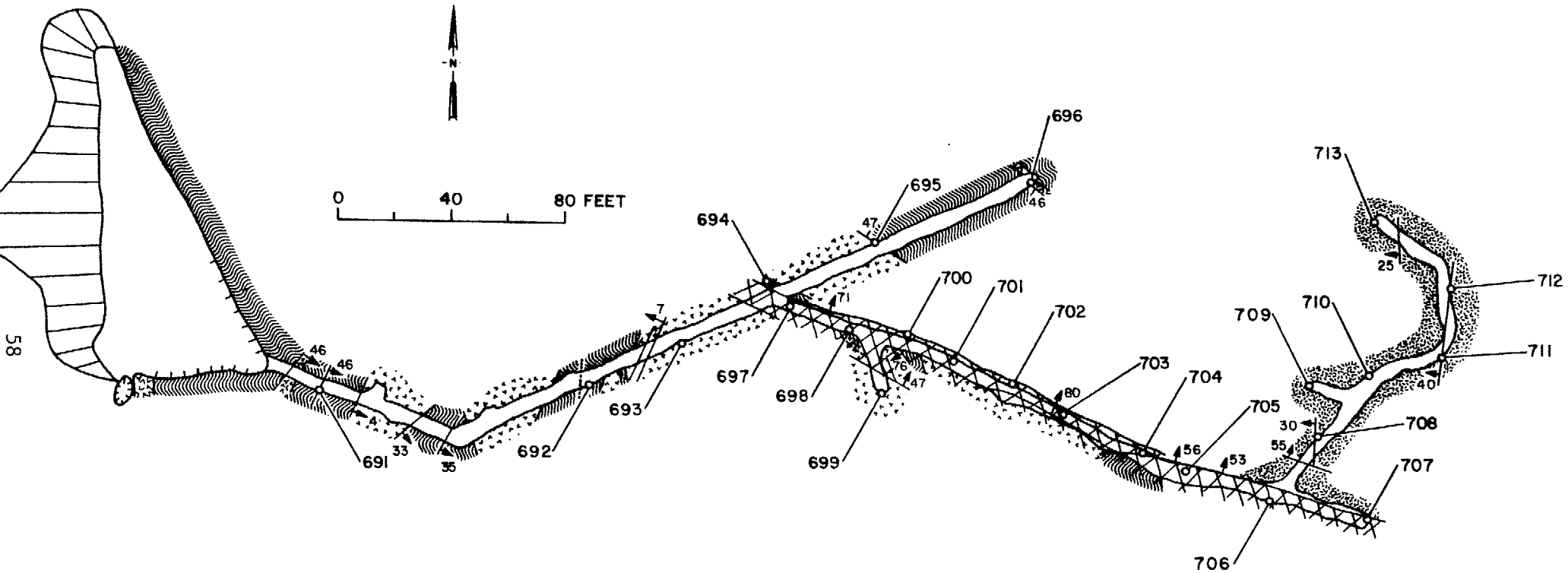


Figure 42.--Adit, Osiris Mine.

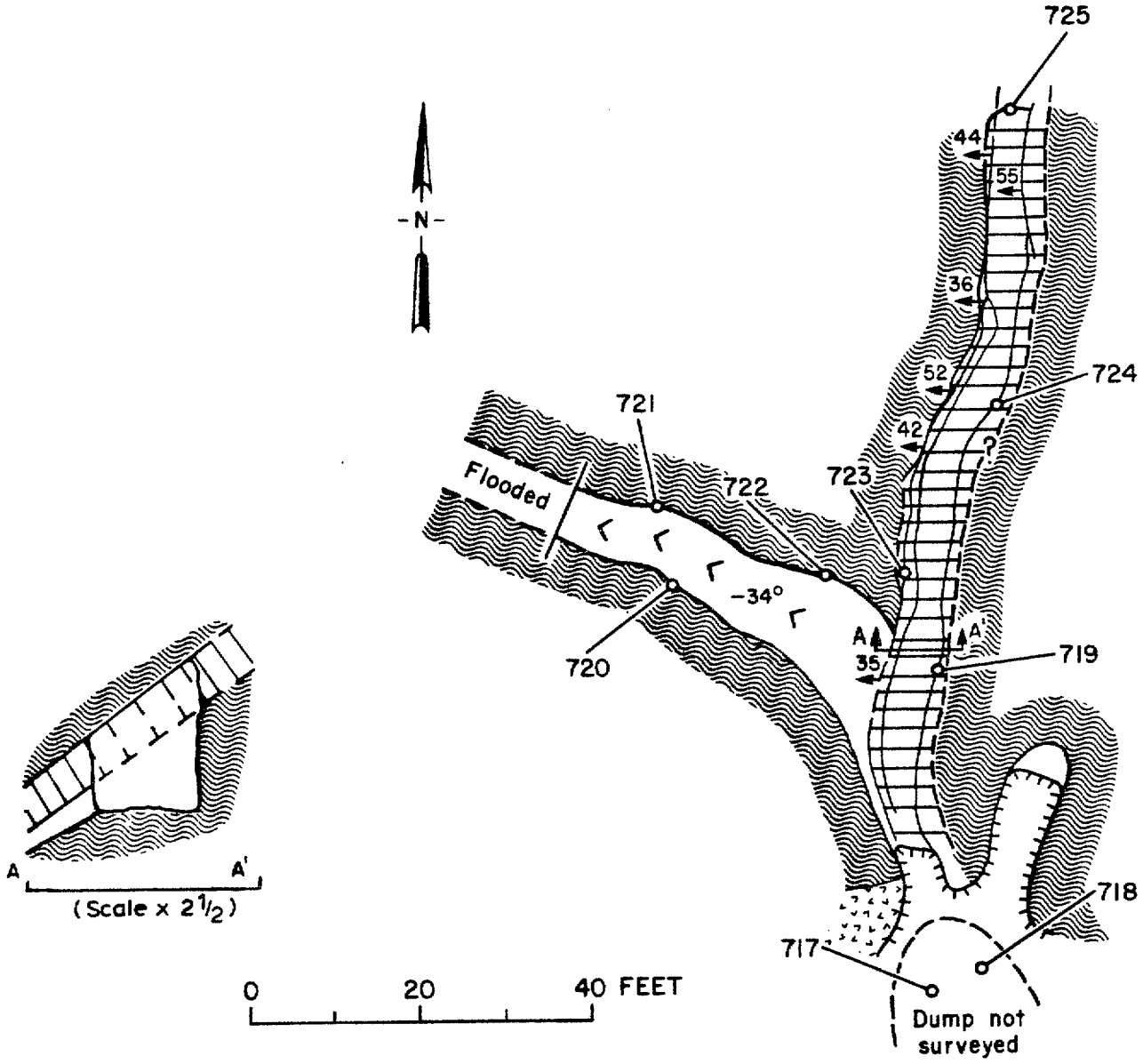


Figure 43.--Adit, Ra Mine.

silver, as well as pyrite, chalcopyrite, galena, and minor sphalerite. Analytical data for samples 717-725 from the Ra Mine are listed in tables 3-5. Sample 720, an 18-in. chip across the sulfide-bearing quartz vein, contained 3.2 oz silver per ton, 0.058 oz gold per ton, 1.30 percent copper, 5.6 percent lead, and 0.65 percent zinc. Approximately 490 tons of indicated and 330 tons of inferred resources containing 0.01 oz gold per ton and 0.57 oz silver per ton are present. In 1982, both the Osiris and Ra claims were held by Michael Ferdik, Lake Havasu City, Arizona.

Dutch Flat group

The Dutch Flat group comprises properties in secs. 19, 20, 21, 29, and 30, T. 14 N., R. 18 W., including the Little Maud, Jupiter East, Evelyn, Pioneer, Lost Dutchman, Gold Band, and Jupiter workings (fig. 44). Access is by jeep trails from the dirt road that follows Standard Wash.

The mines were first worked in 1870, and in 1911 produced about $30,000 in gold ($20/oz) (Malach, 1977). A. V. Kampff worked the properties for gold and tungsten in the 1930's, but during the early 1940's, Kampff leased the properties to several people. Ore from the various workings was crushed and run over a table to separate the gold and scheelite from the gangue before shipment to the Boriana Mining Company mill 60 mi away. Production from the Dutch Flat properties amounted to at least 300 units of WO_3 and 400 oz of gold by 1942 (Bishop, 1942).

Mining operations ceased during World War II when the Mohave Mountains were used as an artillery range. In the early 1950's, Sheldon Heath leased the property from Julius Eaton and applied for an exploration loan from the Defense Minerals Exploration Administration. The loan was denied because of small tonnage and low grade of calculated reserves (Farnham, 1951). In 1959, the claims were owned by Z. Soldinske and L. M. Donnell (Dale, 1961).

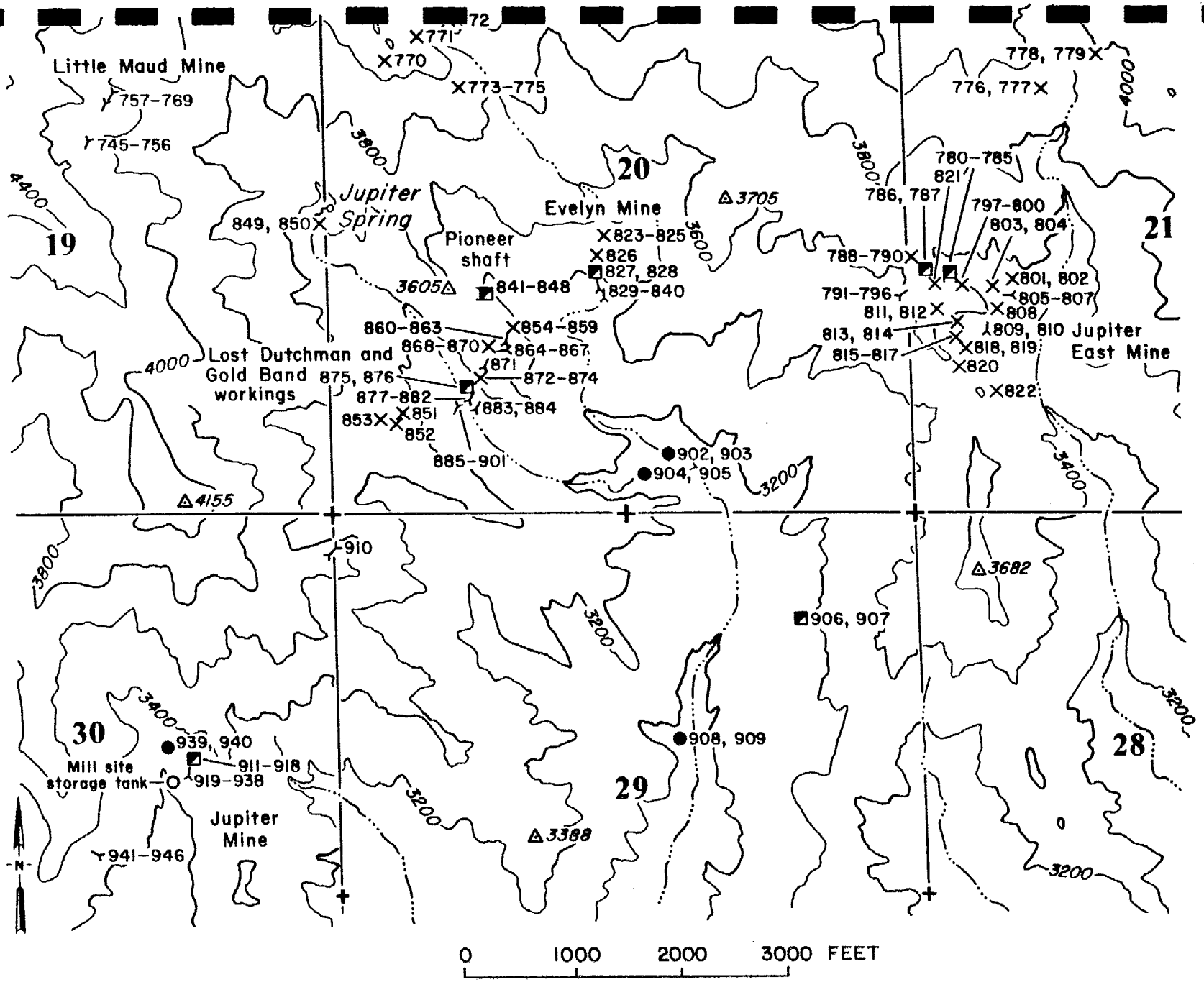


Figure 44.--Index map, Dutch Flat group.

Little Maud Mine

Three adits driven on the Little Maud vein trend S. 40° W. The adits were driven in east-facing slopes about 3/4 mi south of Crossman Peak in the NE1/4 sec. 19. Adit no. 1, southwesternmost of the adits, was driven 220 ft on a fault-bounded quartz vein intruding Precambrian gneiss (fig. 45). The vein continues northeast over the next ridge at least 600 ft where adits 2 and 3 were driven. Adit no. 2 is 125 ft long (fig. 46) and adit no. 3 is 75 ft long (fig. 47). In both adits the vein is discontinuous because of numerous crosscutting diabase and dacite dikes.

Tables 3-5 list the analytical data for samples 745-769 collected from the Little Maud adits. Sample 763, a select sample of vein quartz and sulfides taken from a 10-ft-deep winze in the Little Maud adit no. 2, contained 2.0 oz silver per ton, 0.285 oz gold per ton, 5.30 percent lead, 0.11 percent tungsten, 2.11 percent zinc, and minor copper. Sample 754 from adit no. 1 was a 6-in. chip across a quartz stringer containing abundant limonite staining and minor sulfides; this sample contained 1.0 oz silver per ton, 0.618 oz gold per ton, 0.31 percent lead, and 0.43 percent zinc. Resource calculations based on sample data show inferred resources are approximately 5,600 tons containing 0.05 oz gold per ton. Farnham (1951) estimated inferred resources at the Little Maud to be about 100 tons containing 100 to 150 units of WO_3.

Jupiter East Mine

The Jupiter East Mine comprises numerous shafts, adits, and prospect pits in the SW1/4 sec. 21, T. 14 N., R. 18 W. at an elevation of 3,500 to 3,650 ft. The workings were originally accessible from the Burro Canyon road on the north via a steep jeep trail which climbs up the ridge in sec. 16, T. 14 N., R. 18 W. then turns westward along the crest of the range. A steep road, now just a trail, drops down from the crest in the NE1/4 sec. 21

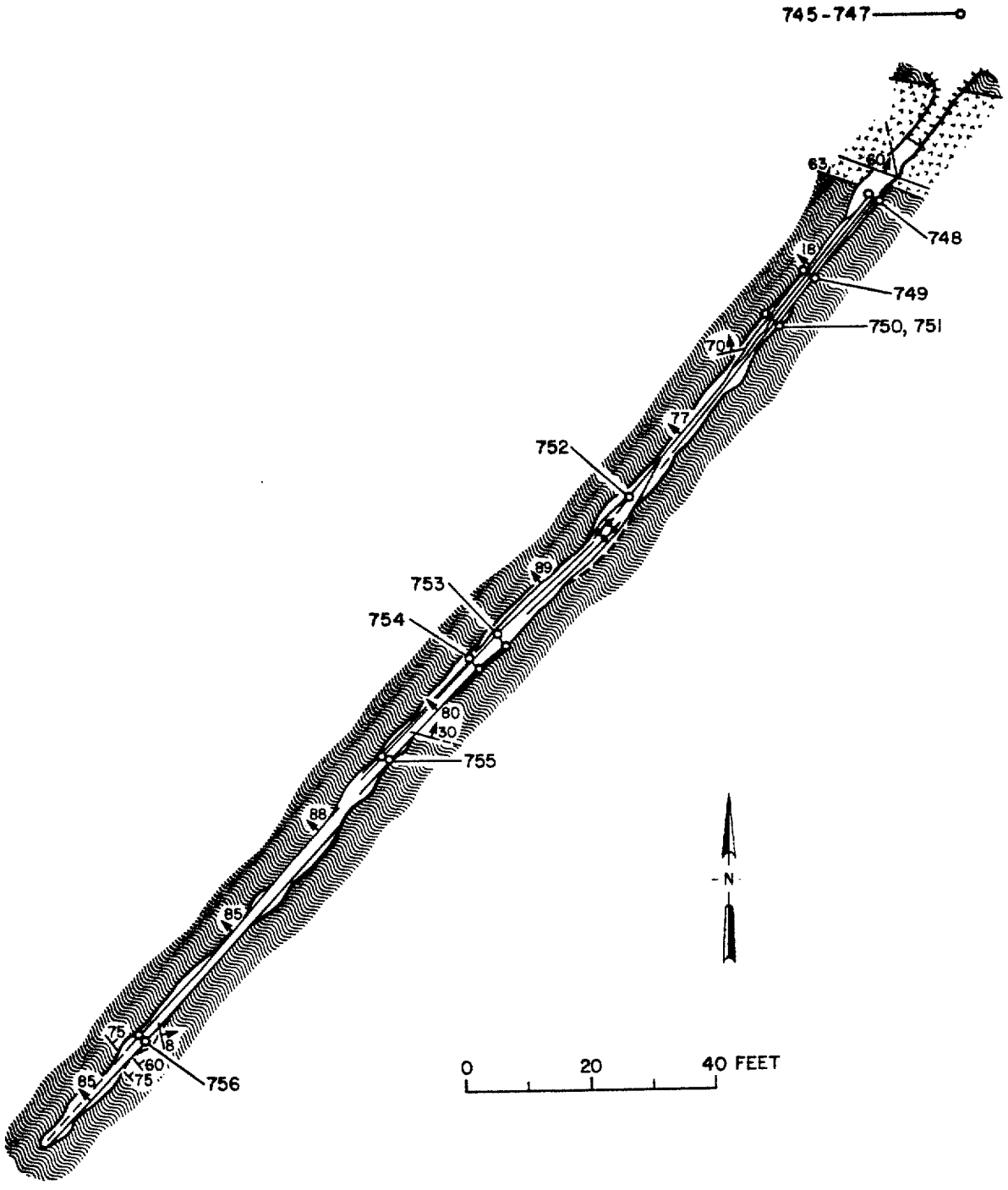


Figure 45.--Adit No. 1, Little Maud Mine.

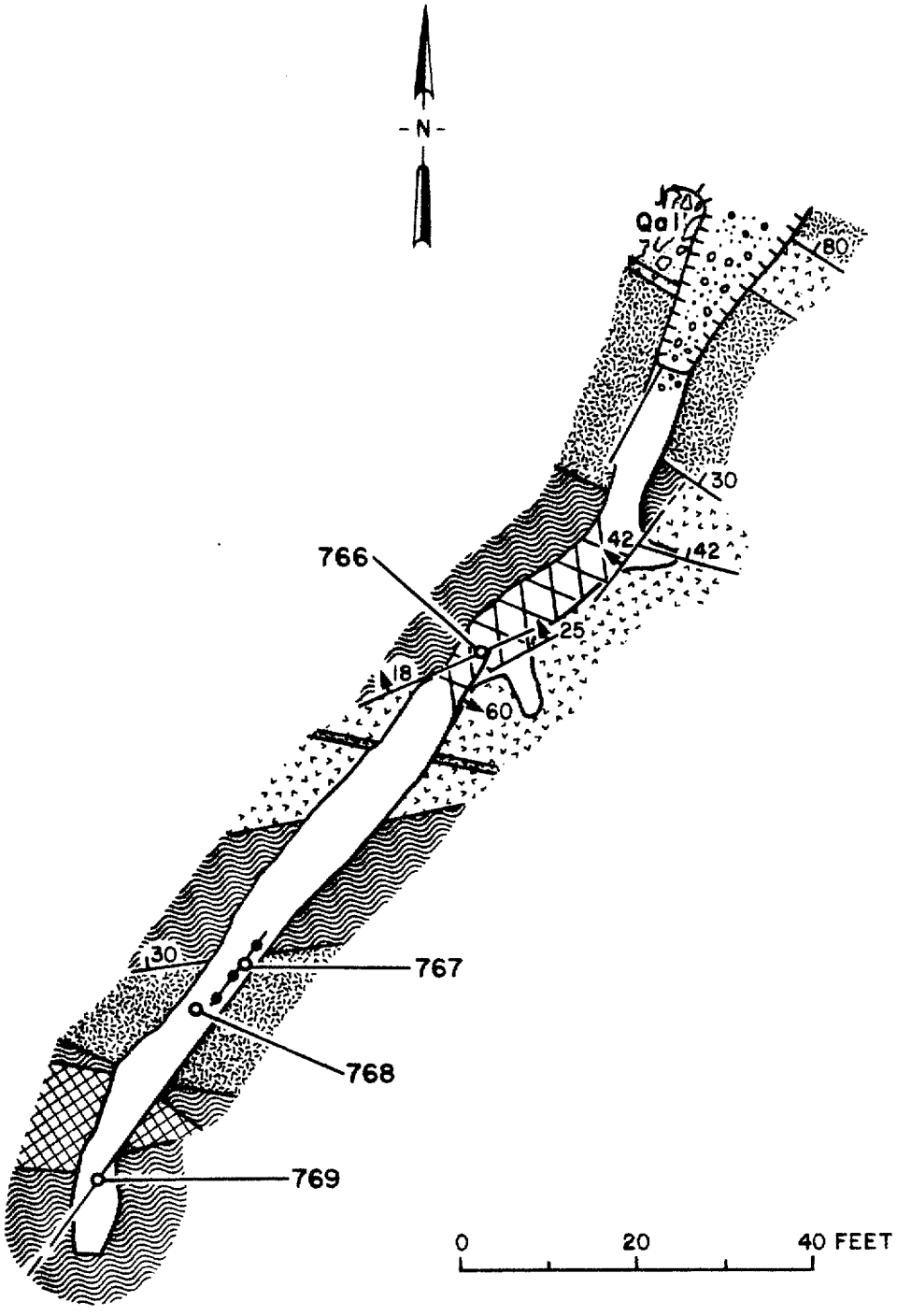


Figure 46.--Adit No. 2, Little Maud Mine.

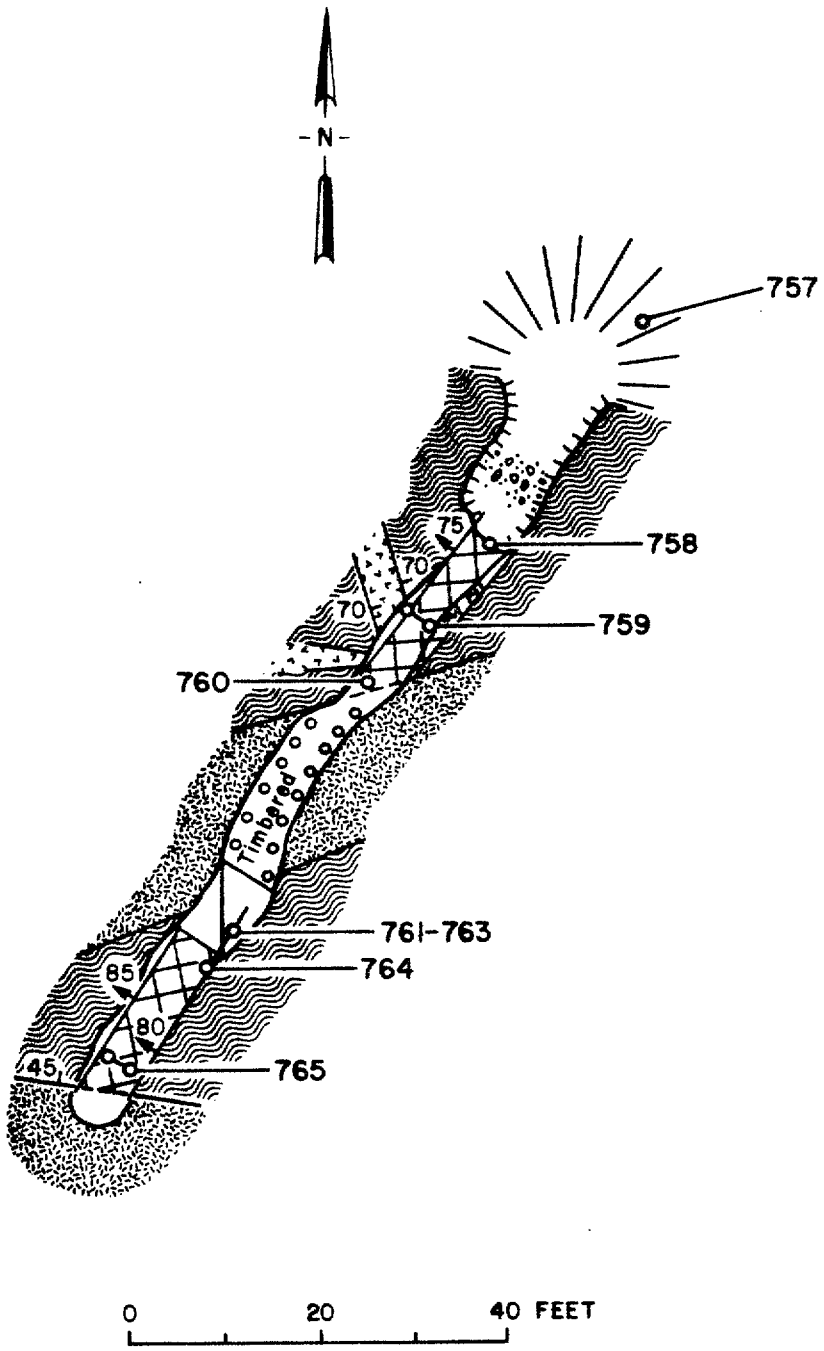


Figure 47.--Adit No. 3, Little Maud Mine.

to the workings. The history of this mine is not known, but some production is inferred from the size of the workings. These workings are included in the Dutch Flat group, and are herein called the Jupiter East Mine, but they may have been worked independently.

The main working is an inaccessible shaft at least 100 ft deep. The size of the dump indicates that the shaft is deeper than 100 ft and/or that workings are present off the shaft. An inclined shaft was sunk in the drainage S. 5° W. at 37° for 120 ft (fig. 48). A third shaft, downstream from the second, was caved but the size of the dump indicates that it must have been at least as deep as the second shaft.

To the southwest of the 120-ft-deep inclined shaft, an adit was driven N. 60° E., 165 ft in gneiss (fig. 49). To the southeast, another adit was driven due west, 60 ft through gneiss and diabase, to a shear zone in the gneiss (fig. 50). Analytical data for samples 780-822 from the Jupiter East workings are listed in tables 3-5. Minor silver was noted in ten of these samples. Several samples contained a trace of gold, and sample 782 contained 0.536 oz gold per ton and 1.25 percent lead. Copper values exceeded 1 percent in nine of the samples, with the highest value being 7.80 percent in sample 812 from a pit northwest of the main shaft.

Evelyn Mine

The Evelyn Mine is in the SW1/4 of sec. 20, T. 14 N., R. 18 W., at an elevation of about 3,400 ft. The northeast trending vein was originally called the Gold Crown by A. V. Kampff. The workings were leased to J. E. Smith in the early 1940's (Bishop, 1942).

Mine workings consist of 2 interconnected adits, an inaccessible 90-ft-deep shaft, and numerous prospect pits. The main adit on the Evelyn vein is

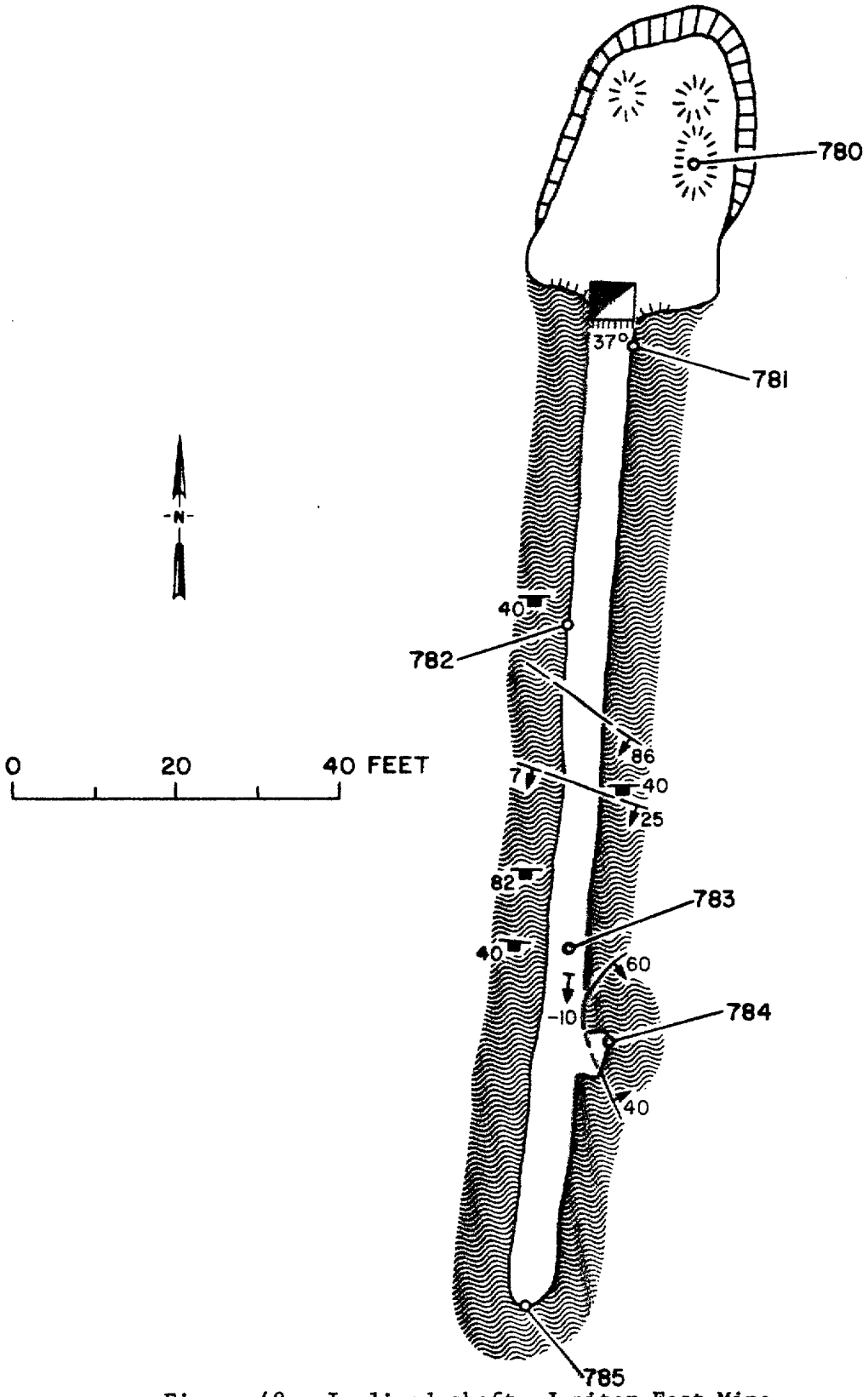


Figure 48.--Inclined shaft, Jupiter East Mine.

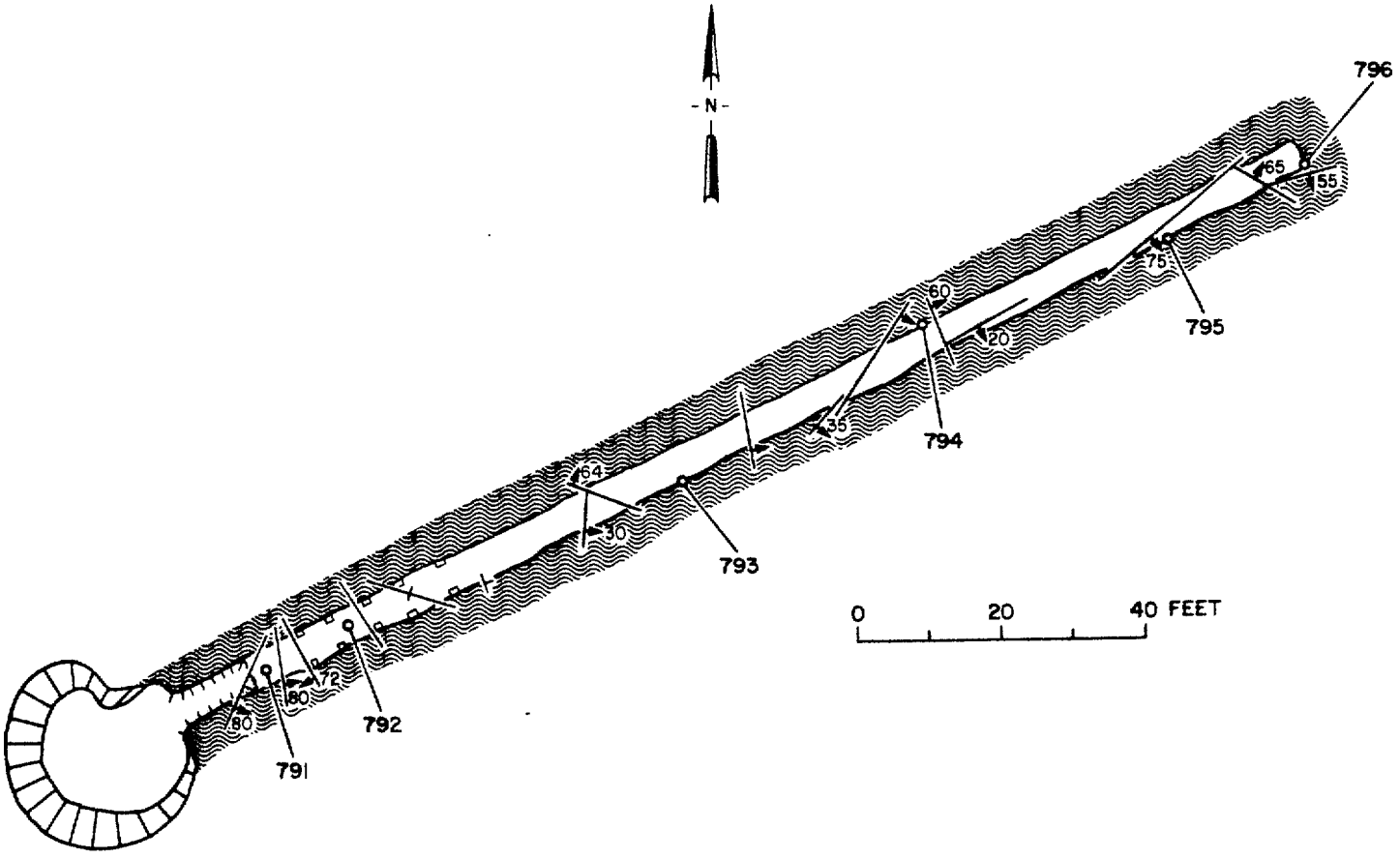


Figure 49.--Adit, southwest of inclined shaft, Jupiter East Mine.

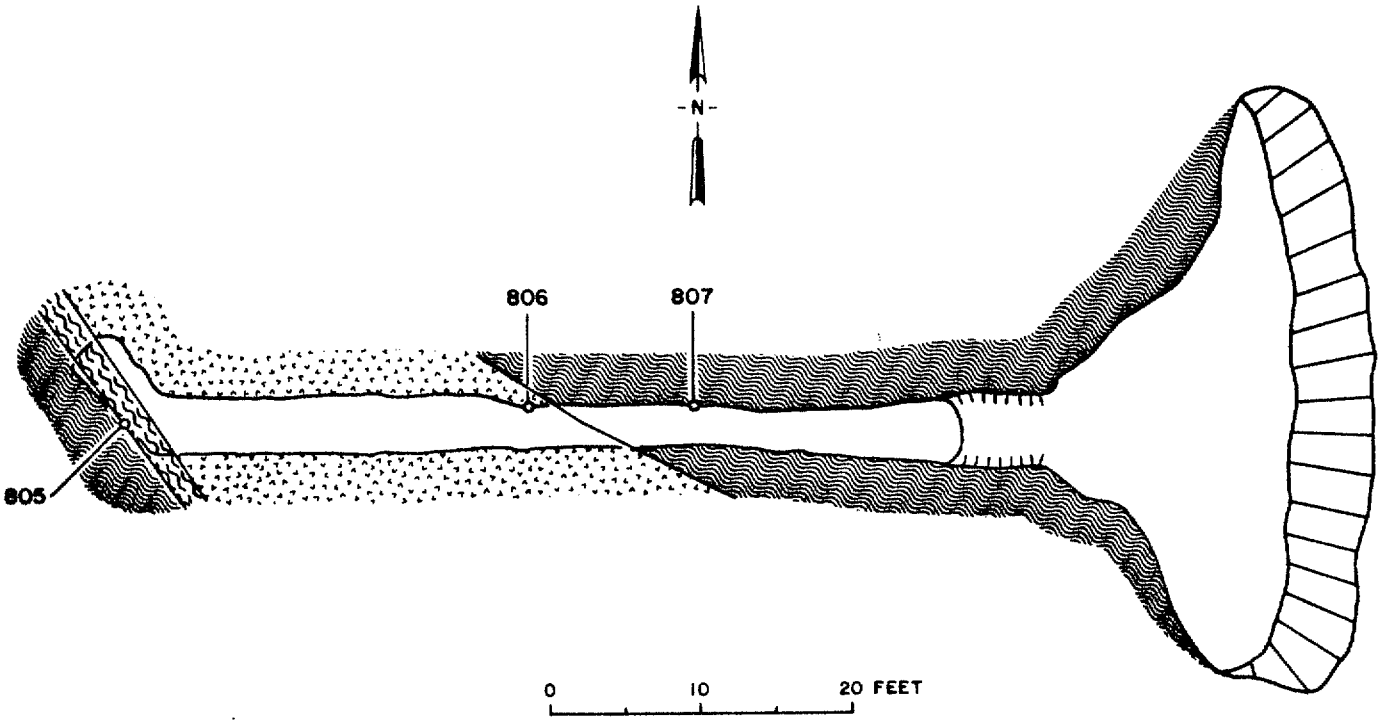


Figure 50.--Adit, southeast of inclined shaft, Jupiter East Mine.

190 ft long with a 50 ft crosscut (fig. 51). At 20 to 100 ft from the portal, the back has been stoped up to 35 ft. At 60 ft from the portal a raise breaks through to the upper level 90-ft-long adit.

Tables 3-5 list the analytical results for samples 823-840 from the Evelyn Mine. Metal concentrations in samples from the Evelyn were as high as 2.0 oz silver per ton, 0.060 oz gold per ton, 1.16 percent lead, 0.94 percent tungsten, and 0.29 percent zinc. Approximately 1,500-2,000 tons of ore with locally high-grade gold and tungsten could have been produced from the Evelyn adits. Because of the discontinuous nature of the tungsten, and the fact that only a few widely spaced samples contained tungsten values above the lower detection limit (0.01 percent), calculation of resources for the Evelyn Mine was not practical. However, Farnham (1951) estimated inferred resources to be approximately 210 tons containing 280 units of WO_3.

Pioneer Shaft

The Pioneer shaft is approximately 1,000 ft west of the Evelyn adits at an elevation of 3,400 ft in the SW1/4 sec. 20, T. 14 N., R. 18 W.

The inclined shaft dips 30° S. 60° W. and follows a diabase-gneiss fault contact for at least 100 ft (fig. 52). The shaft is flooded at 90 ft, so the total depth is not known, but is listed as 135 ft by Dale (1961).

Analytical data for samples 841-848 from the Pioneer shaft are listed in tables 3-5. Sample 842, a select from the most highly mineralized dump material contained 1.4 oz silver per ton, 0.013 oz gold per ton, 0.60 percent lead, 0.08 percent tungsten, and 0.45 percent zinc. Sample 841 contained 0.027 oz gold per ton which was the highest gold value, and the highest tungsten value was 0.15 percent in sample 848.

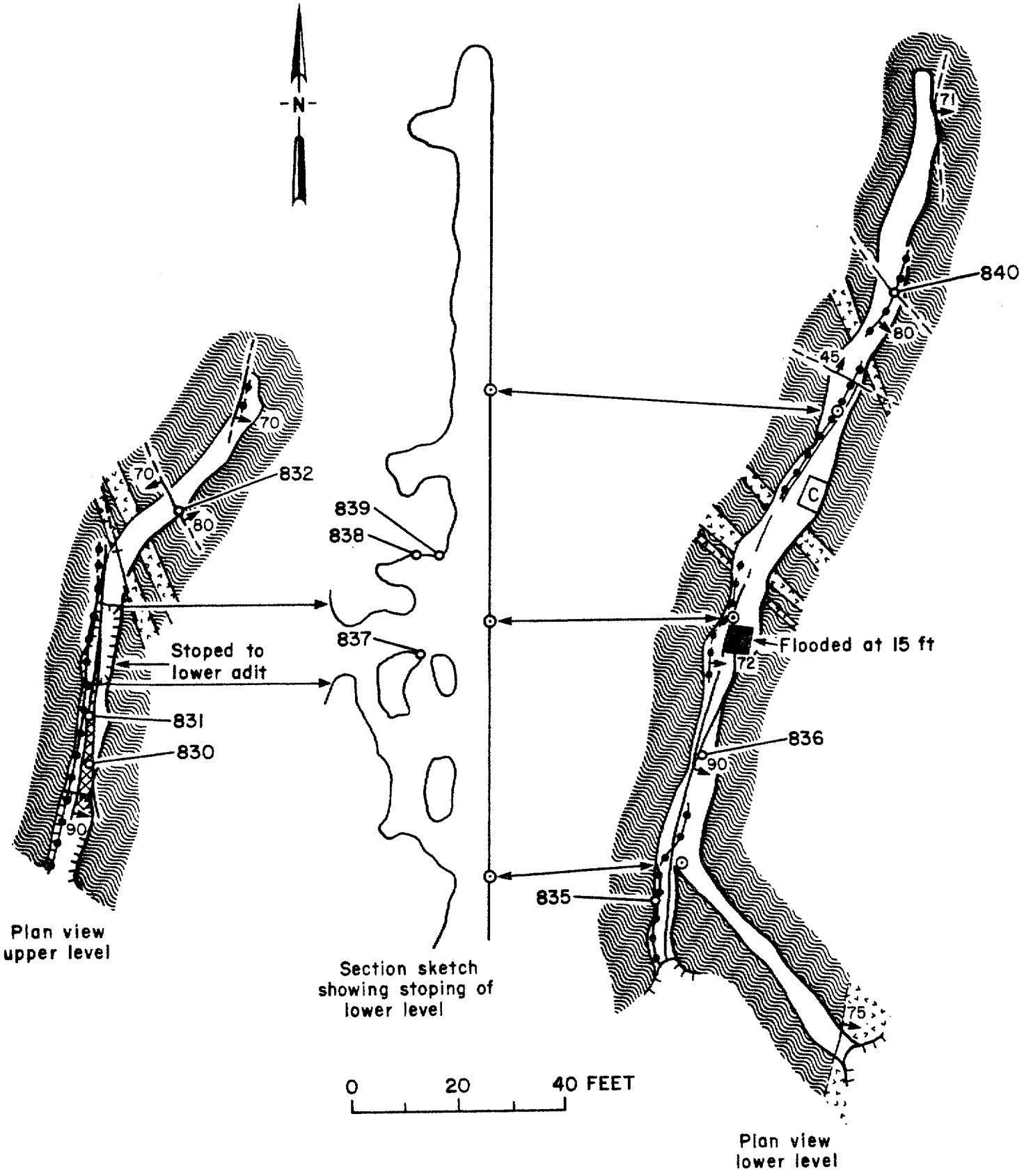


Figure 51.--Upper and lower levels of Evelyn Mine adit.

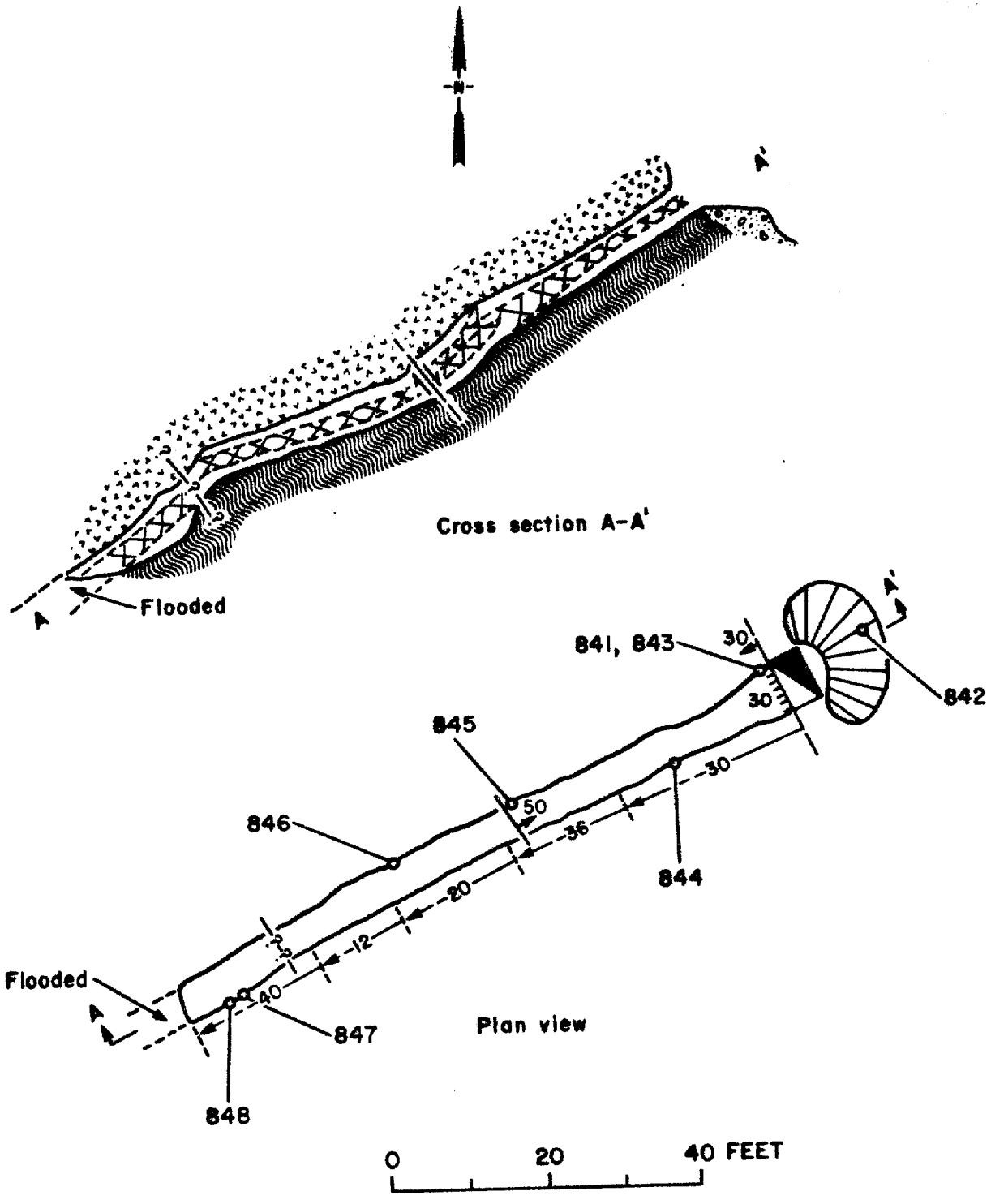


Figure 52.--Pioneer shaft.

Lost Dutchman and Gold Band Workings

The Lost Dutchman and Gold Band workings are southwest of the Evelyn Mine in the SW1/4 sec. 20, T. 14 N., R. 18 W. The workings are accessible by a nonmaintained 4-wheel drive road which branches off of the road to the Evelyn Mine.

The relative locations for workings on the Lost Dutchman and Gold Band claims are shown in figure 53. The Lost Dutchman comprises 4 adits, 3 shafts, and numerous pits and trenches. Shaft no. 1 is a decline which dips 24° N. 10° E. for 60 ft, then dips 11° N. 45° W. for 80 ft along a fault (fig. 54). Shaft no. 2 is inaccessible. Adit no. 1 was driven southwest 25 ft and intersects a quartz vein in gneiss (fig. 55). Adits no. 2 and 3 were driven northeast along a quartz vein. Adit no. 2 (fig. 56) is 25 ft long and 25 ft above adit no. 3 (fig. 57). A 45° incline shaft in the opencut leading to adit no. 2, intersects the level of adit no. 3 approximately 60 ft in from the portal. Adit no. 3 is caved beyond 70 ft and the extent of the adit is not known. Adit no. 4 was driven 45 ft northeast along a fault zone (fig. 58). The Gold Band adit was driven 370 ft southwest along a fault zone in gneiss (fig. 59). The fault is truncated by several north- to northwest-trending diorite and dacite dikes. Production from the mine is not known, but approximately 800 to 1,000 tons of ore may have been produced.

Analytical data for samples 851-901 from the Lost Dutchman and Gold Band workings are listed in tables 3-5. Sample 884, a 2 1/2-ft chip across the face of Lost Dutchman adit no. 4 contained 6.2 oz silver per ton. Gold was detected in 30 of the 51 samples, with the highest value being 8.82 oz per ton in sample 880, a 2-ft chip from Lost Dutchman adit 3. Other samples contained as much as 0.31 percent zinc, 0.43 percent tungsten, and 1.35 percent lead. Approximately 140 tons of inferred resources containing an average of 0.02 oz

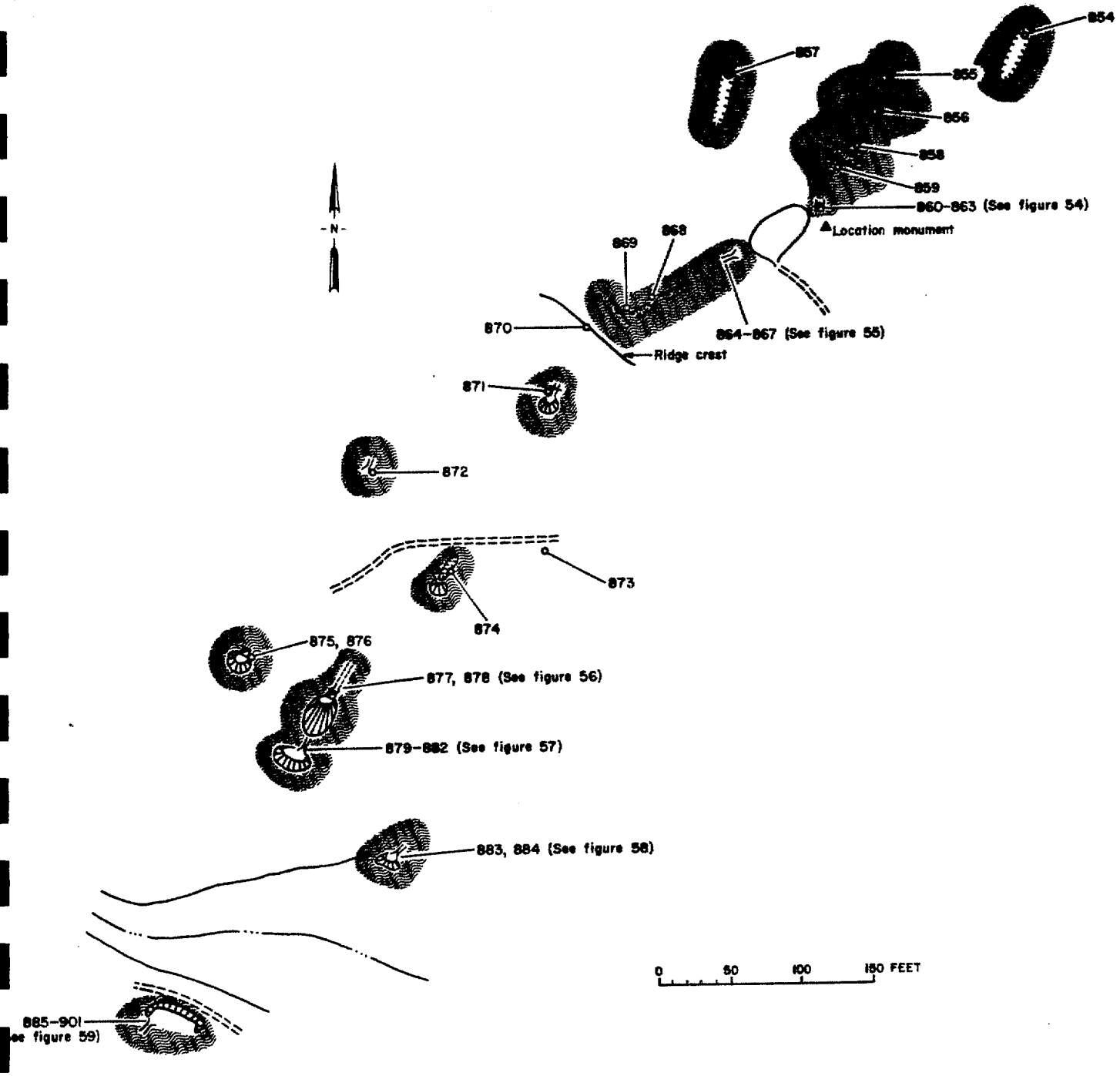


Figure 53.--Surface map, Lost Dutchman and Gold Band workings.

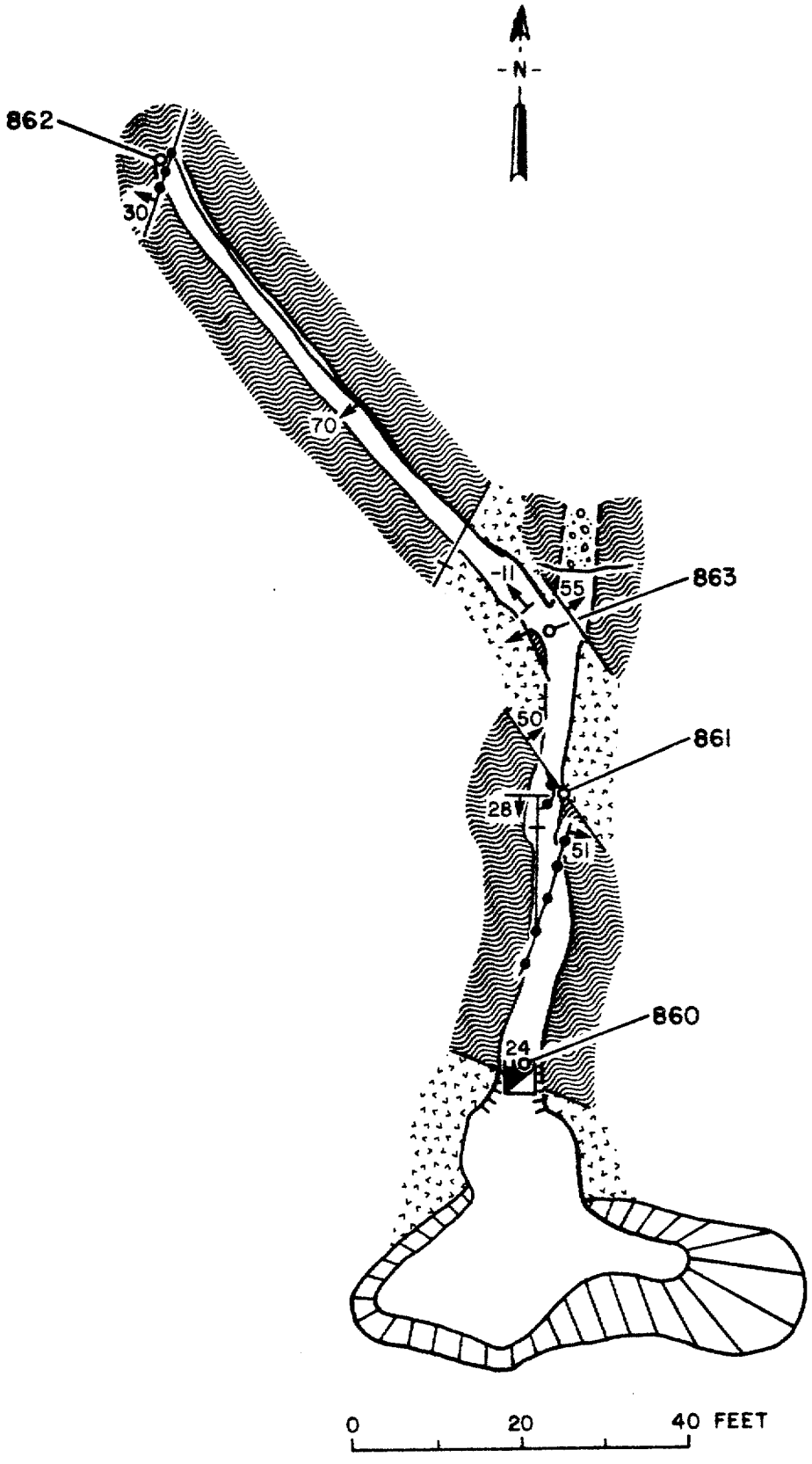


Figure 54.--Shaft no. 1, Lost Dutchman.

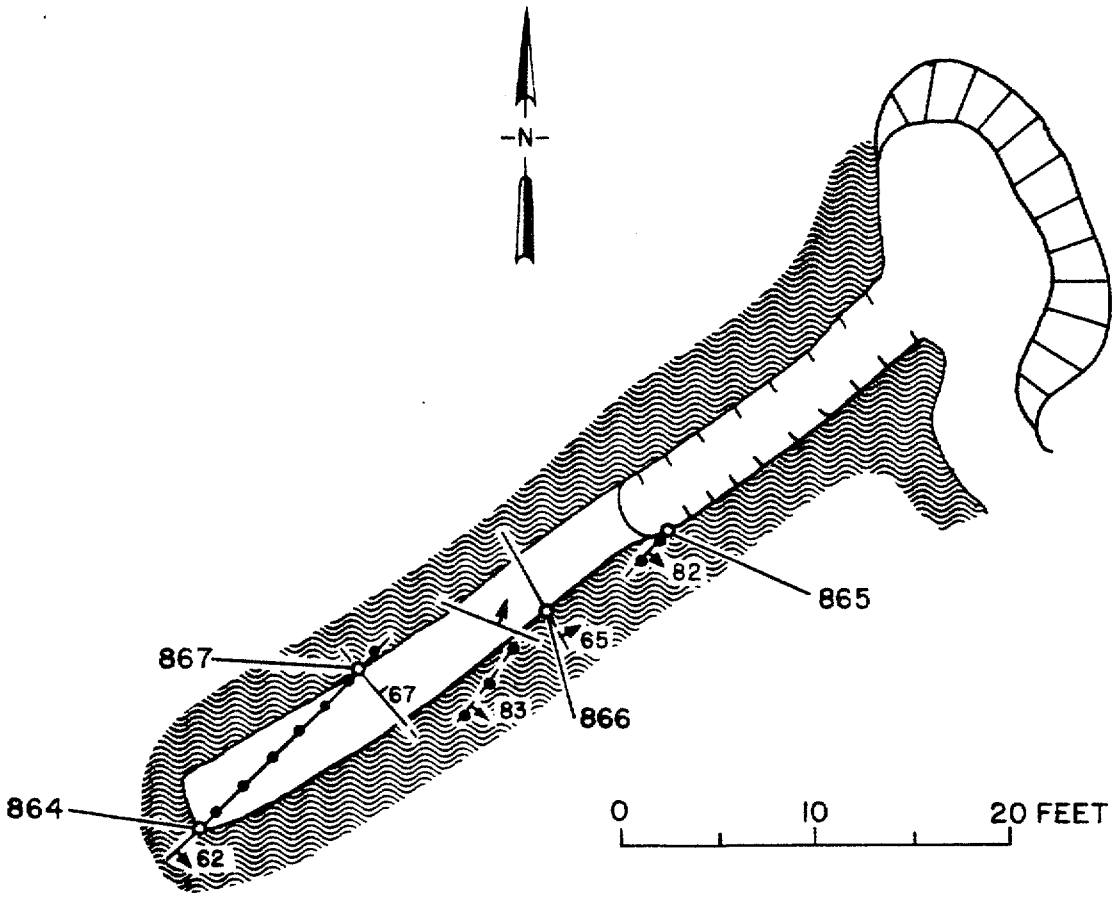


Figure 55.--Adit no. 1, Lost Dutchman.

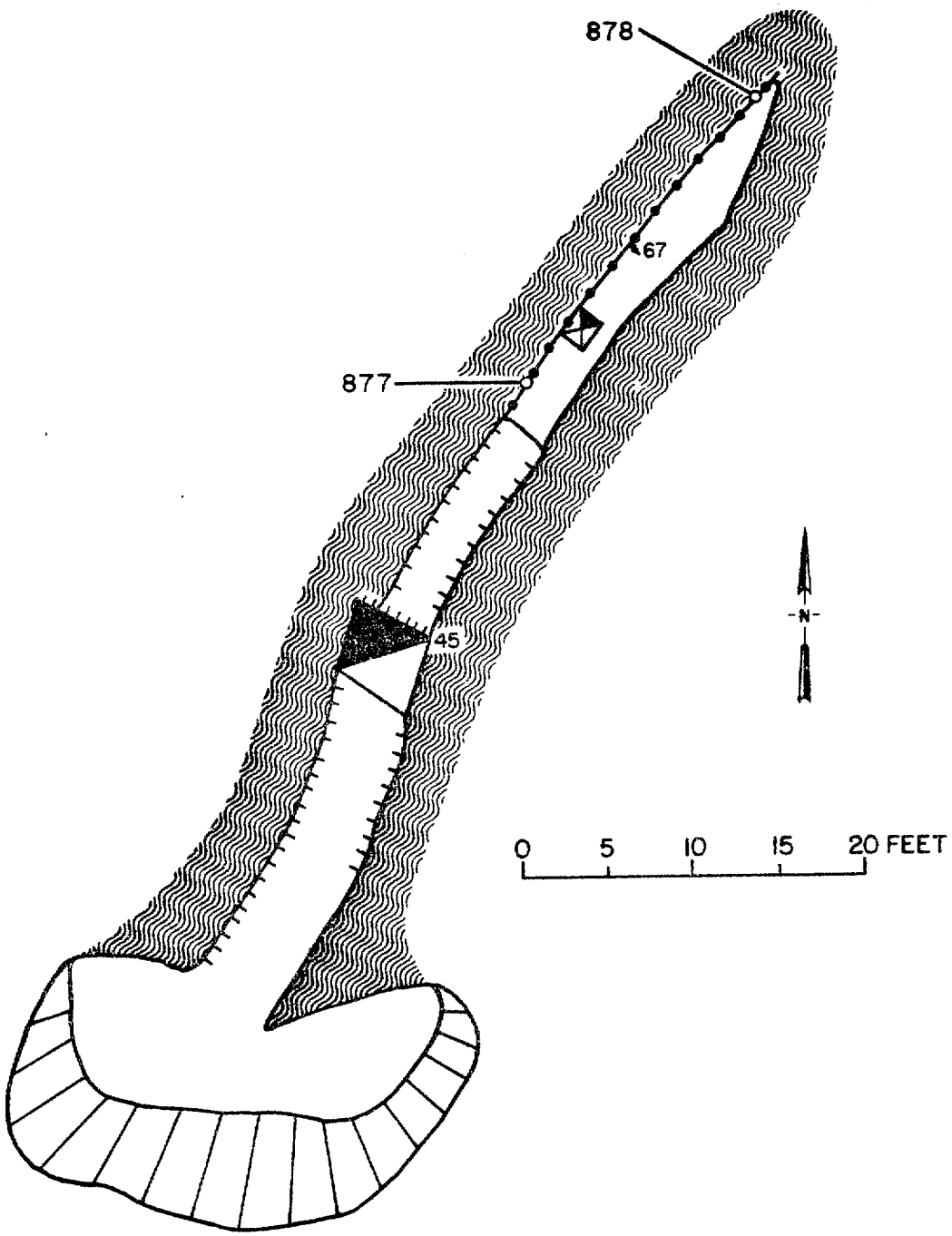
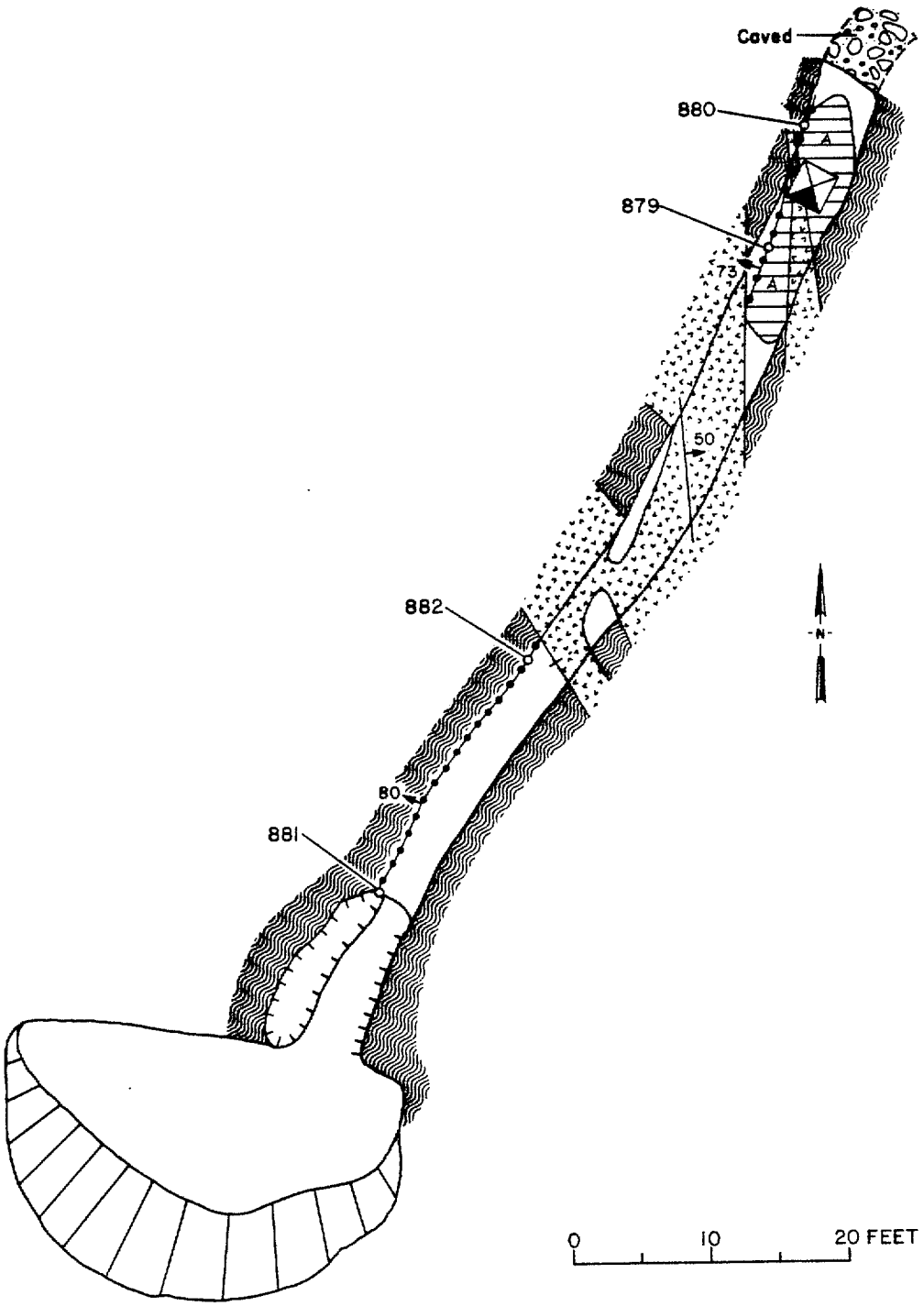


Figure 56.--Adit no. 2, Lost Dutchman.



57.--Adit no. 3, Lost Dutchman.

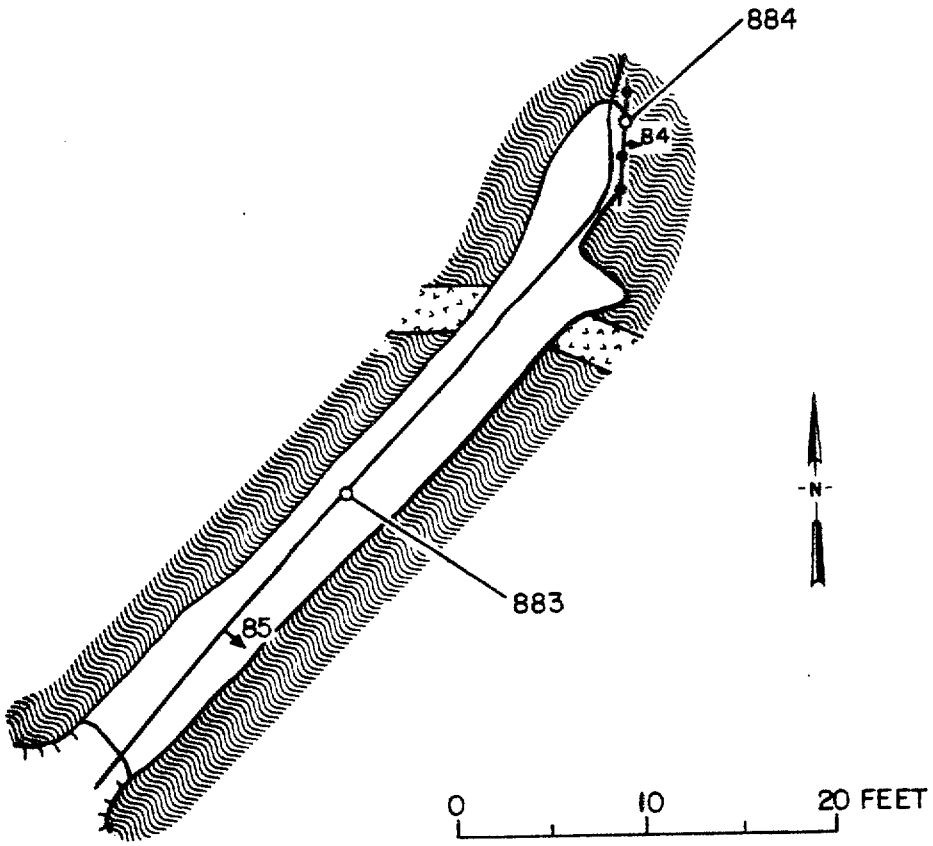


Figure 58.--Adit no. 4, Lost Dutchman.

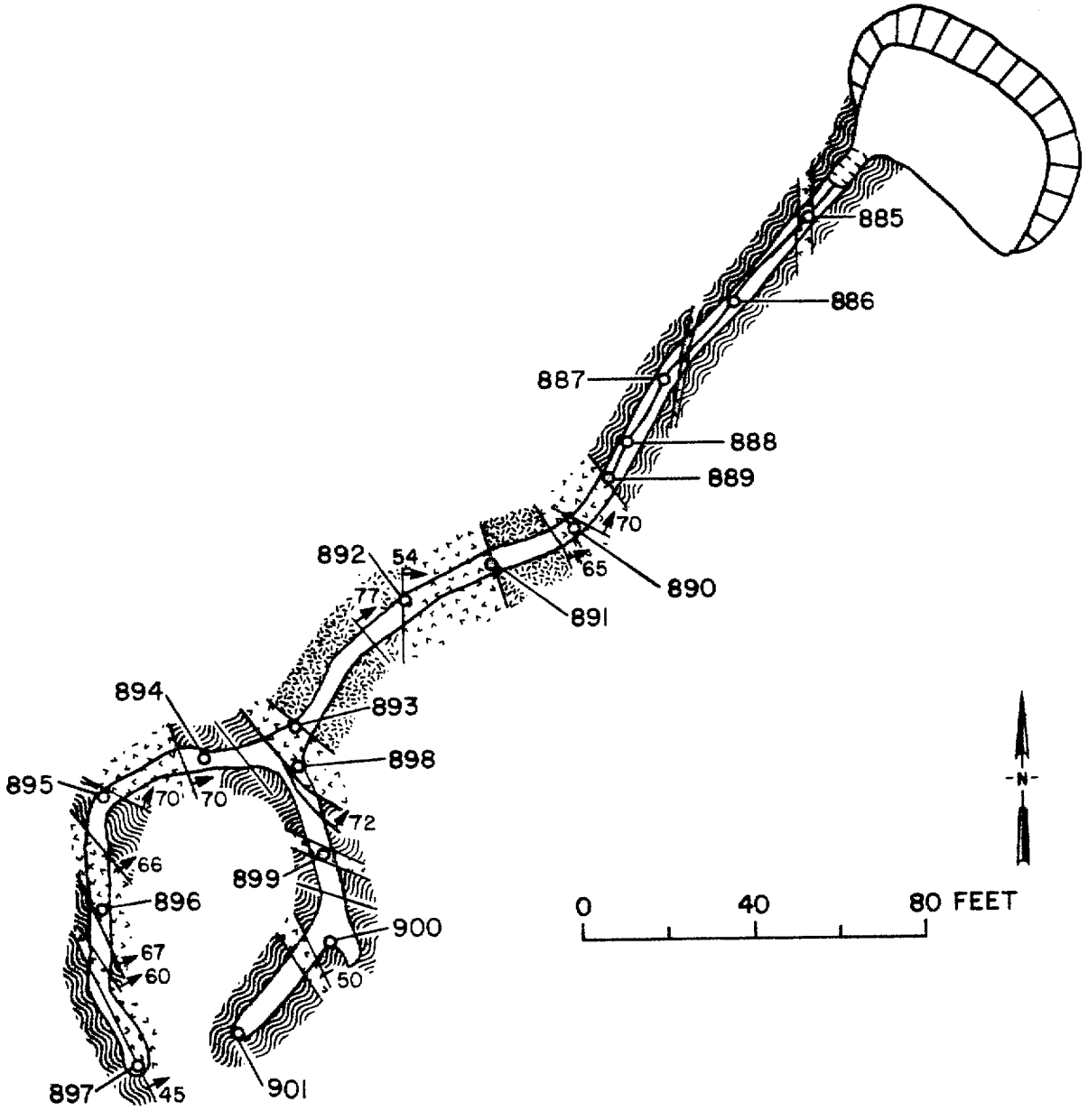


Figure 59.--Gold Band adit.

gold per ton and 0.2 oz silver per ton have been calculated for the Lost Dutchman adit no. 1, and 470 tons containing 1.74 oz gold per ton and 0.47 oz silver per ton were calculated for the Lost Dutchman no. 3 adit. The exceptionally high gold content of the resources in the Lost Dutchman no. 3 are due to one sample containing 8.82 oz gold per ton that was projected over an interval of influence of 10 ft. Overall grades for resources from the Lost Dutchman no. 3 would be expected to average significantly less. The occurrence of such a large variation in gold content illustrates the discontinous nature of the mineralization, and suggests that the greatest gold concentrations would occur in high-grade pockets occurring in the quartz veins.

Jupiter Mine

The Jupiter Mine comprises 5 shafts and an adit in the NE1/4 sec. 30, T. 14 N., R. 18 W., and is accessible from the south via a nonmaintained dirt road. The workings (fig. 60) are all on a series of northeast-trending quartz veins in faults in Precambrian gneiss.

The only accessible working at the Jupiter Mine is a 390-ft-long adit, driven along a quartz vein (fig. 61). The vein and gneiss have been intruded by Tertiary dacite. Four of the shafts shown in figure 60 intersect the adit. Some stoping has been done in the back of the adit, and off the shafts. Apparently the adit was used as a haulage level for ore stoped from selected high-grade zones in the quartz vein. The total production from the workings is not known, but approximately 1,000 tons of ore may have been mined.

An adit 1,000 ft southwest of the Jupiter Mine may have been driven as part of the Jupiter working (fig. 62). This adit is at least 100 ft long and has a raise to the surface and a flooded winze. The adit follows a quartz vein for about 80 ft.

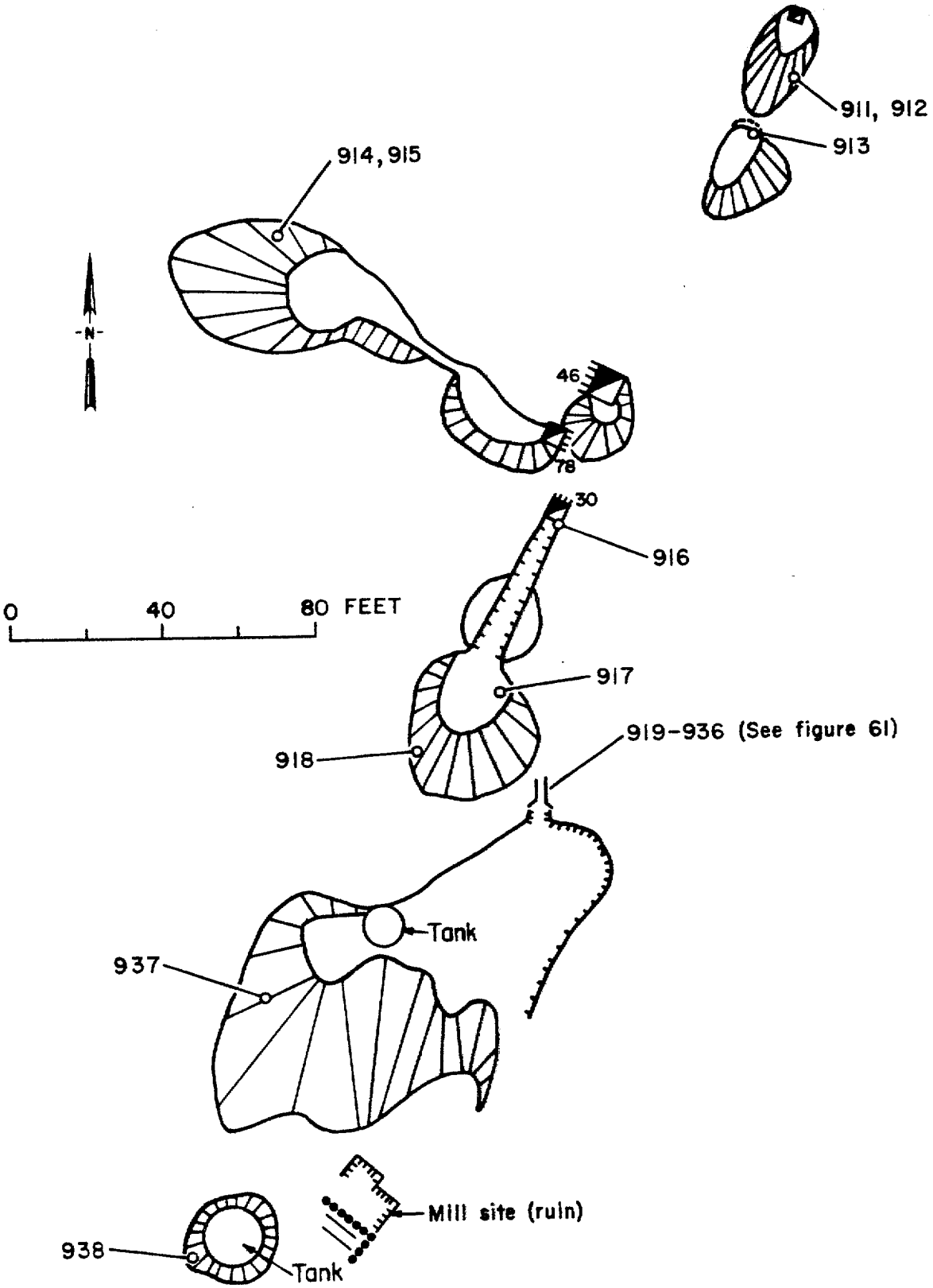


Figure 60.--Surface map, Jupiter Mine.

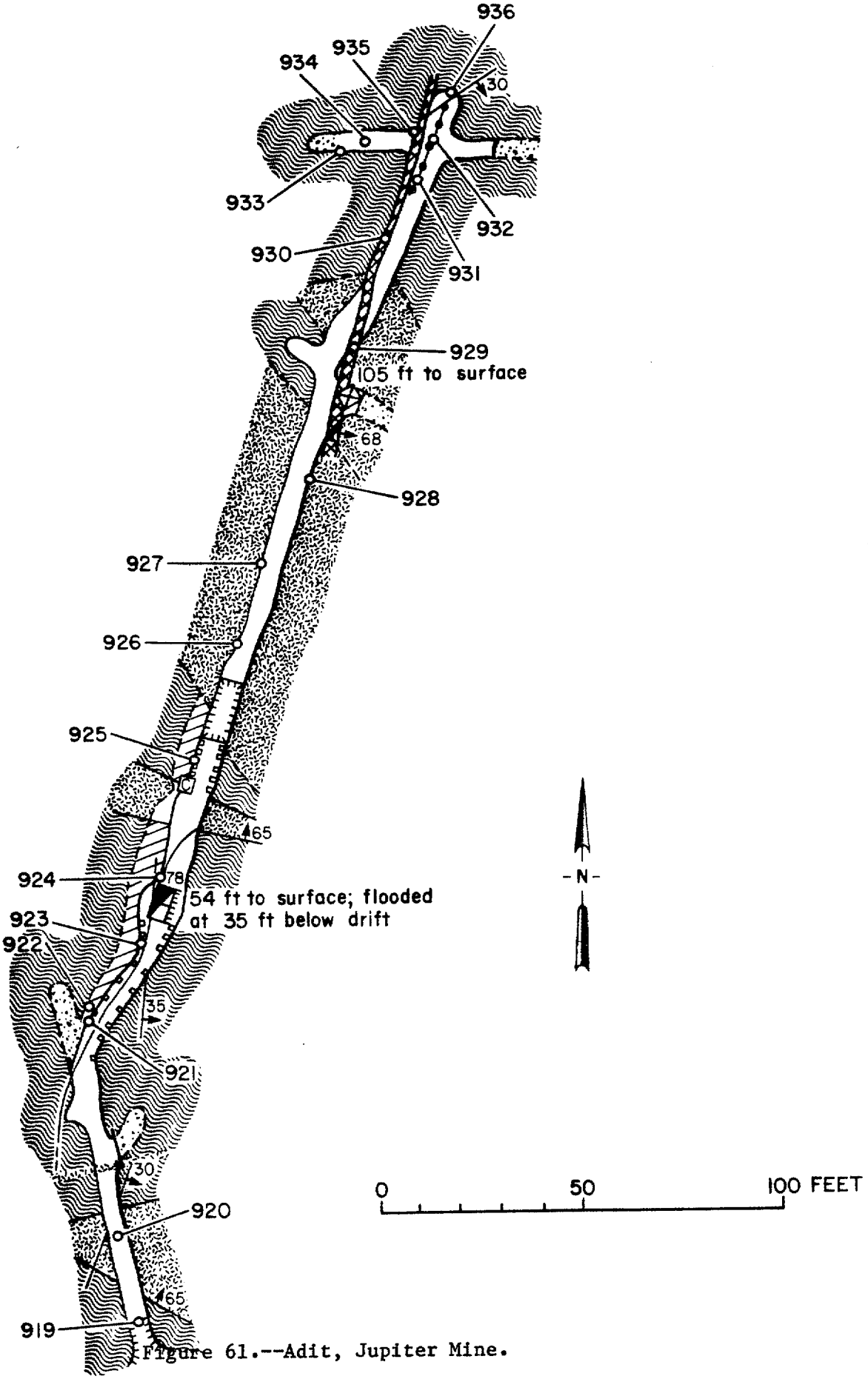


Figure 61.--Adit, Jupiter Mine.

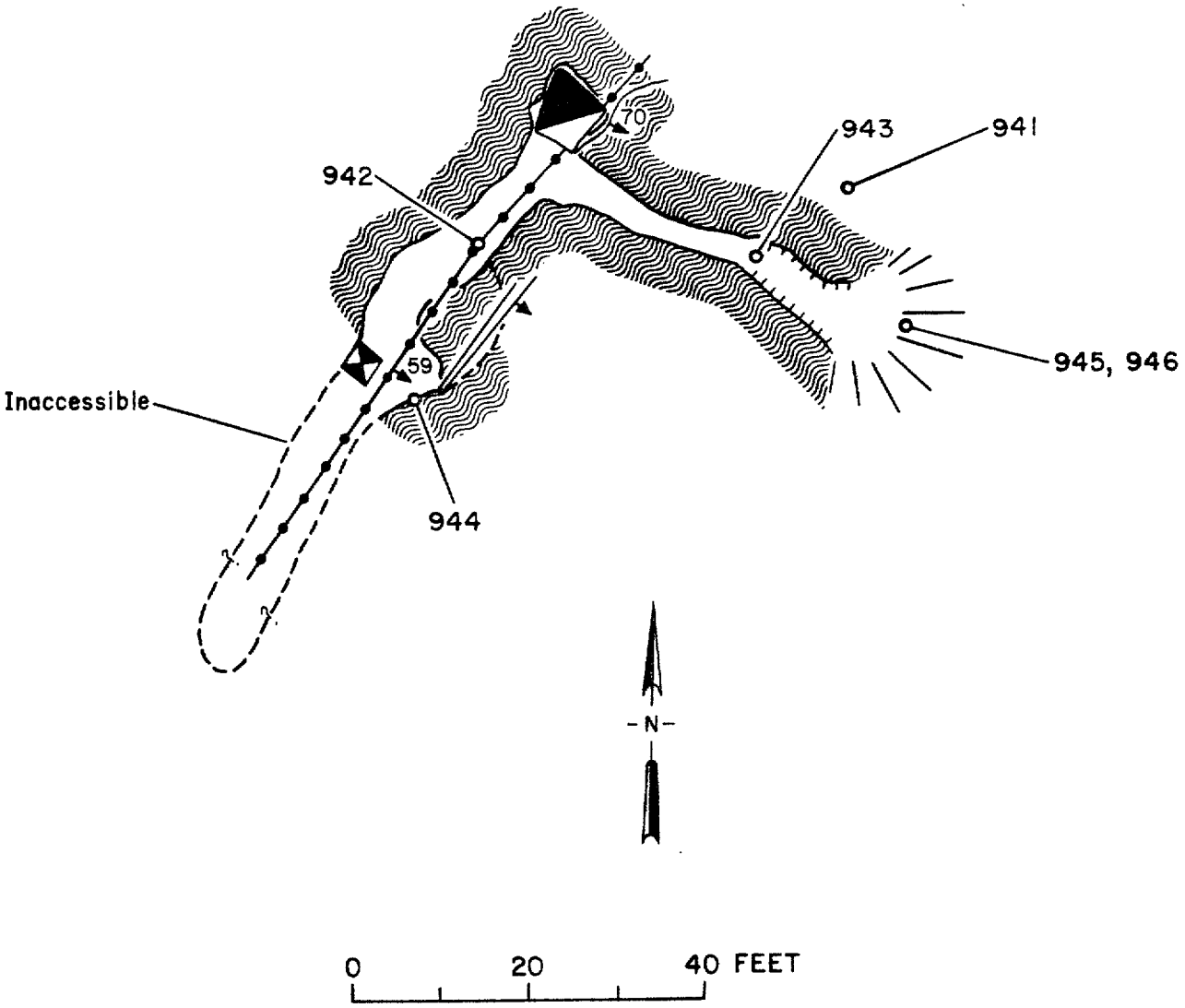


Figure 62.--Adit southwest of Jupiter Mine.

Analytical data for samples 911-946 from the Jupiter Mine are listed in tables 3-5. Sample 911, from the dump of the upper shaft, contained 2.0 oz silver per ton. Gold was detected in 20 samples with the highest value being 0.168 oz per ton in sample 923, a 9-in. chip across a quartz vein in a stope. Sample 941 had 1.35 percent lead; this sample was the only highly anomalous lead value, and did not contain any detectable silver.

Pittsburg Mine

The Pittsburg Mine is about 3 mi northeast of Lake Havasu City in S1/2 sec. 27, and N1/2 sec. 34, T. 14 N., R. 19 W. along the western boundary of the WSA. The mine is easily accessible via dirt roads from the south and west.

The Pittsburg Mine was originally known as the Mohawk Mine and was discovered in 1933 by a Mr. Hutt. From 1933 to 1939 a shaft was sunk 210 ft and several hundred feet of lateral drift were driven. Before the mine shut down in 1939, ore reportedly ran $15 per ton with the values mostly in silver. (Note: 1939 prices were $35 per oz for gold and $0.90 per oz for silver.) High-grade shipments to the smelter contained as much as 126 oz silver per ton and 6.5 oz gold per ton (Arizona Department of Mineral Resources, file data). The old workings of the Pittsburg Mine are currently covered by the Hotspot lode claims.

Mineralization at the Pittsburg Mine is concentrated in a northeast-trending fault zone with a discontinuous quartz vein. This zone can be traced for approximately 1/2 mi. All the workings along and adjacent to this trend are discussed collectively as the Pittsburg Mine (fig. 63-69). Analytical data for samples 972-1071, collected from these workings are listed in tables 3-5.

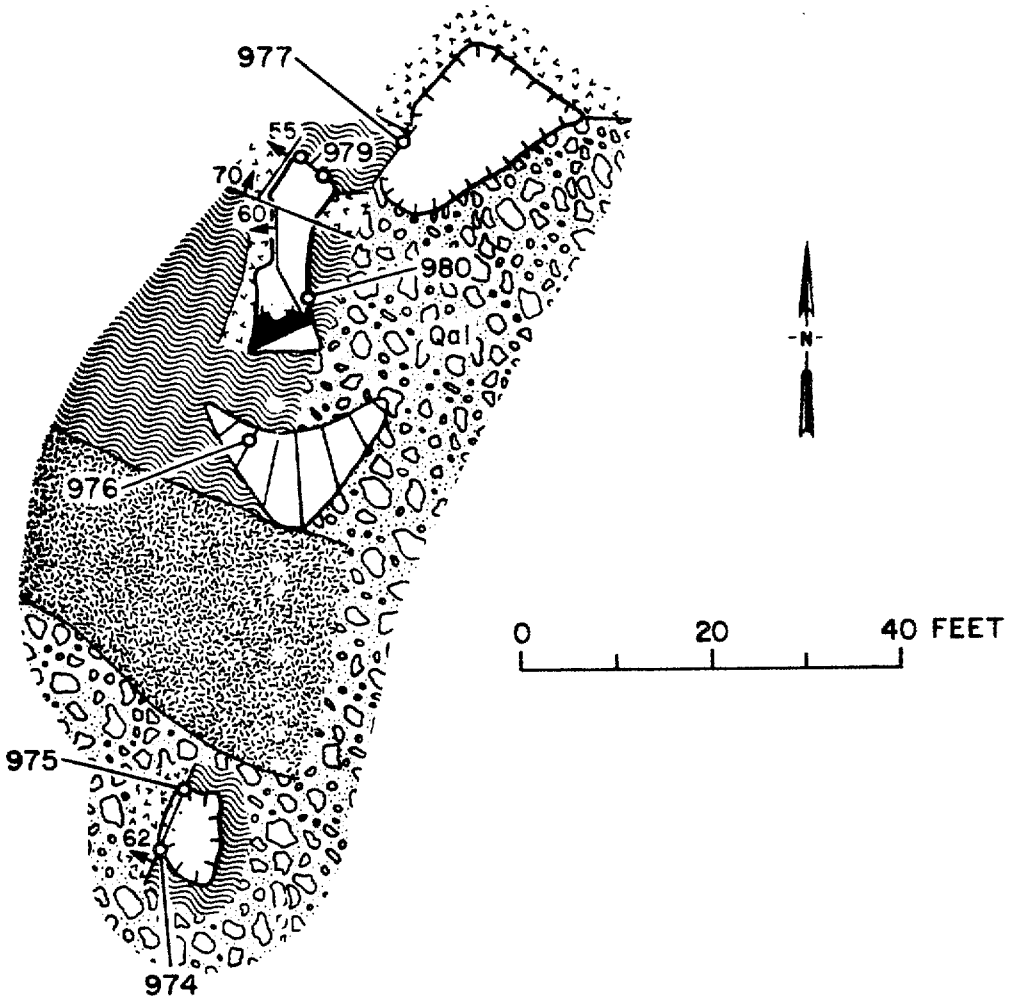


Figure 63.--Northernmost workings, Pittsburg Mine.

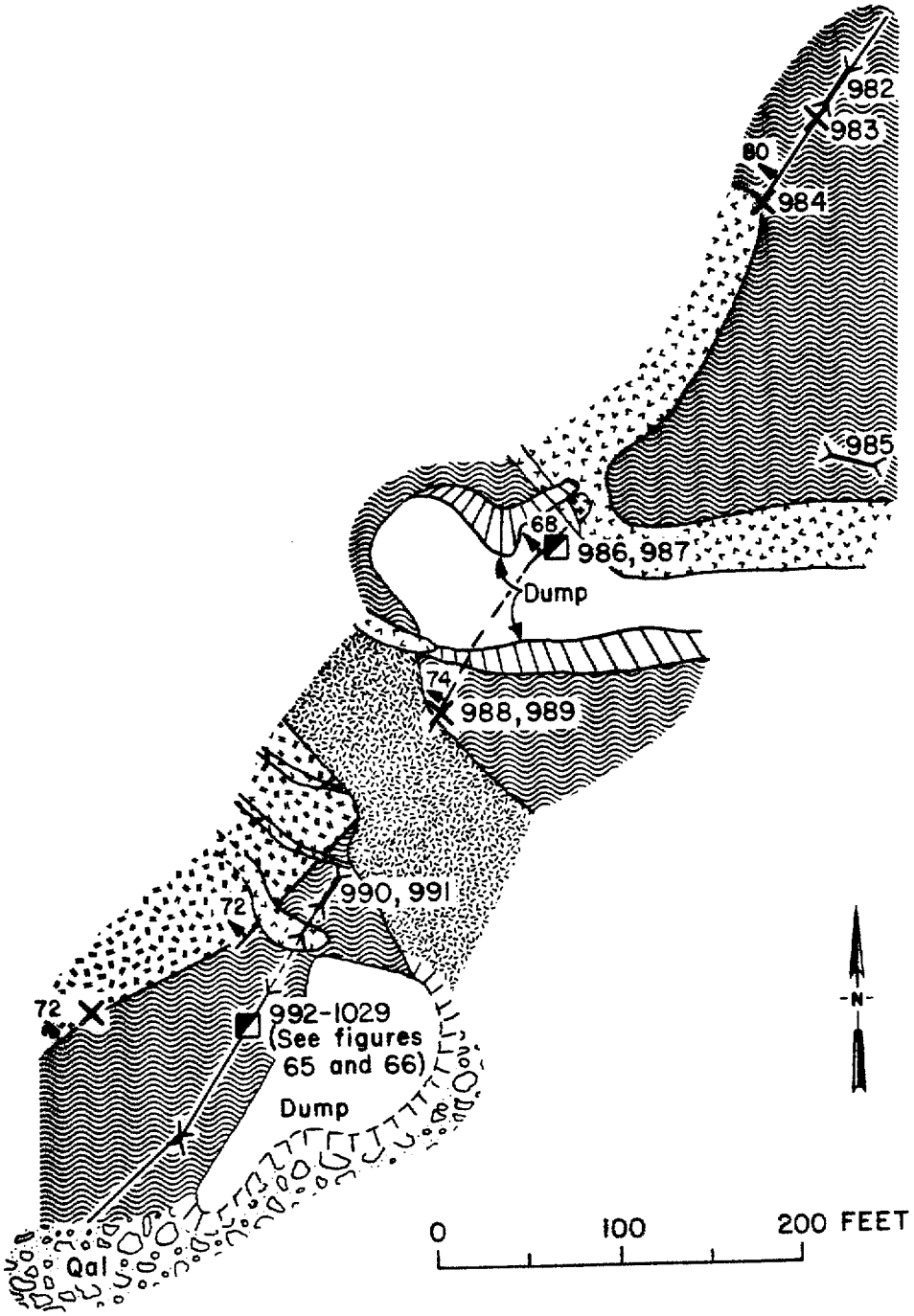


Figure 64.--Surface map, Pittsburg Mine main workings.

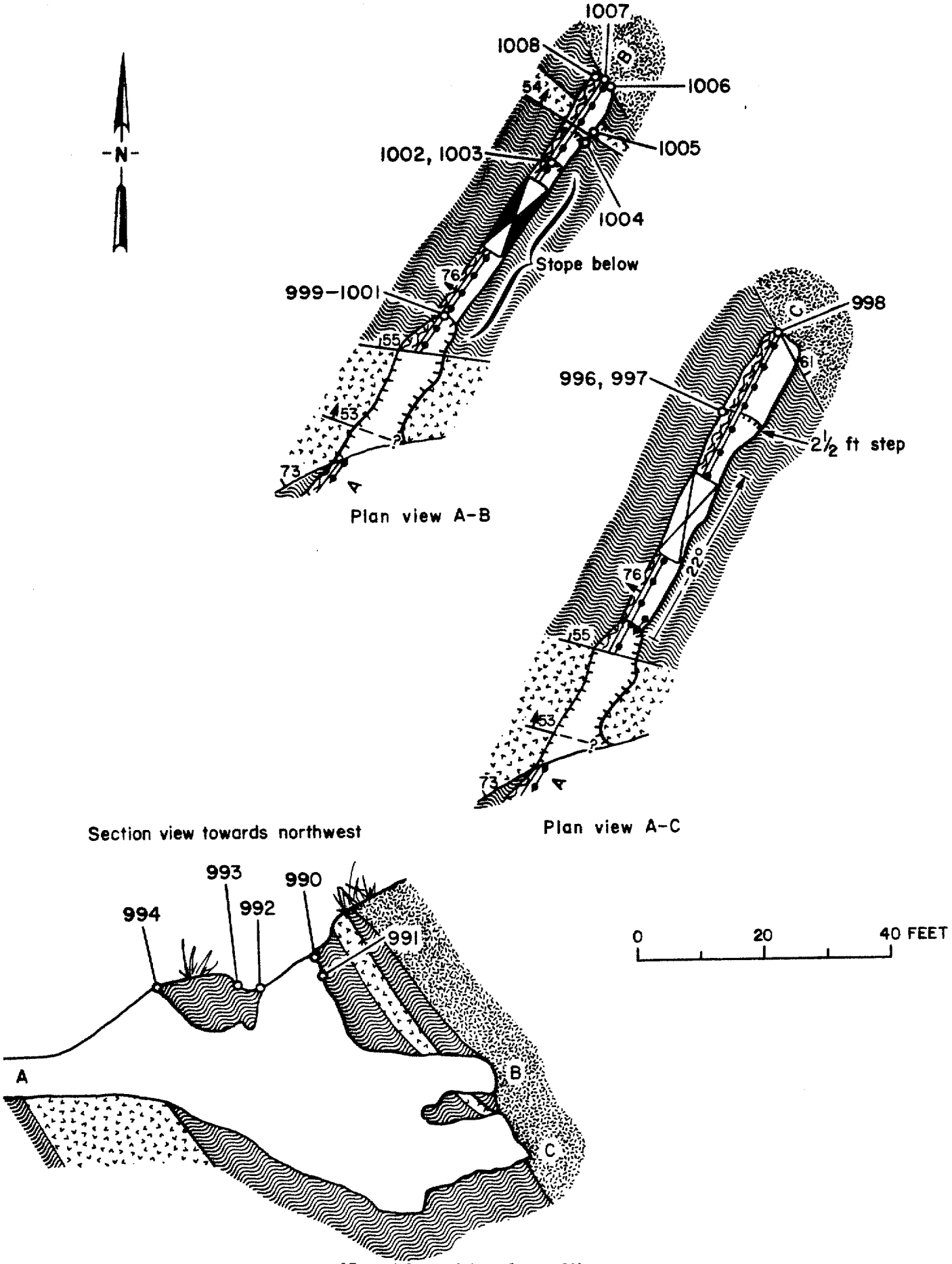


Figure 65.--Adit, Pittsburg Mine.

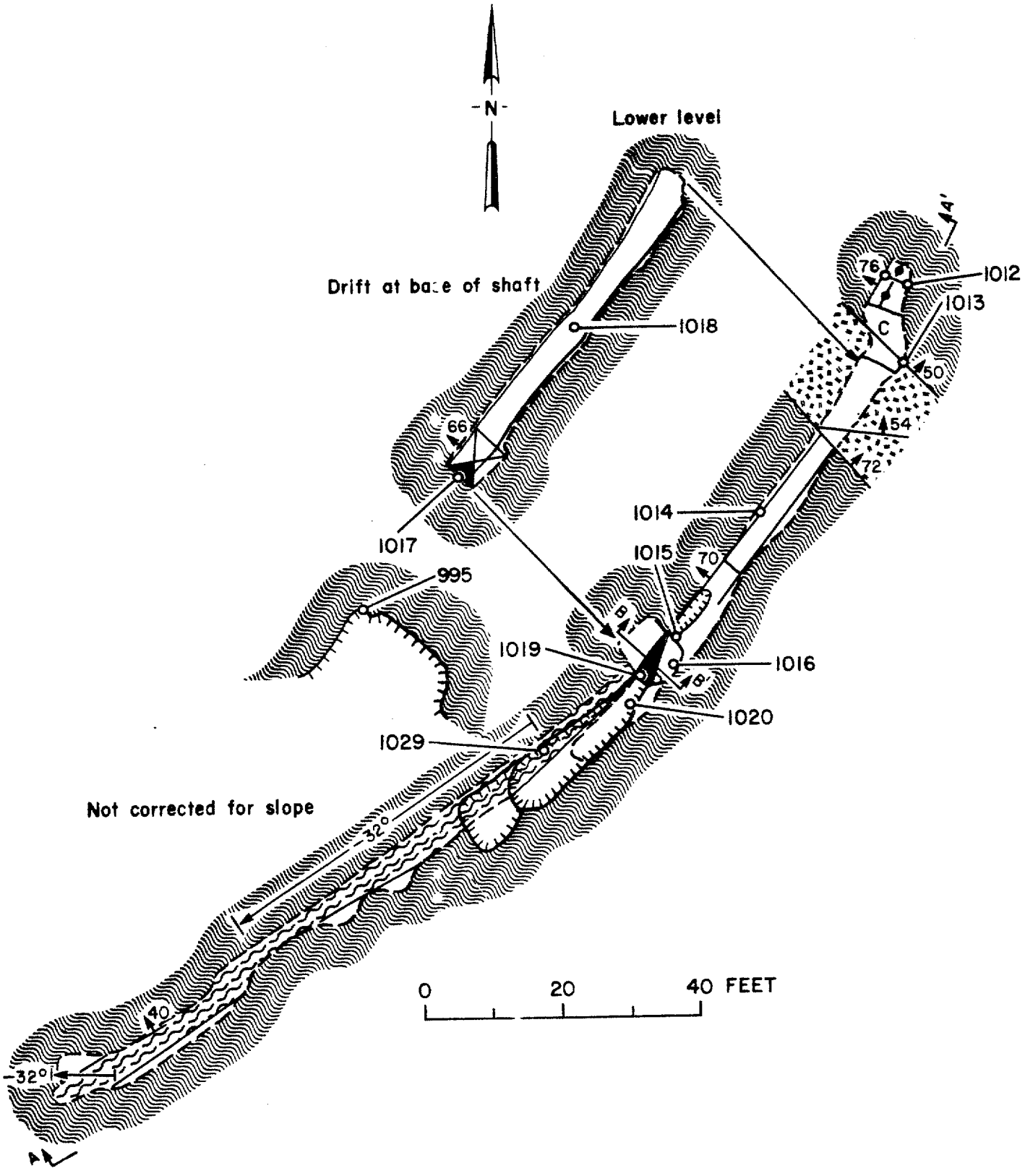


Figure 66a.--Plan view, inclined shaft, Pittsburg Mine.

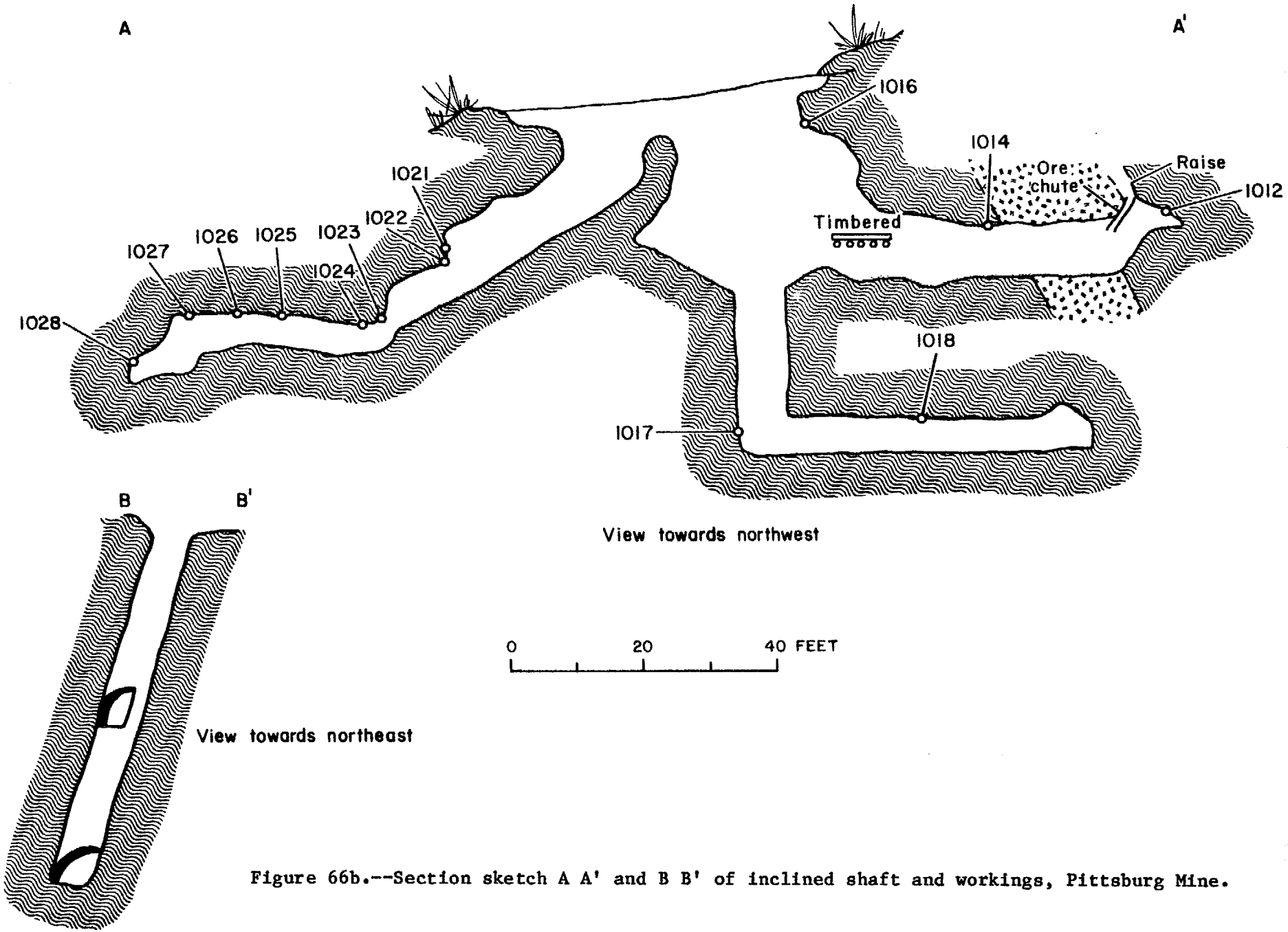


Figure 66b.--Section sketch A A' and B B' of inclined shaft and workings, Pittsburg Mine.

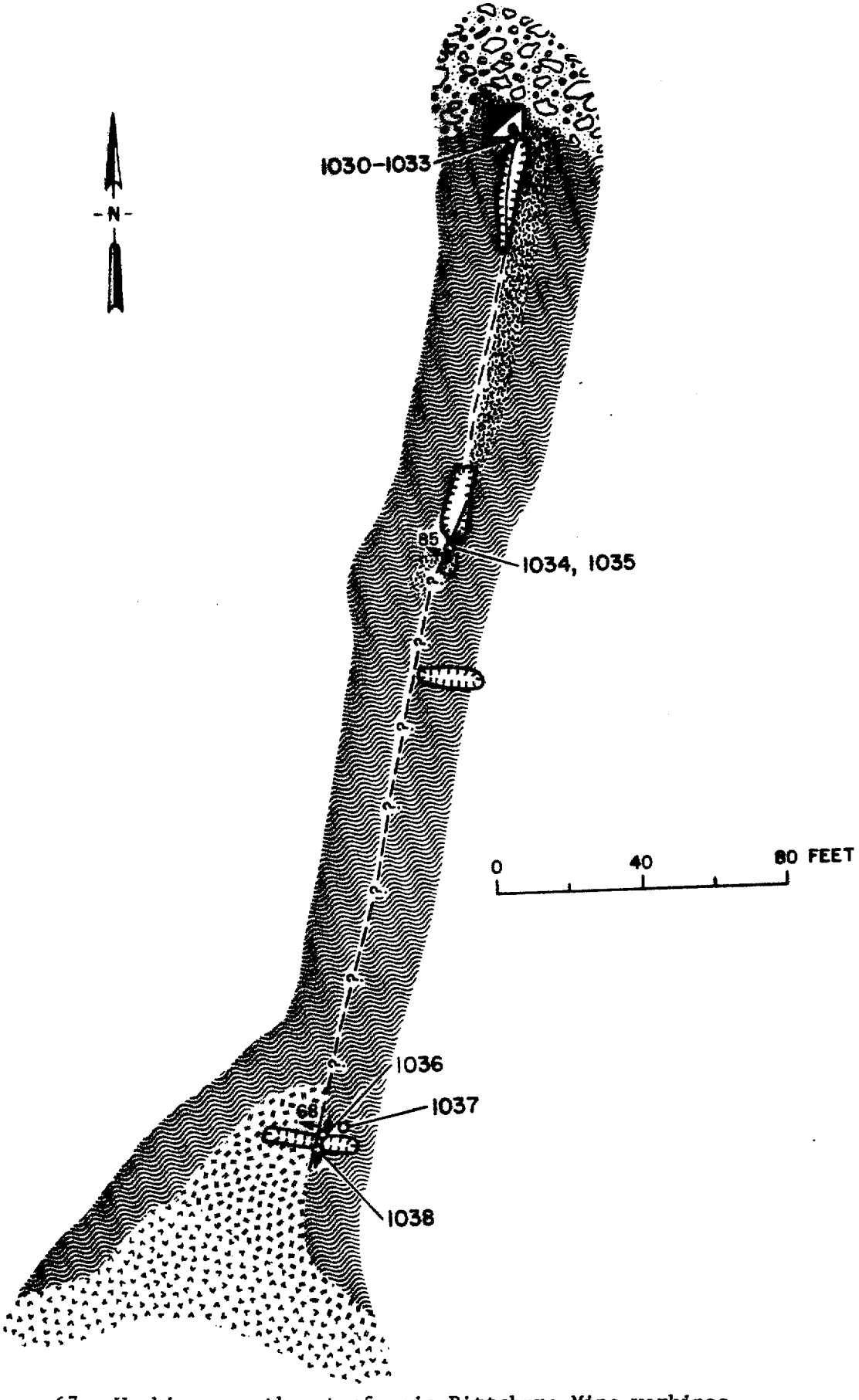


Figure 67.--Workings southwest of main Pittsburg Mine workings.

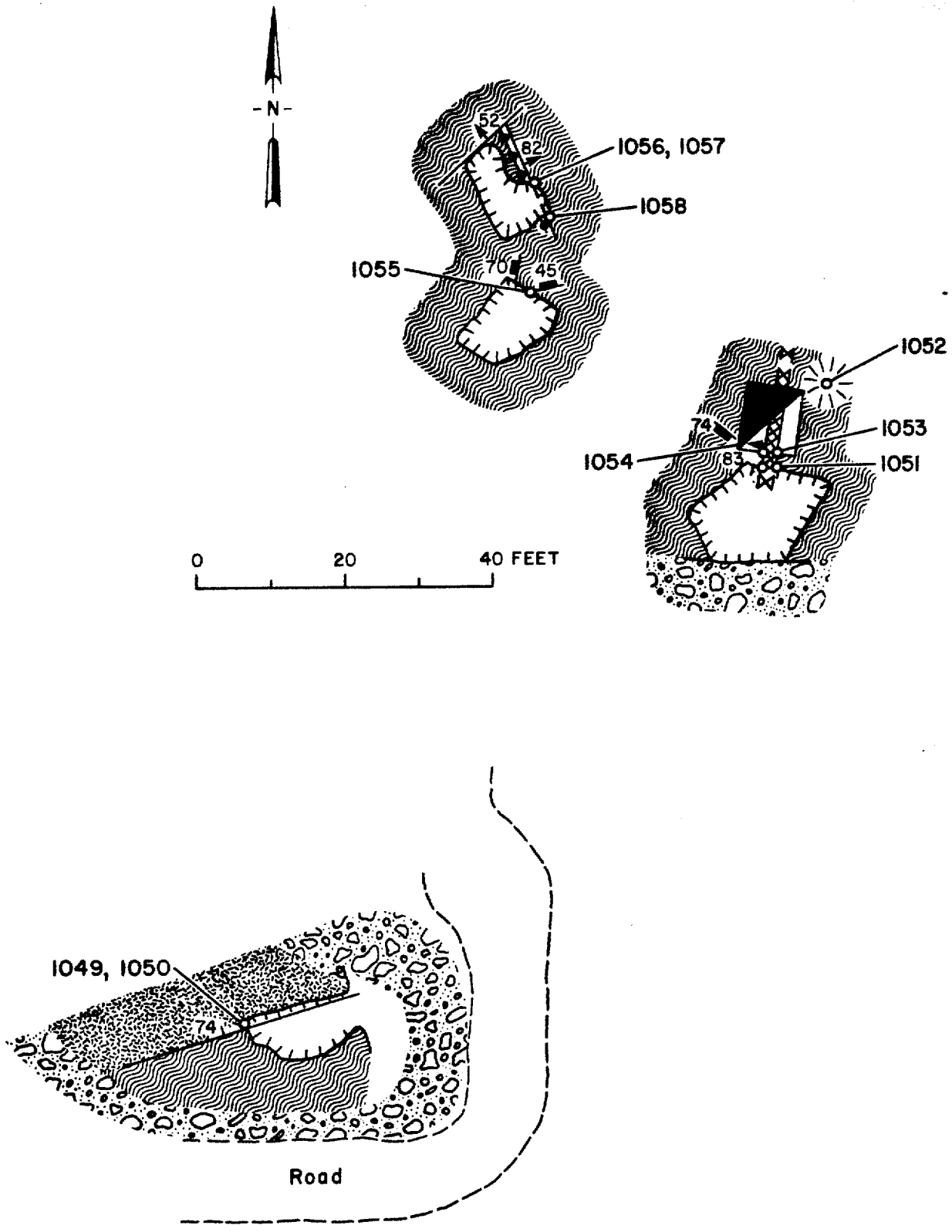


Figure 68.--Workings southwest of main Pittsburg Mine workings.

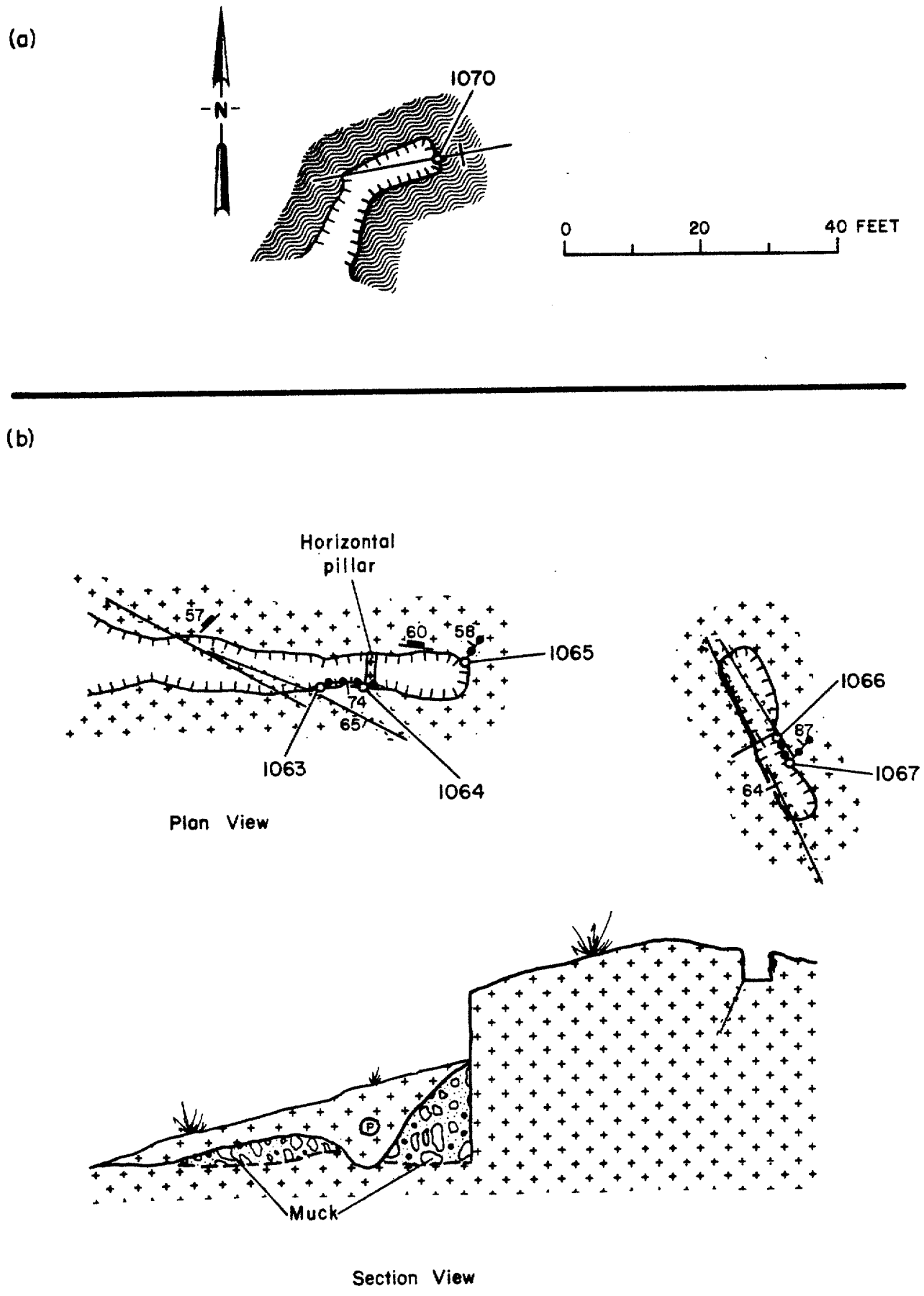


Figure 69.--Workings southeast (a) and southwest (b) of main Pittsburg Mine workings.

The northernmost workings in the Pittsburg trend consist of 2 prospect pits and 20-ft-deep decline approximately 1,000 ft northeast of the main shaft (fig. 63). The workings were cut on the northeast-trending fault zone in gneiss, diorite, and dacite. Analytical data for samples 972-980 from these workings contained as much as 4.3 oz silver per ton, 0.180 oz gold per ton, 0.92 percent barium, 0.44 percent copper, 1.35 percent lead, and 1.45 percent zinc. Sample 977 contained 0.008 percent molybdenum.

The main workings of the Pittsburg Mine consist of several prospect pits, a 210-ft-deep shaft, a 50-ft-long adit, a 100-ft-deep decline, and a 56-ft-deep shaft with drifts 45 and 60 ft long (fig. 64). The 210-ft-deep shaft was inaccessible, but all the other workings were mapped and sampled. The 50-ft-long adit was driven northeast along the fault to where the fault was truncated by a large Tertiary dacite dike (fig. 65). Fifty feet southwest of the portal is the decline and shaft (figs. 66a and b). The decline extends about 100 ft to the southwest along the fault. The shaft is 56 ft deep and has drifts at 30 and 55 ft that extend northeastward toward the main shaft. Samples 981-1029 taken from these workings contained as much as 52.4 oz silver per ton, 3.75 oz gold per ton, 9.0 percent barium, 1.1 percent copper, 9.0 percent lead, 0.4 percent tungsten, and 3.1 percent zinc. Resource calcuations based on samples from the main workings at the Pittsburg Mine suggest approximately 8,000 tons of inferred resources containing an average of 0.06 oz gold per ton, 3.1 oz silver per ton, 0.8 percent lead, and 0.6 percent zinc.

Southwest of the Pittsburg adit numerous prospects have been dug along the trend of the fault (figs. 67-69). Samples 1030-1067 from these pits contained as much as 1.6 oz silver per ton, 1.457 oz gold per ton, 0.21 percent lead, and 1.12 percent zinc. Resource calculations for these workings show

the presence of approximately 1,120 tons of inferred resources containing approximately 0.64 oz silver per ton. If the vein is projected as continuous between the numerous pits, the inferred resources would be approximately 6,300 tons.

El Campo Mine

The El Campo Mine is near Gold Spring in the SE1/4 sec. 8, T. 13 N., R. 18 W., approximately 3/4 mi outside the WSA boundary. The workings are easily accessible via dirt road from Standard Wash.

The El Campo Mine was worked during the depression in the early 1930's as a placer gold deposit. The underground workings consist of a tunnel and horseshoe-shaped adit, 85 ft long, cut on the contact between a pebble conglomerate and Precambrian granodiorite in a paleochannel (fig. 70). Sample 1105, taken across the contact contained 0.89 oz gold per ton. There is no record of how much gold was produced from the mine, but some flakes and small nuggets may have been recovered from the contact.

Approximately 300 ft north of the El Campo adit a 10-ft-long adit has been cut in Tertiary diorite to prospect a small northeast-trending fault (fig. 70). Minor copper staining is associated with the fault, but no mineral concentrations were detected in the samples. Analytical data for samples 1098-1105, collected from the workings are listed in tables 3-5.

Manitowoc Mine

The Manitowoc Mine comprises three patented lode mining claims with numerous shafts in SW1/4 sec. 16 and the E1/2 sec. 17, T. 13 N., R. 18 W., at an elevation between 1,600 and 1,800 ft. Access to the mine is via the dirt road in Standard Wash. No record of production from the Manitowoc Mine was found and the shafts are inaccessible, but the size of the dumps indicate that the extent of the underground workings is from several hundreds

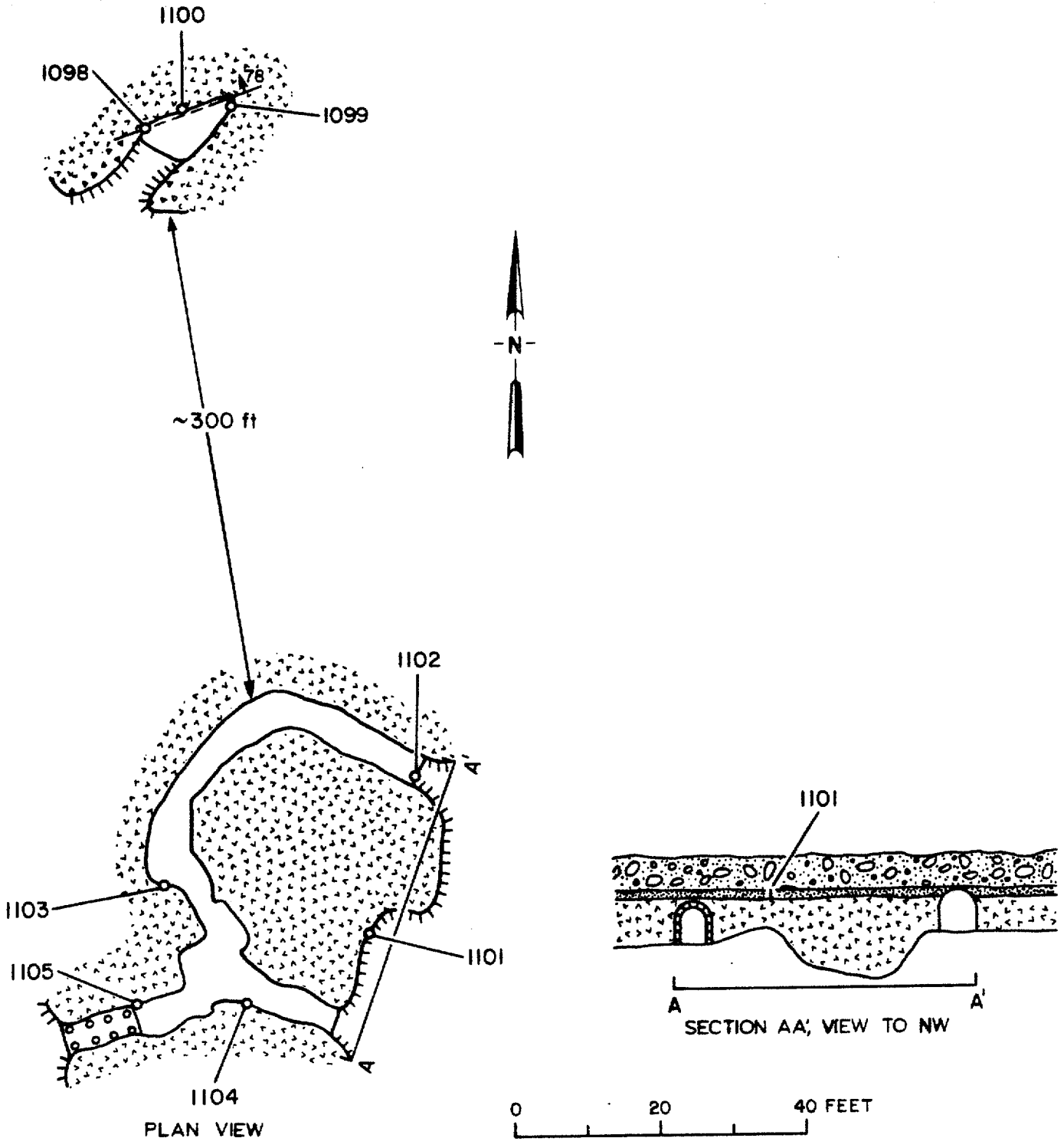


Figure 70.--El Campo Mine.

to several thousands of feet. Therefore, several hundred to a few thousand tons of ore may have been produced. The claims were patented in 1910 by Casper Taylor, and in 1981 were owned by Mr. K. J. Bartels, Lake Havasu City, Arizona.

One adit that was accessible was driven on a discontinuous quartz vein in highly fractured granodiorite (fig. 71). Sample 1107, a 16-in chip across the vein, contained 0.4 oz silver per ton and 0.065 oz gold per ton. Analytical results for samples 1106-1121 taken from workings of the Manitowoc mine are listed in tables 3-5. The highest metal concentrations observed in these samples were 2.2 oz silver per ton, 0.462 oz gold per ton, and minor lead and zinc.

Miscellaneous Workings

Numerous shafts, adits, and prospect pits have been excavated on quartz veins and faults throughout the wilderness study area. No information was found available on who worked the properties, when they were worked, or if there was any production. Most of the workings in this section were not extensive enough to have produced more than a few tons of high-grade ore. A brief description of the workings follows, and complete analytical data for samples from these localities are given in tables 3-5.

Sec. 6, T. 14 N., R. 18 W.

Three workings are in the SW1/4 of sec. 6, a 25-ft-long adit (fig. 72), a 15-ft-deep shaft and a small prospect pit. The workings were cut in gneiss on shear or fault zones containing quartz and calcite stringers, with hematite, limonite, and malachite staining. Samples 134-137 were collected from the workings and minor silver was detected in three of the analyses.

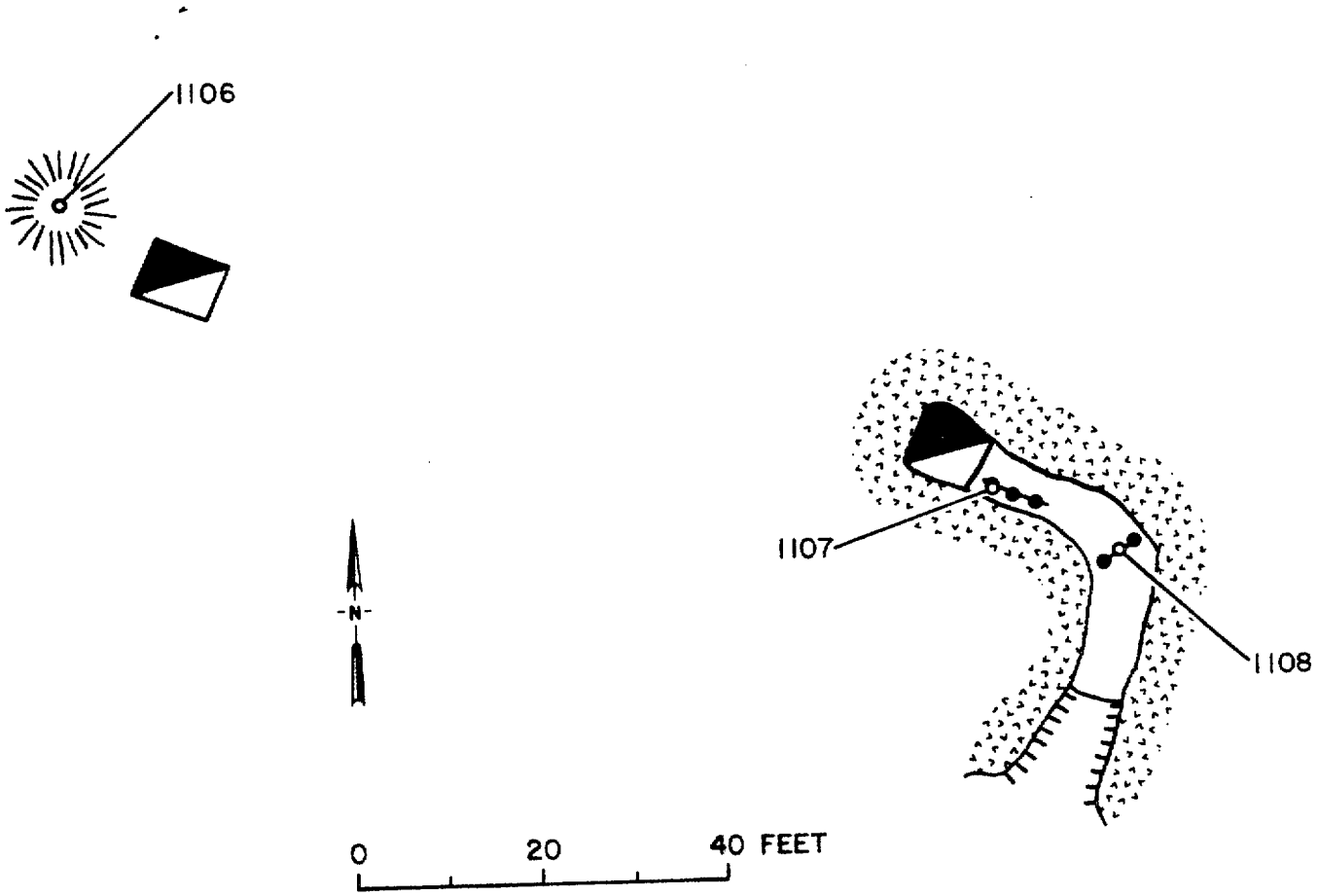


Figure 71.--Adit, Manitowoc Mine.

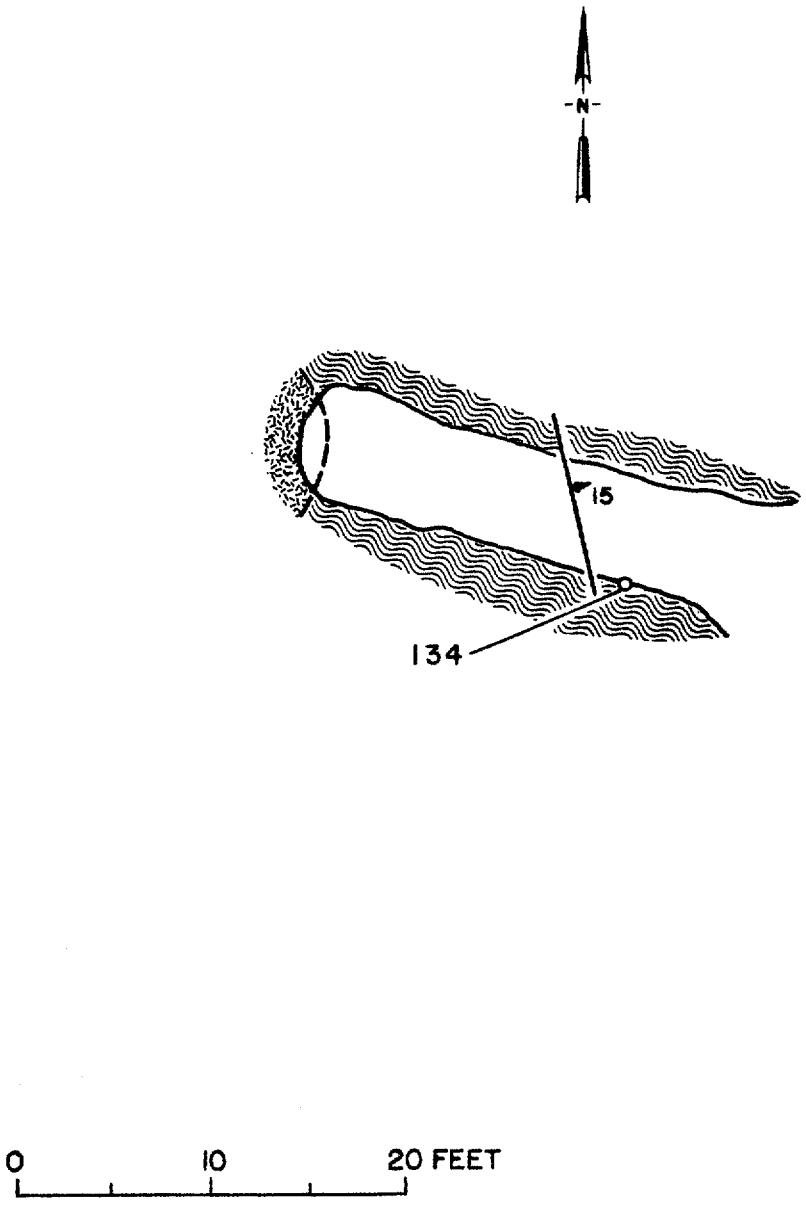


Figure 72.--Unnamed adit, SW1/4 sec. 6, T. 14 N., R. 18 W.

Sec. 17, T. 14 N., R. 18 W.

In the SE1/4 sec. 17 is a 21-ft-deep inaccessible shaft and several prospects pits. The shaft and associated pits (fig. 73), were cut on a diabase dike and gneiss fault contact. Samples 605-608, collected near the shaft, and samples 609-611 collected from two pits to the southeast of the shaft, indicated minor copper mineralization present.

Sec. 18, T. 14 N., R. 18 W.

In the SE1/4SW1/4 sec. 18 are three adits, two trenches, and several prospect pits. All but one 110-ft-long adit were cut on a northeast-trending quartz vein in gneiss.

Gold values for samples 586-587, taken across the vein in a pit, were 0.161 oz per ton and trace amounts, respectively. Southwest of the pit, samples 588-594 were collected across the vein, from a 35-ft-long adit and nearby trenches (fig. 74). Gold values from these samples ranged from trace amounts to 0.294 oz per ton. Samples 595-599 were also collected across the vein, from a 45-ft-long adit (fig. 75), with gold values ranging from less than 0.005 to 0.033 oz per ton. Inferred resources for these workings were calculated to be approximately 750 tons containing an average of 0.08 oz gold per ton.

Samples 600-604 were collected from the 110-ft-long adit which was driven NW in the gneiss (fig. 76). The adit intersects a shear zone and a small dacite dike, but no mineralization was detected.

Sec. 19, T. 14 N., R. 18 W.

In the NW1/4 sec. 19, a group of prospect pits along a ridge 1/4 to 1/2 mi south of Crossman Peak were dug on a north-trending quartz vein. Samples 726-744 were collected from the workings and 13 samples contained from

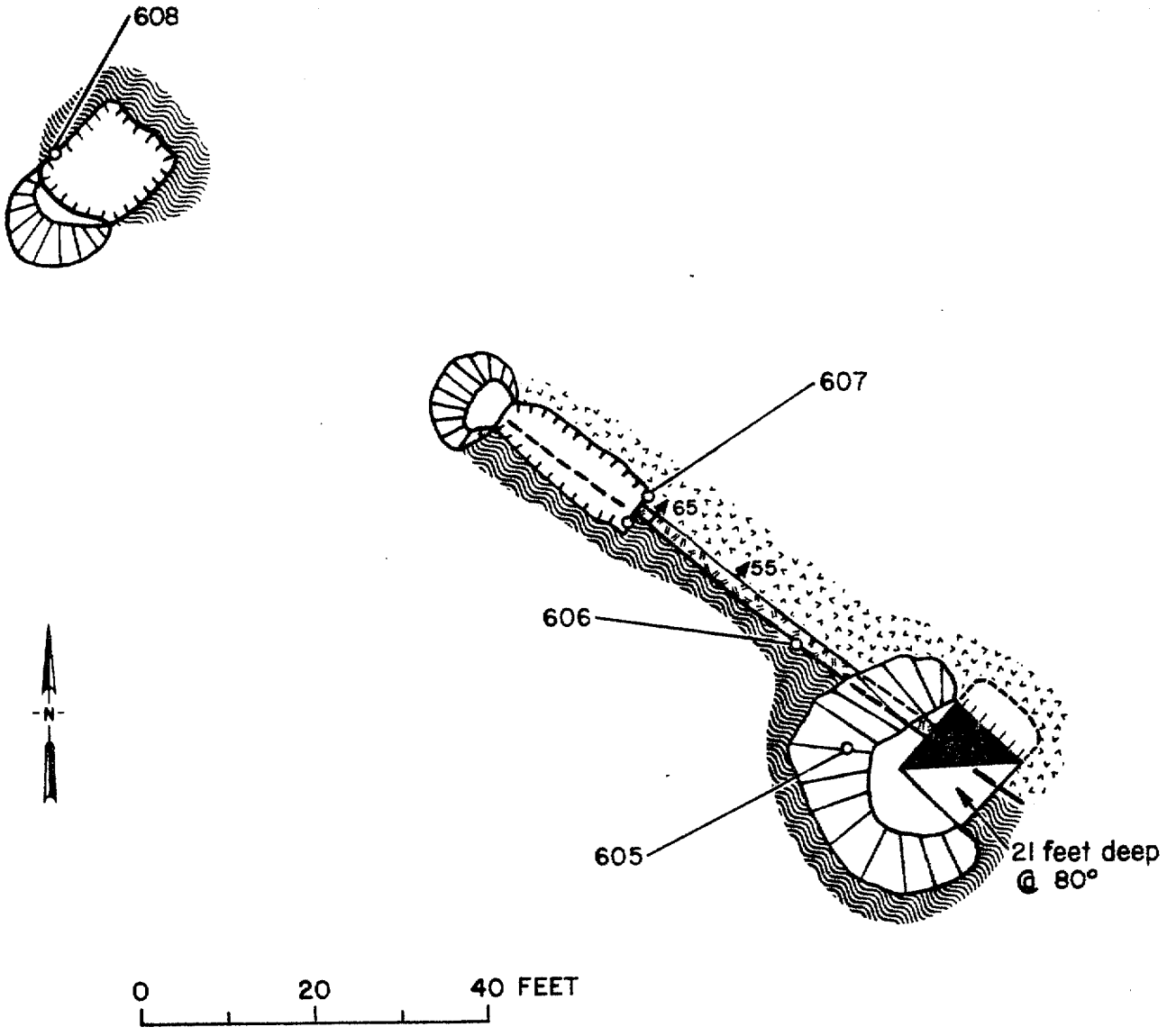


Figure 73.--Unnamed workings, SE1/4 sec. 17, T. 14 N., R. 18 W.

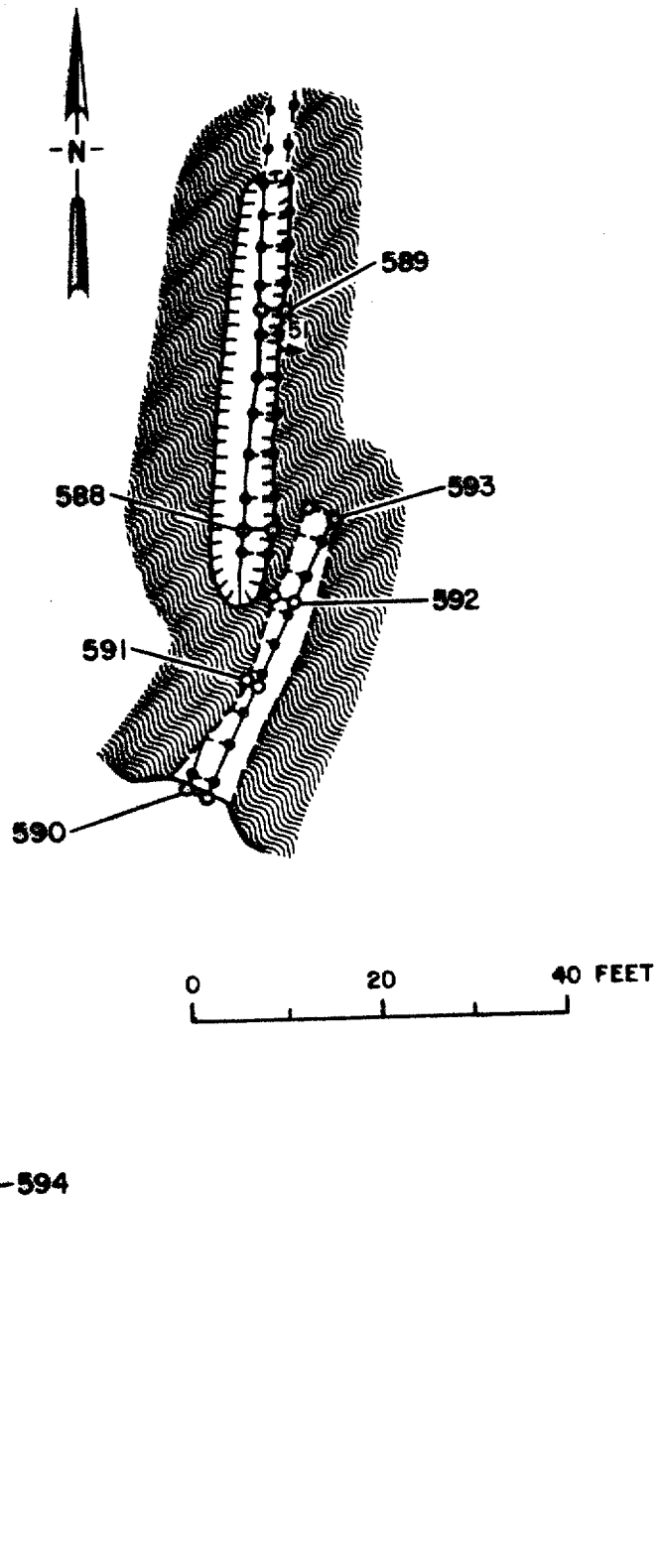


Figure 74.--Unnamed adit and trenches, SE1/4SW1/4 sec. 18, T. 14 N., R. 18 W.

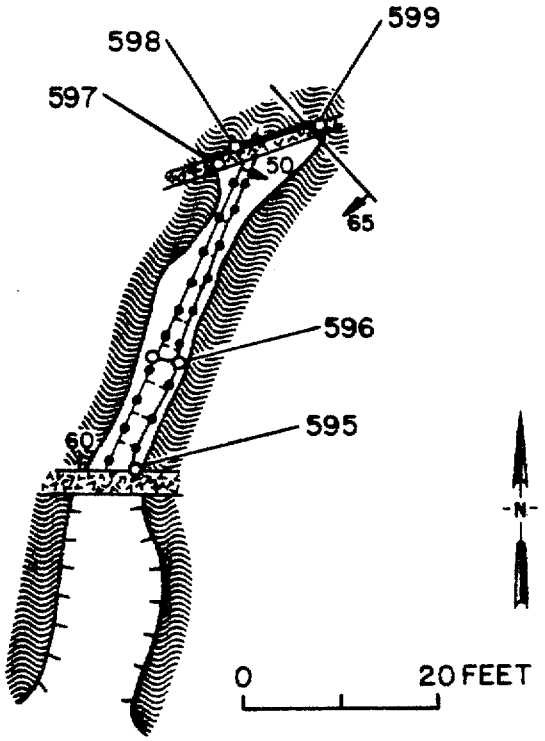


Figure 75.--Unnamed adit, SE1/4SW1/4 sec. 18, T. 14 N., R. 18 W.

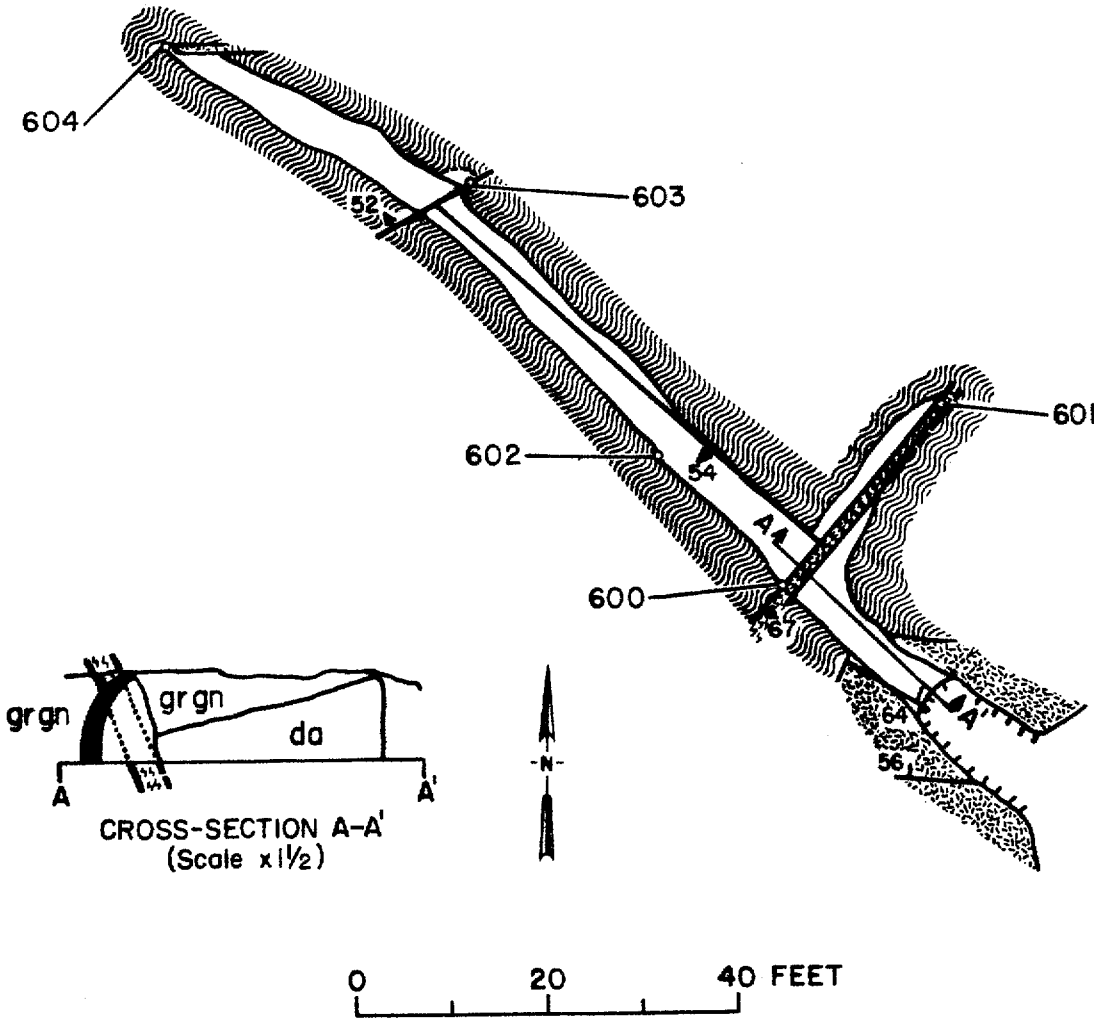


Figure 76.--Unnamed adit, SE1/4SW1/4 sec. 18, T. 14 N., R. 18 W.

trace amounts to 0.303 oz gold per ton, and 10 samples contained from 0.2 to 5.0 oz silver per ton. Samples 730, 731, and 735 contained 1.00 percent, 0.97 percent and and 0.51 percent lead, and samples 740 and 742 contained 0.94 percent and 1.80 percent copper, respectively.

Sec. 30, T. 14 N., R. 18 W. Kelt or Isar [illegible] (file)

A 40-ft-long adit (fig. 77), flooded shaft, and 15-ft-long trench are in NW1/4 sec. 30. The workings were cut on quartz veins in gneiss. Samples 947-952, chipped from the quartz veins and collected from the dumps, contained minor gold, copper and lead values.

Sec. 12, T. 14 N., R. 19 W.

In the SW1/4 sec. 12 a 45-ft-long adit (fig. 78) was cut N. 45° E. along a 48° NW. dipping shear zone. The shear displaces Precambrian gneiss and has been intruded by a quartz vein. Samples 289-293, collected across the vein, assayed 0.3 to 0.7 oz silver per ton, samples 291-293 assayed 0.014 to 0.872 oz gold per ton, and sample 289 contained 1.31 percent lead. Approximately 120 tons of inferred resources averaging 0.24 oz gold per ton and 0.45 oz silver per ton were calculated for this adit.

Sec. 13, T. 14 N., R. 19 W. [illegible] Big [illegible] (file)

A 30-ft-long adit, a trench and several prospect pits are in the NW1/4 sec. 13. The adit is driven S. 50° E. along a fault that dips 50° SW. and displaces Precambrian gneiss and Tertiary andesite (fig. 79). Samples 274-277 taken at the adit contained as much as 0.8 oz silver per ton.

Samples 282-284 are quartz vein material taken in and near the trench. Sample 283, a select high-grade sample collected from the talus, contained 2.7 oz silver per ton, 0.079 oz gold per ton, and 8.2 percent lead. Sample

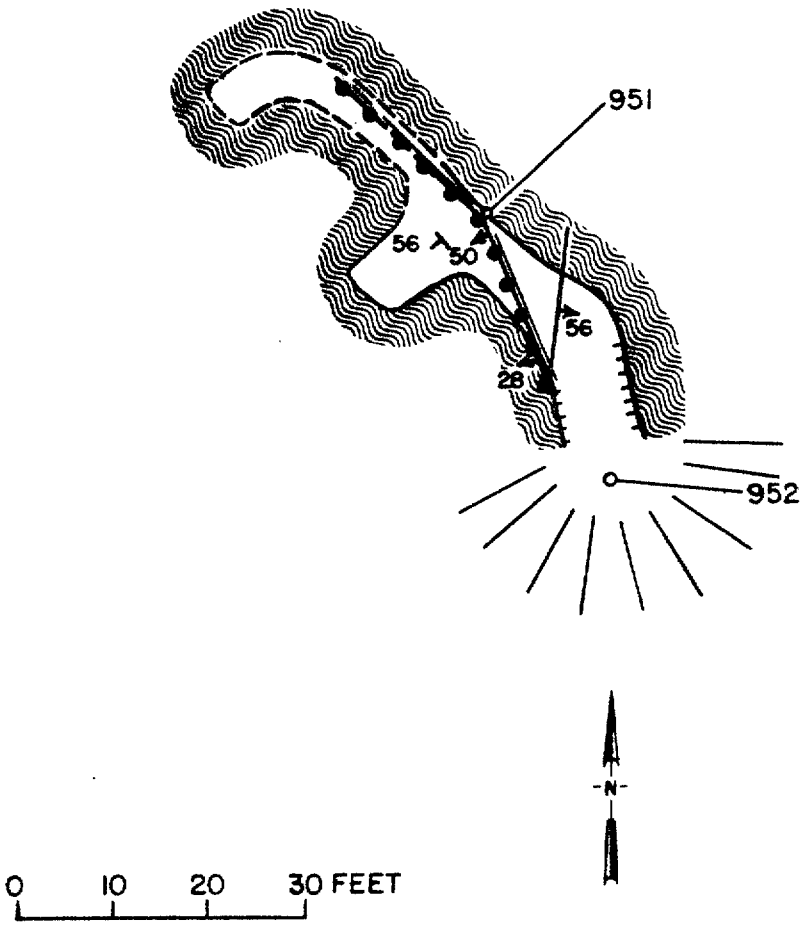


Figure 77.--Unnamed adit, NW1/4NW1/4 sec. 30, T. 14 N., R. 18 W.

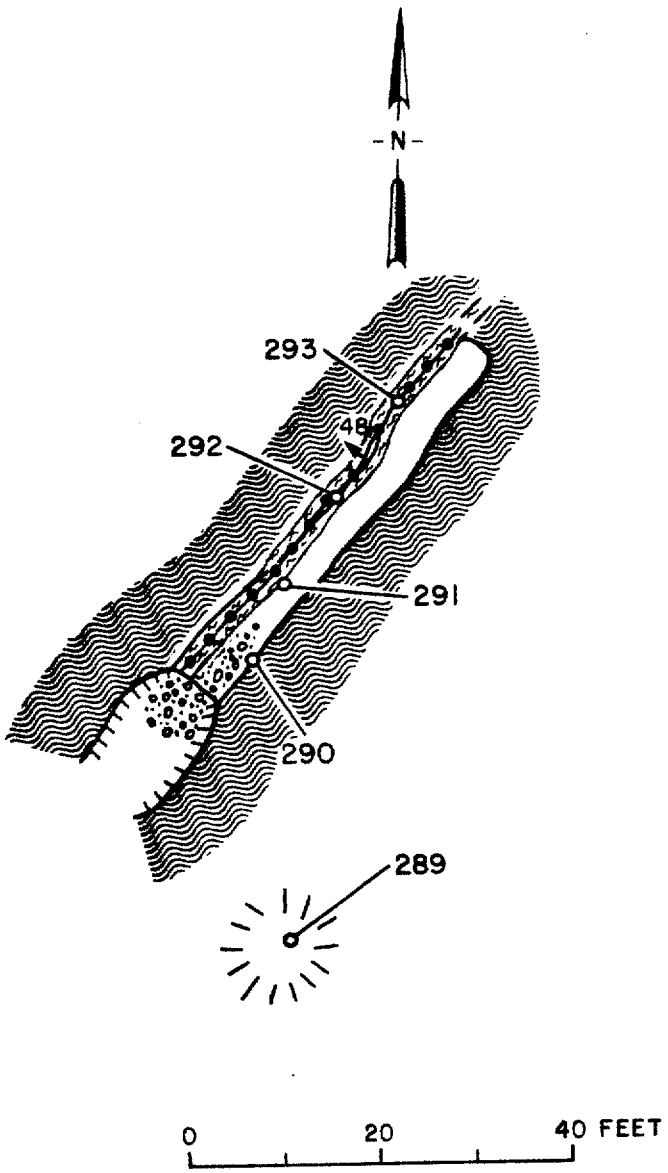


Figure 78.--Unnamed adit, SW1/4 sec. 12, T. 14 N., R. 19 W.

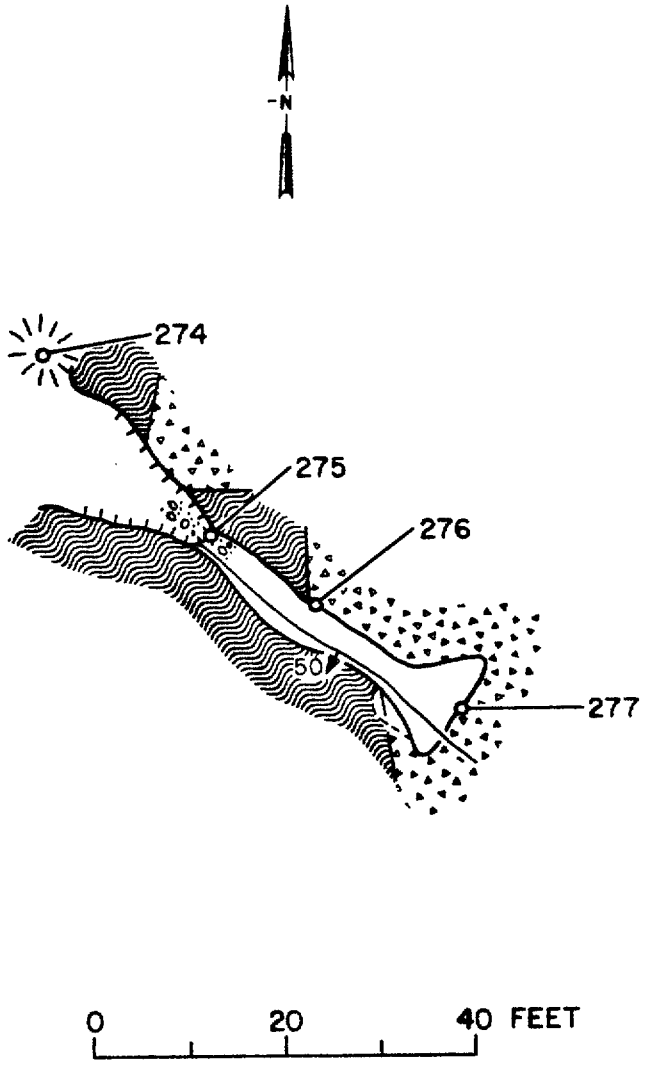


Figure 79.--Unnamed adit, NW1/4 sec. 13, T. 14 N., R. 19 W.

284 was chipped from a vein outcrop near the trench and contained 0.4 oz silver per ton.

Samples 287 and 288 were taken in a pit, across a shear zone in gneiss. The samples assayed 0.3 and 0.6 oz silver per ton, respectively, and sample 288 also contained 0.103 oz gold per ton.

In north-center sec. 13 a prospect pit, an open cut, and a trench are cut on a quartz vein in gneiss (fig. 80). An andesite dike cuts the gneiss and quartz vein between the trench and pit.

Samples 371-373, collected from these workings, had silver values of 0.4 to 0.6 oz per ton.

Sec. 14, T. 14 N., R. 19 W.

Two adits, one with two portals and an intersecting decline, are in the NW1/4 sec. 14 (fig. 81). The main adit consists of 110 ft of workings including a 35-ft-deep inclined winze. Two portals enter the main drift which was cut along a N. 30° W. trending, 47° SW. dipping, vuggy quartz vein in gneiss. Abundant galena, pyrite, and hematite staining are visible in the exposed vein. Samples 261-268 were collected in the main adit at intervals along the vein. Samples contained as much as 2.4 oz silver per ton and 1.584 oz gold per ton with no values below the detection limits (0.2 oz silver per ton and 0.005 oz gold per ton gold). Lead values for these samples all ranged from 0.40 percent to 4.00 percent. This adit contains approximately 610 tons of inferred resources averaging 0.41 oz gold per ton and 1.3 oz silver per ton.

The second adit was cut N. 35° W. for 90 ft, with a drift N. 20° E. for 50 ft. A 35-ft-thick dacite dike cuts the host gneiss beginning at 50 ft from the portal. Samples 269-271, collected from the adit contained minor silver.

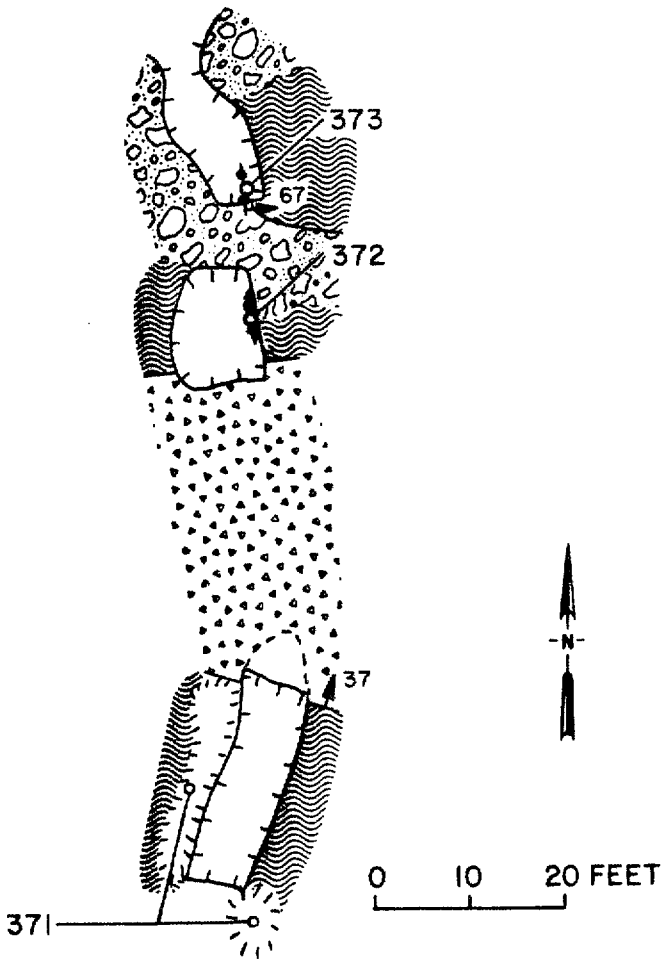


Figure 80.--Unnamed workings, north-center sec. 13, T. 14 N., R. 19 W.

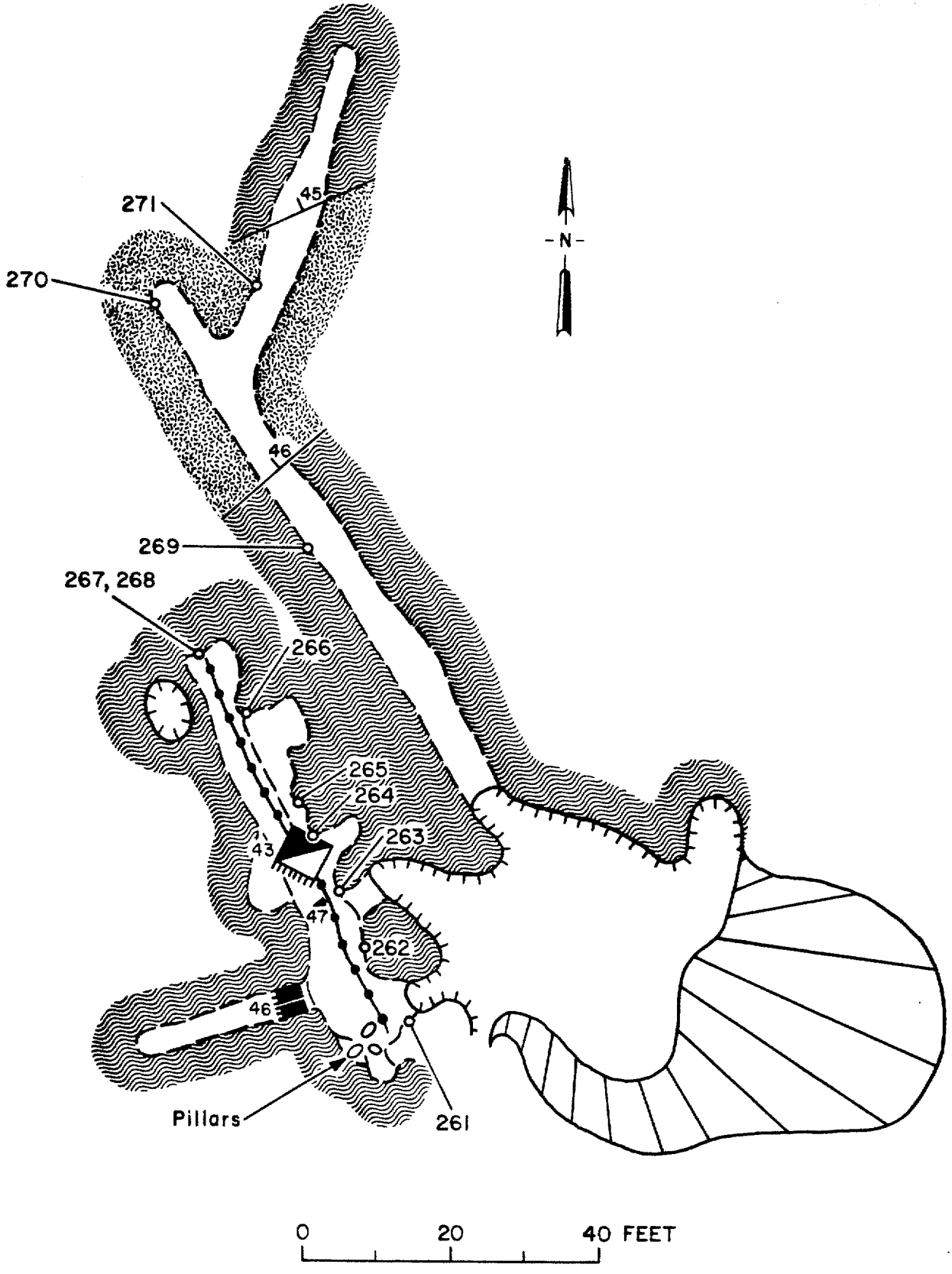


Figure 81.--Unnamed adits, NW1/4 sec. 14, T. 14 N., R. 19 W.

Sec. 16, T. 14 N., R. 19 W.

In the NW1/4 sec. 16 is a 35-ft-long adit (fig. 82) and several trenches and prospect pits. The workings were cut on a shear or fault zone in gneiss. Alteration of the gneiss, with frequent hematite staining and minor copper mineralization, is evident.

Samples 218-221, taken in two trenches cut on N. 80° W. trending fault zones, contained silver and gold values to 1.6 oz per ton and 0.065 oz per ton, respectively. Analyses of samples 222-227 from the remaining prospects, were all near or below the detection limits (0.2 oz silver per ton and 0.005 oz gold per ton).

Sec. 17, T. 14 N., R. 19 W.

In the NW1/4 sec. 17 is a 12-ft-deep shaft, two trenches, and a prospect pit (fig. 83). A 30-ft-long drift bears south to southwest from the base of the shaft into the host rhyolite. The drift intersects a northwest-trending fault, but local mineralization doesn't seem to be influenced by this fault. Samples 204-211, collected from the workings, contained trace to 0.115 oz gold per ton, and six samples had silver values ranging from 0.2 to 1.2 oz per per ton. The lack of obvious control of mineralization suggests that the gold and silver may be disseminated in the rhyolite, and inferred resources have been calculated as approximately 5,500 tons containing 0.03 oz gold per ton and 0.19 oz silver per ton.

Two samples (212 and 213) were collected from a pit southeast of these workings. Gold values of trace amounts and 0.024 oz per ton were detected, with minor silver in sample 213.

In SE1/4 sec. 17 a prospect pit was cut in Tertiary andesite containing abundant malachite and azurite staining. Samples 214 and 215, collected

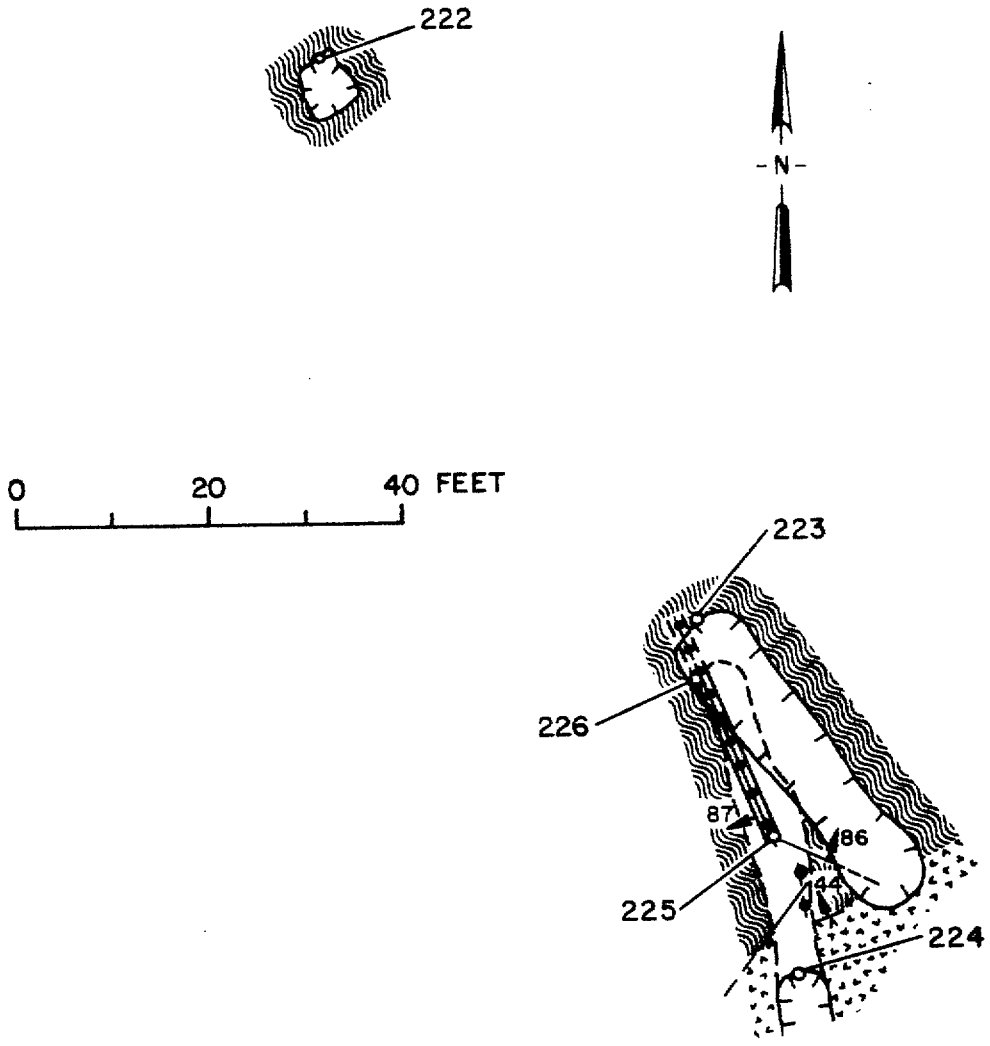


Figure 82.--Unnamed workings, NW1/4 sec. 16, T. 14 N., R. 19 W.

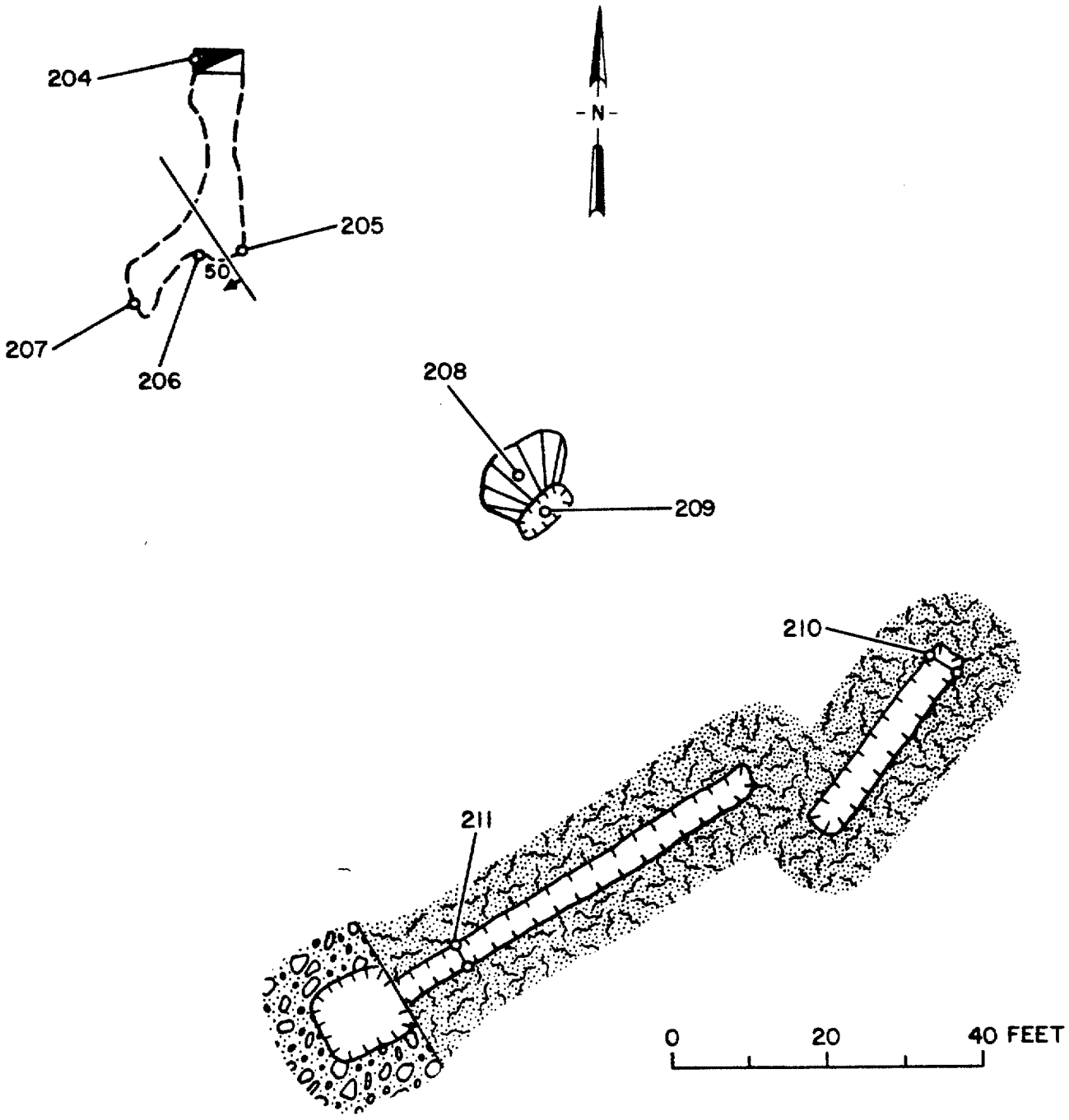


Figure 83.--Unnamed workings, NW1/4 sec. 17, T. 14 N., R. 19 W.

from the pit, contained 4.9 and 0.6 oz silver per ton, respectively. Sample 214 also contained 5.80 percent copper.

Sec. 21, T. 14 N., R. 19 W.

A 25-ft-long adit (fig. 84) and a prospect pit are in the SW1/4SW1/4 sec. 21. The adit was driven northwest in alluvium overlying Tertiary dacite. No mineralization was detected in samples 612-615, collected from these workings.

Sec. 23, T. 14 N., R. 19 W. gold on 97 mile

In the center of sec. 23 are two parallel-trending adits with a connecting crosscut (figs. 85 and 86). Access is from the Falls Springs Wash jeep trail and a foot trail.

Both adits were driven southward into very fractured gneiss. The gneiss has been intruded by dacite and diorite dikes, and has been extensively faulted. Irregular drifting and stoping constitute much of the more than 200 ft of workings. Samples 618-633, collected from the adits, contained minor amounts of gold and silver.

Sec. 24, T. 14 N., R. 19 W.

A 15-ft-long adit, two trenches, and several prospect pits are in NE1/4 sec. 24. The adit and trenches were cut along a northeast-trending quartz vein in gneiss (fig. 87). The location and trend of this vein relative to the vein at the Sunrise Mine suggest both are part of the same mineralized system.

Samples 680-684, collected from these workings, contained as much as 0.55 oz gold per ton, with only sample 684 having less than a 0.005 oz gold

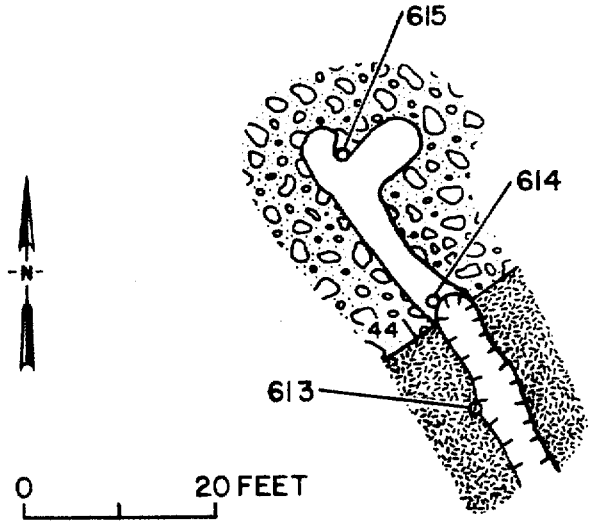


Figure 84.--Unnamed adit, SW1/4SW1/4 sec. 21, T. 14 N., R. 19 W.

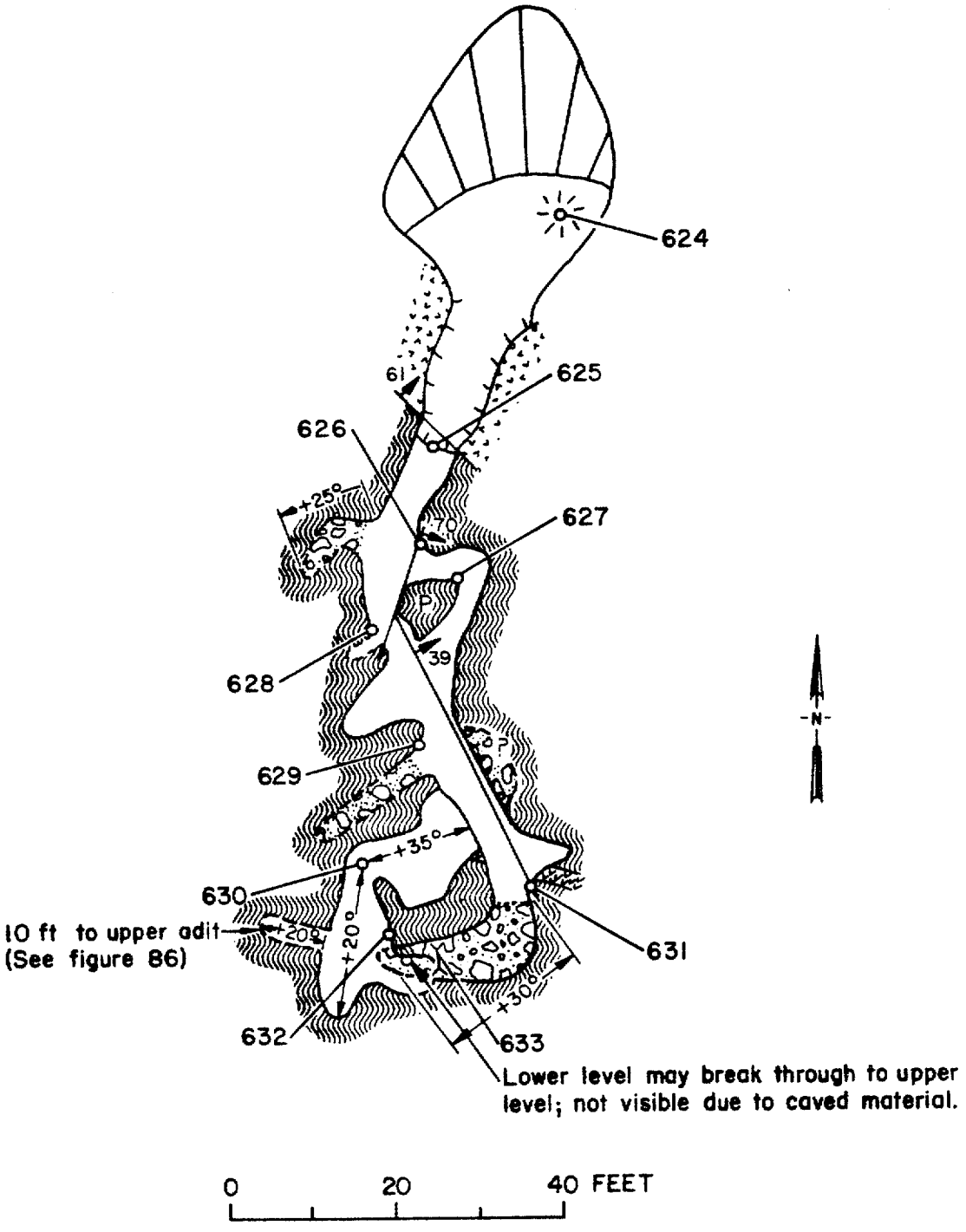


Figure 85.--Unnamed adit, center sec. 23, T. 14 N., R. 19 W.

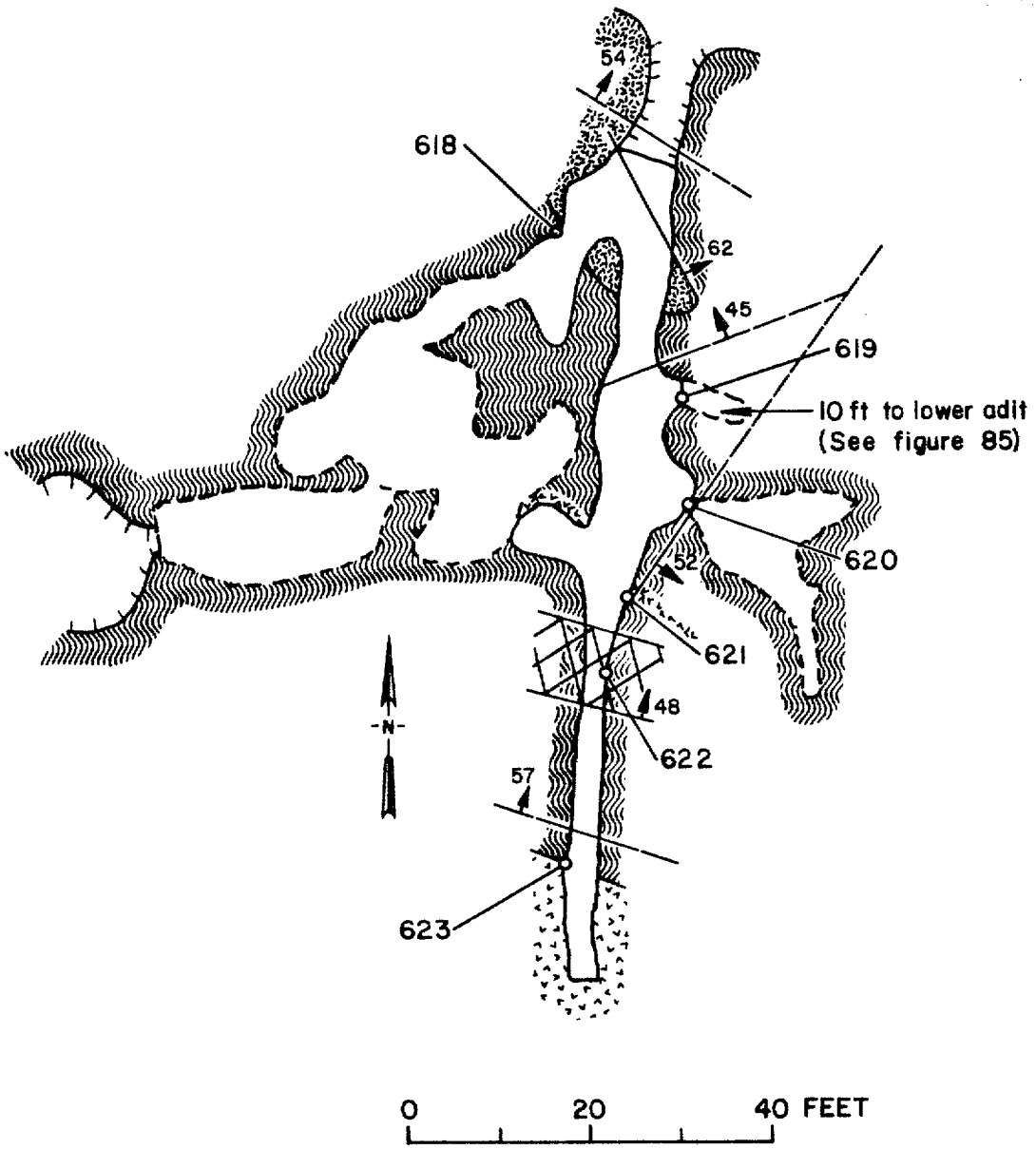


Figure 86.--Unnamed adit, center sec. 23, T. 14 N., R. 19 W.

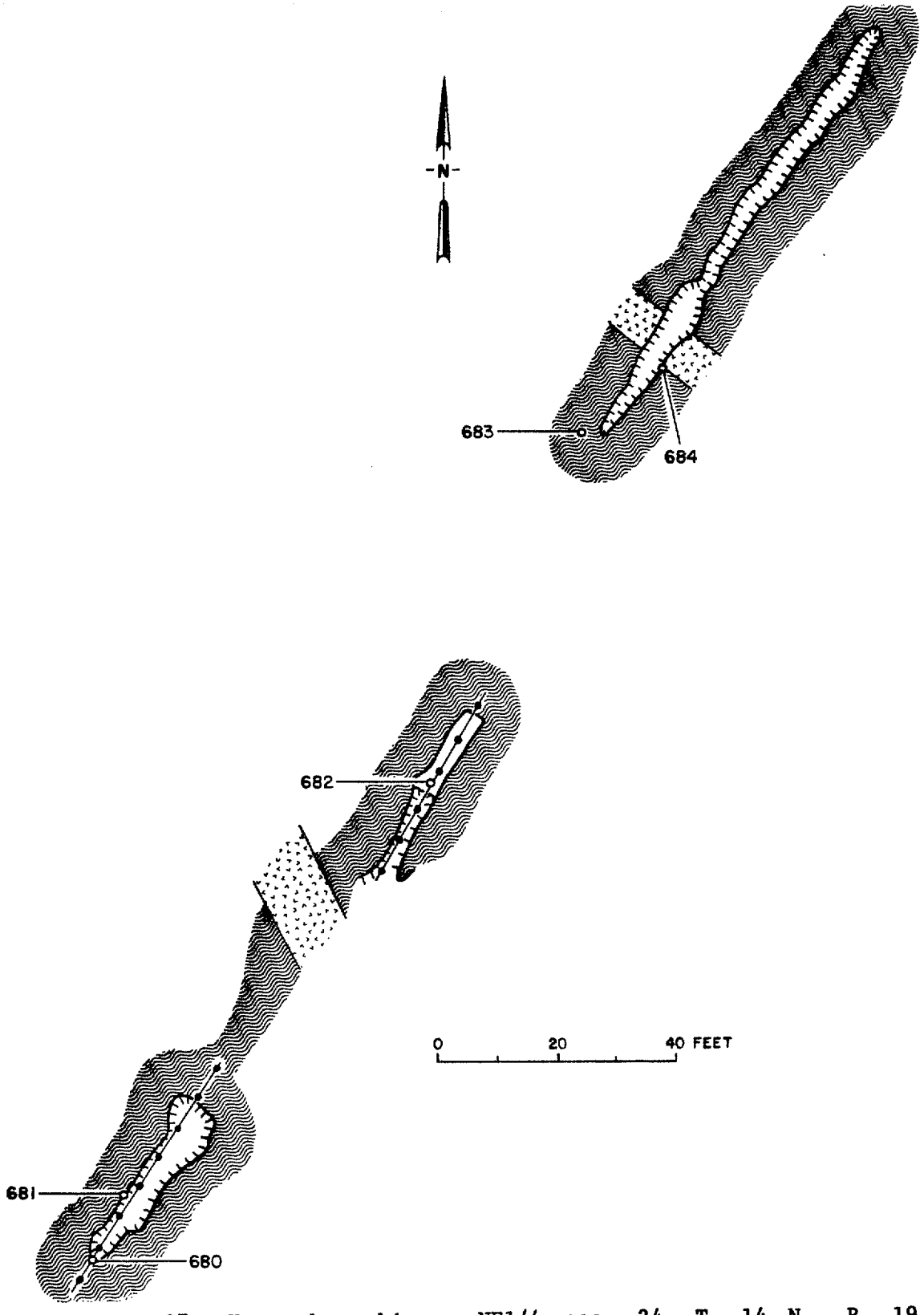


Figure 87.--Unnamed workings, NE1/4 sec. 24, T. 14 N., R. 19 W.

per ton. Samples 681 and 683 also contained minor silver values. Estimates of inferred resources based on sample data from these workings suggest approximately 1,300 tons averaging 0.05 oz gold per ton.

Three prospect pits southeast of the adit were cut on quartz stringers and veins in gneiss. Samples 685-690, collected from these pits, contained as much as 1.346 oz gold per ton and 1.4 oz silver per ton. Only sample 686 had values less than detectable for both gold and silver, and sample 688 had a value less than detectable for silver.

Three adits and several small prospect pits were cut on northeast- to northwest-trending quartz veins in the south-center sec. 24 (fig. 88). These workings are accessible by a foot trail from the end of the dirt road in the drainage south of Falls Springs Wash.

Adit no. 1 was driven S. 70° E. for 135 ft along a fault zone, then N. 50° E. along a fault with a quartz vein (fig. 89). Adit no. 2 was crosscut S. 60° E. to intersect a fault zone and quartz vein trending N. 35° E. (fig. 90). The vein dies out to the southwest, and is truncated by a diabase dike to the northeast. Adit no. 3 consists of about 70 ft of drift cut across a north-trending fault zone and quartz vein (fig. 91). Samples 650-677, collected from these workings, contained as much as 0.815 oz gold per ton, with the highest values coming from adit no. 2 and no. 3. Approximately 920 tons of inferred resources averaging 0.14 oz gold per ton have been calculated for adit no. 2.

Sec. 25, T. 14 N., R. 19 W. None

An inaccessible shaft and several adits and prospect pits are in the north-center sec. 25. The workings are separated into three groups.

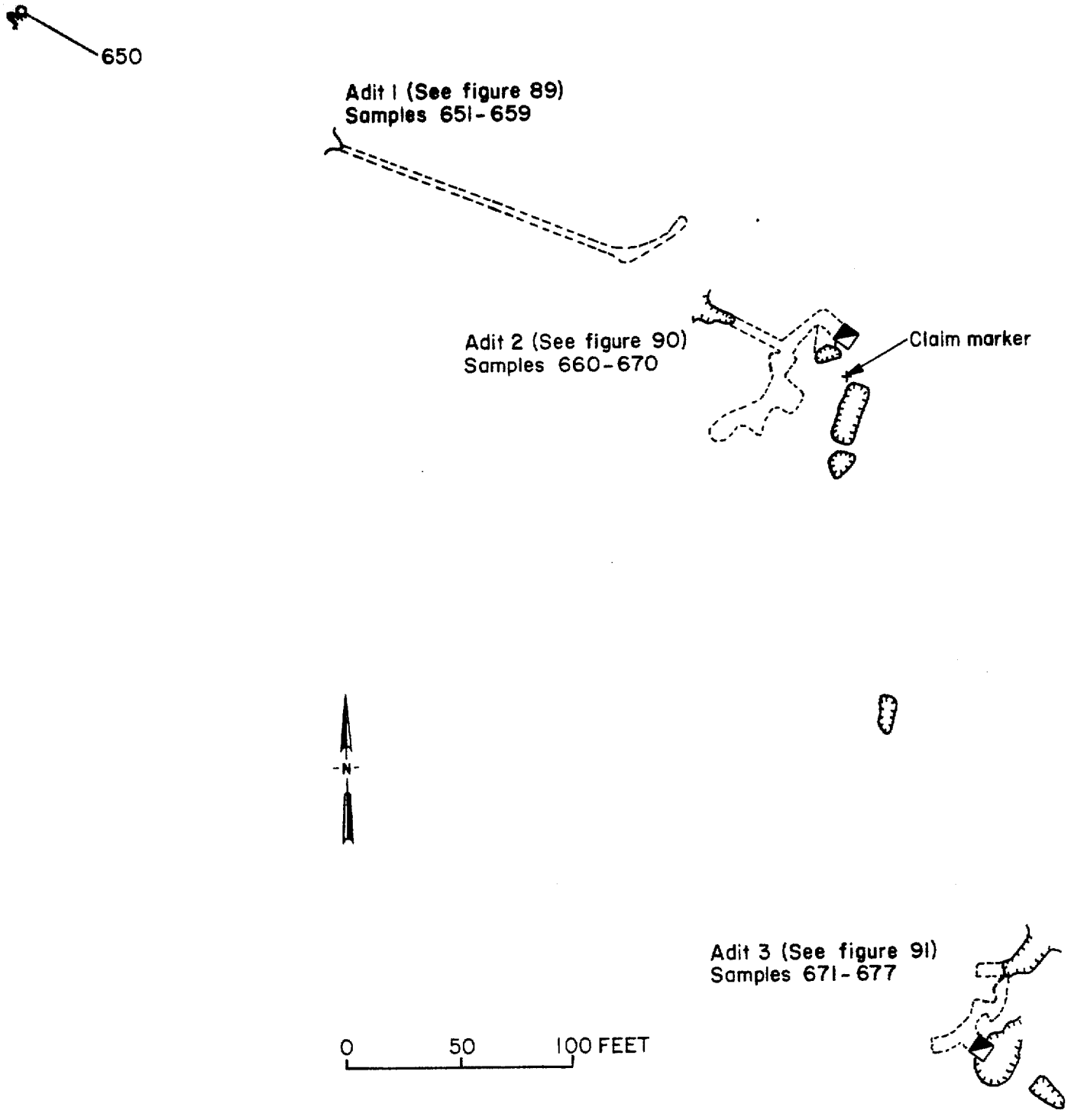


Figure 88.--Surface map, unnamed adits, south-center sec. 24, T. 14 N., R. 19 W.

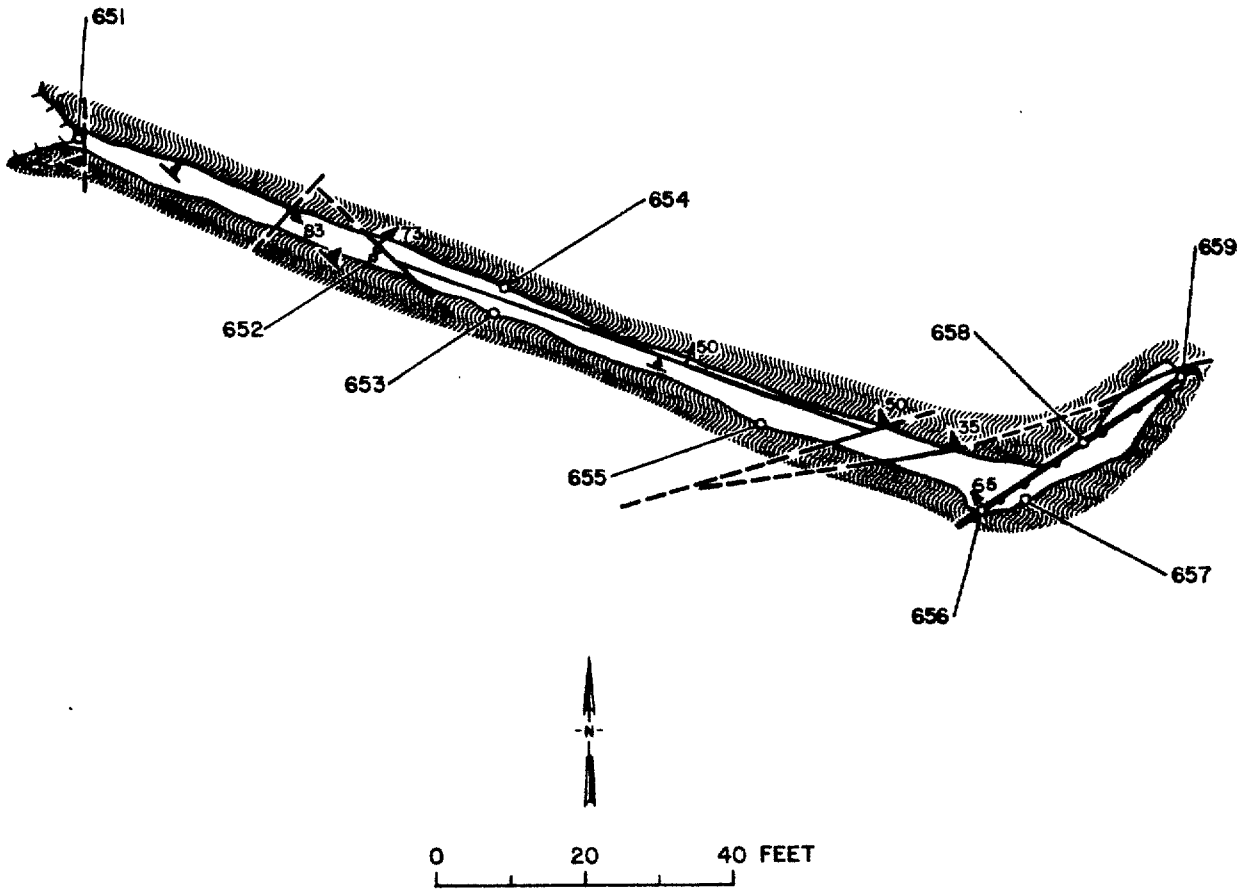


Figure 89.--Adit no. 1, south-center sec. 24, T. 14 N., R. 19 W.

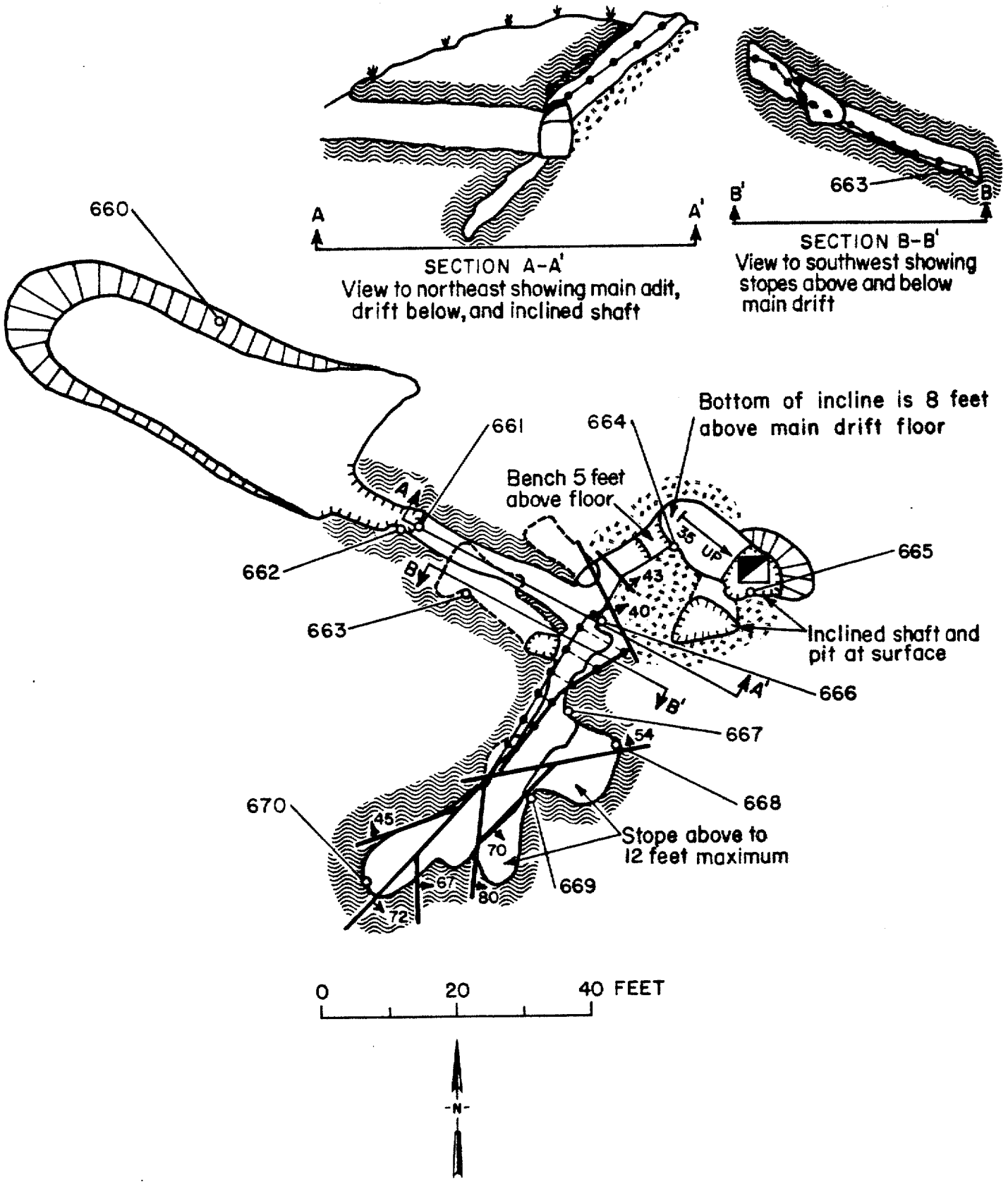


Figure 90.--Adit no. 2, south-center sec. 24, T. 14 N., R. 19 W.

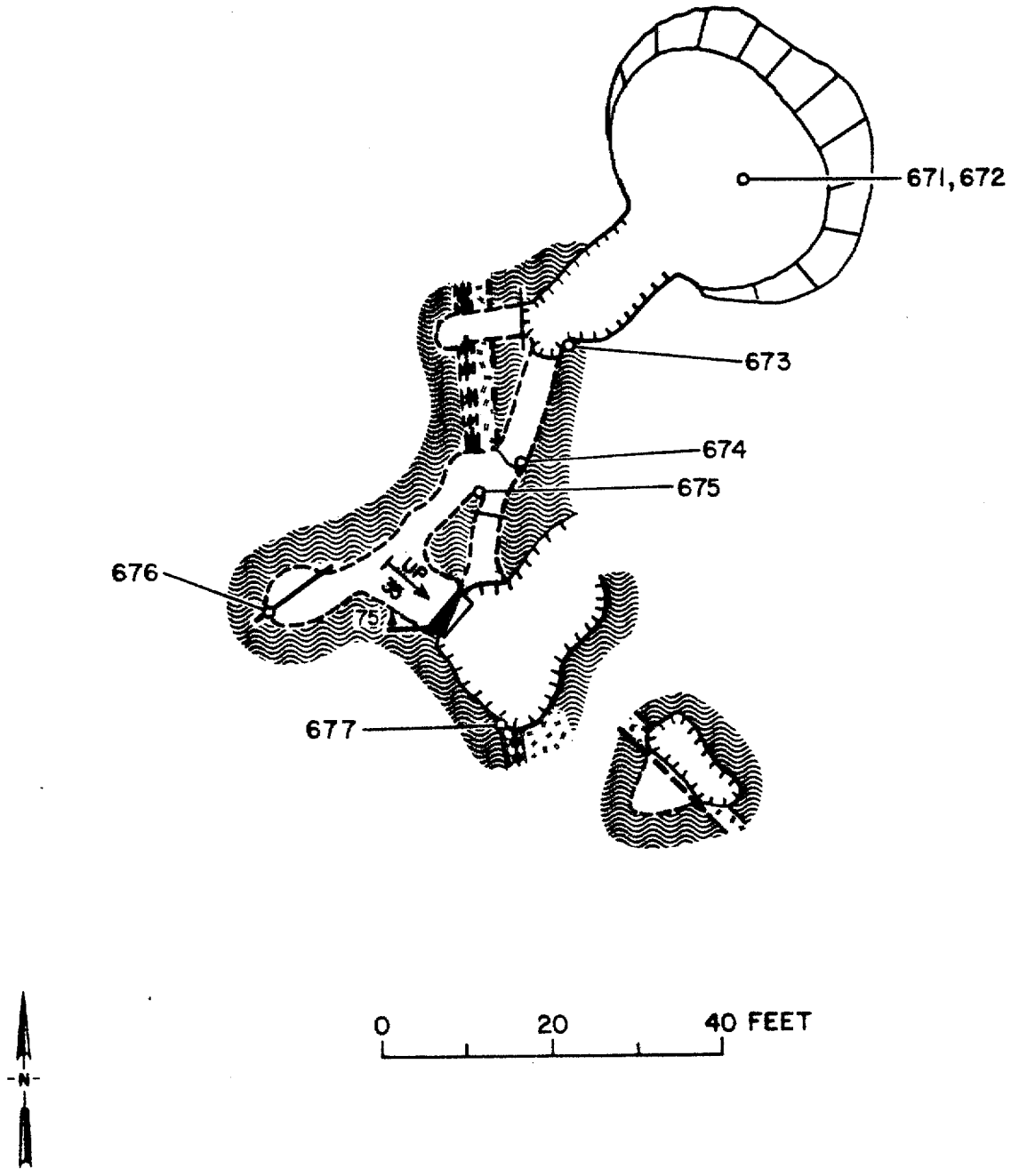


Figure 91.--Adit no. 3, south-center sec. 24, T. 14 N., R. 19 W.

Nearest the center of the section, are two pits and an adit (fig. 92) cut in a fault zone in gneiss. Samples 963-969 were collected from these workings and samples 968 and 969 from the northernmost pit, contained 0.044 and 0.009 oz gold per ton, respectively.

East of the section center, samples 961 and 962 were collected from two pits cut in a fault and quartz vein in gneiss. Sample 962 contained 0.019 oz gold per ton.

The northernmost group consists of the shaft, four adits and a pit. Workings in this area are cut in fractured granitic gneiss containing quartz stringers (figs. 93 and 94). Samples 953-960, collected from these workings, contained as much as 0.363 oz gold per ton, with minor silver.

Sec. 36, T. 15 N., R. 19 W. None

An inclined shaft, adit, opencut and pit are in Precambrian gneiss, in the west-center sec. 36.

The 35-ft-deep inclined shaft dips an average of 55° S. 65 W. and cuts under, and along a quartz vein in a shear zone (fig. 95). Analyses for samples 57-60, collected on a quartz vein in the shaft, contained 0.2-0.8 oz silver per ton and 0.078-0.233 oz gold per ton.

The opencut and adit are both 10 ft long, bear S. 75° W., and lie southeast of the shaft (fig. 96). The opencut crosscuts two northwest-trending, southwest-dipping quartz veins. Samples 63 and 64, collected across the quartz veins contained minor silver. The adit was driven along a northeast-trending, southeast-dipping fault. Sample 62, collected across the fault contained 2.5 oz silver per ton. Analyses for samples 65 and 66, collected from a 30-ft-long trench to the southeast of the adit, showed minor silver.

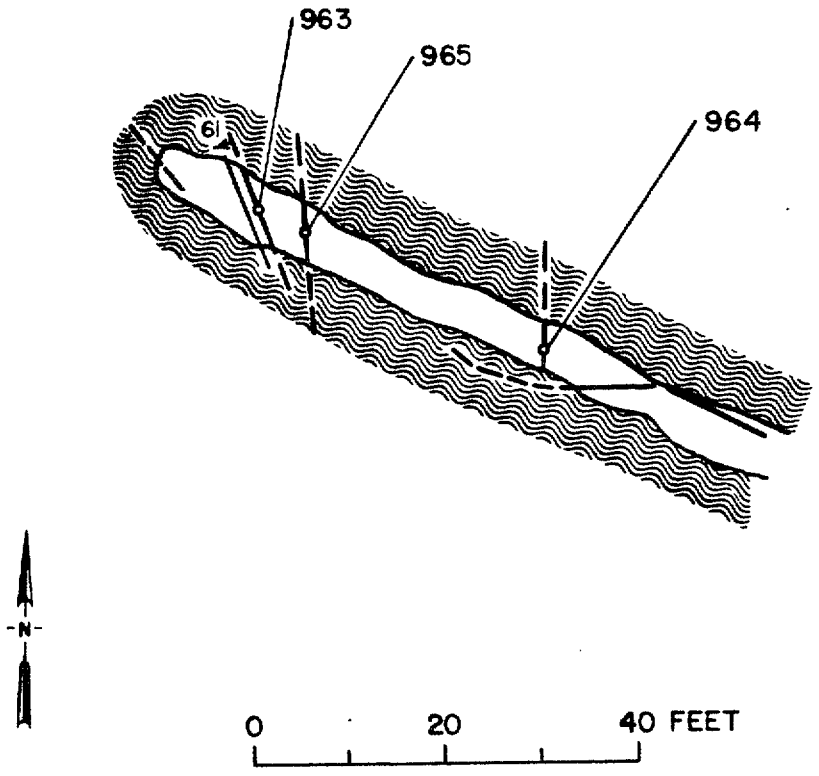


Figure 92.--Unnamed adit, north-center sec. 25, T. 14 N., R. 19 W.

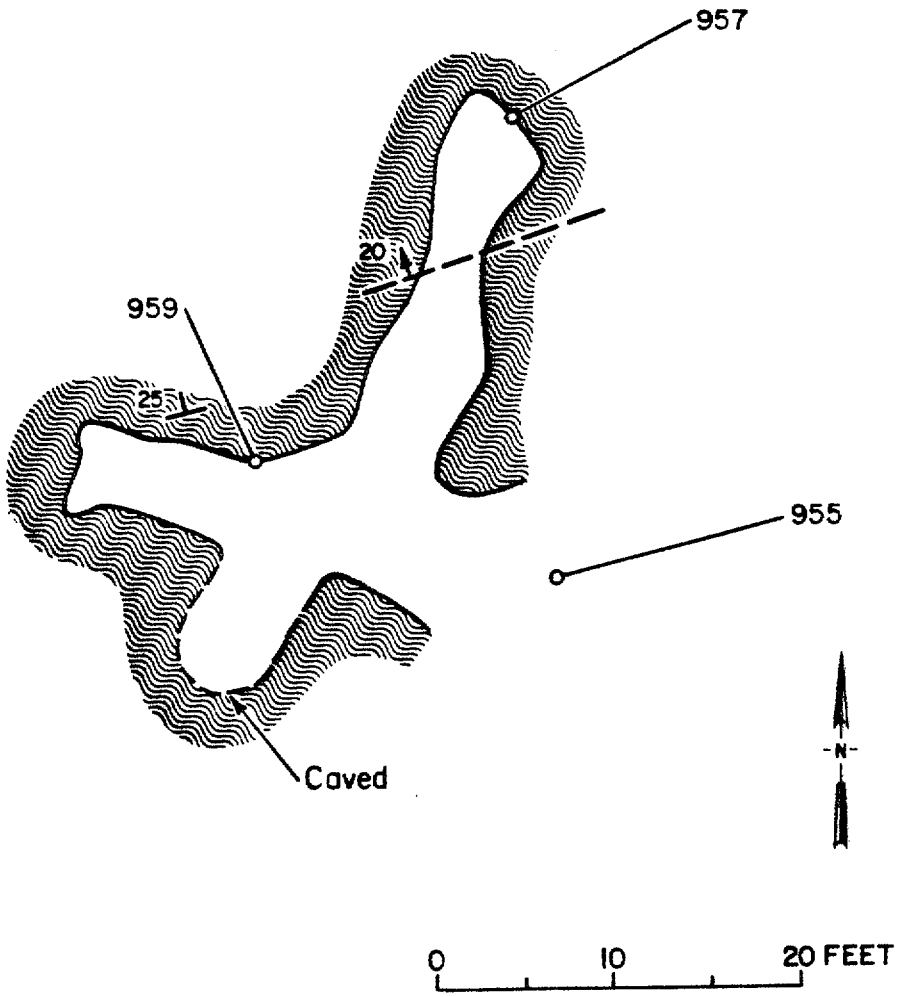


Figure 93.--Unnamed adit, north-center sec. 25, T. 14 N., R. 19 W.

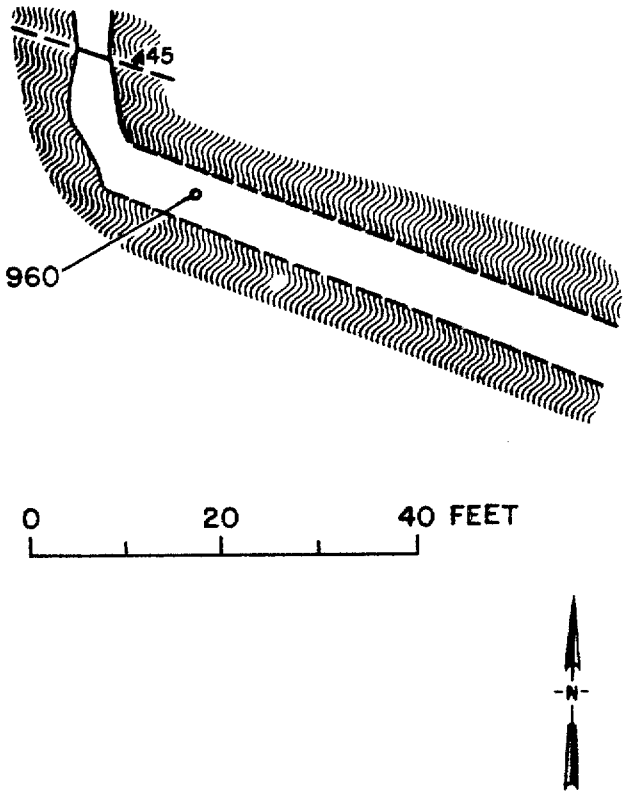


Figure 94.--Unnamed adit, north-center sec. 25, T. 14 N., R. 19 W.

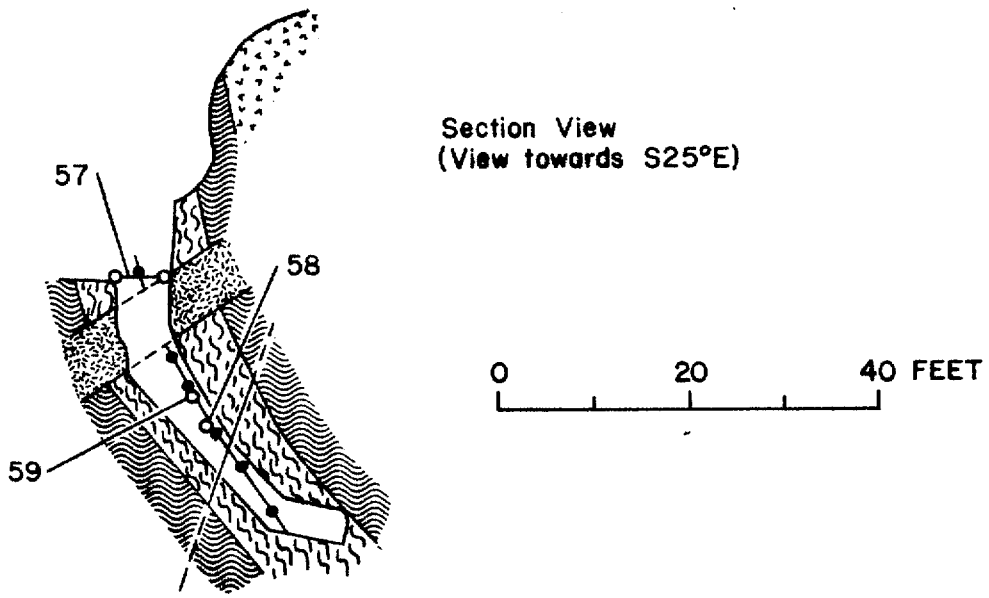


Figure 95.--Unnamed inclined shaft, west-center sec. 36, T. 15 N., R. 19 W.

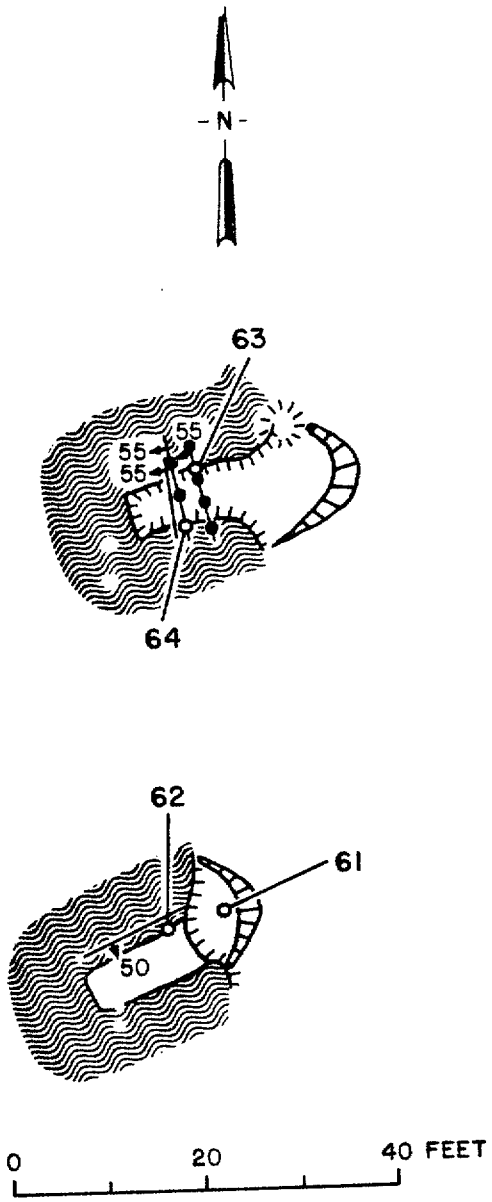


Figure 96.--Unnamed workings, west-center sec. 36, T. 15 N., R. 19 W.

SUMMARY

The Crossman Peak Wilderness Study Area contains 43 separate mineralized localities that have been described in this report. These locations range from patented lode mining claims with several thousand feet of workings to areas with numerous shallow pits and short adits. Table 1 is a summary of all the deposits investigated by the Bureau of Mines. Sixteen of these areas are known to have produced some ore, and several others probably produced some high-grade ore. The major mining activity occurred at the Dutch Flat group, the Sunrise, Scotts Well, and Pittsburg Mines.

Minerals in the Dutch Flat area occur as scheelite, chalcopyrite, pyrite, and sphalerite in northeast-trending quartz veins. Tungsten and gold were the primary commodities from the area; approximately 300 units of WO_3 and 400 oz of gold were produced from a 135-ft-deep shaft and at least 10 adits that range from 50 to 350 ft long (Dale, 1961).

Inferred resourced for the Dutch Flat group are 6,200 tons averaging 0.18 oz gold per ton, and 300 tons containing approximately 400 units of WO_3.

The Sunrise Mine produced gold from a 2-ft-wide quartz vein which trends N. 15-20° E. Galena, blackjack sphalerite, pyrite, and an unknown silver-bearing mineral also occur in the quartz vein. The amount of ore produced from the Sunrise Mine is not known. More than 2,000 ft of drift on three levels with extensive stoping between the levels and a winze of unknown depth indicate that at least several thousands of tons of ore were produced.

Additional resources remain at the main Sunrise Mine, but patent rights prevent their disclosure. Workings west of the mine, however, have inferred resources of 480 tons averaging 0.20 oz gold and 0.18 oz silver per ton.

The Scotts Well area is noted for both lode and placer gold deposits. Numerous adits have developed northeast- to northwest-trending quartz veins containing gold, silver, galena, and minor chalcopyrite and sphalerite. During the 1930's an 8.5 oz gold nugget was reported from a placer shaft (Don Barron, Yucca, Arizona, oral communication). One group of workings in the area has inferred resources of 770 tons averaging 0.19 oz gold and 0.62 oz silver per ton.

The Pittsburg Mine was originally discovered in 1933. During the period from 1933 to 1939, a shaft was sunk more than 200 ft with drifts cut at several levels. Workings at the Pittsburg Mine were cut on a northeast-trending fault zone and quartz vein containing silver, galena, sphalerite, barium, and gold. High-grade shipments from the Pittsburg Mine contained as much as 126 oz silver per ton, 6.5 oz gold per ton, and 2.0 percent lead (Arizona Department of Mineral Resources, file data). The mine has inferred resources of 8,000 tons averaging 0.06 oz gold and 3.1 oz silver per ton, 0.8 percent lead, and 0.6 percent zinc.

Eight other deposits within the study area have measurable resources (table 1). An aggregate of these individual deposits is 5,100 tons of inferred resources averaging 0.12 oz gold per ton. Four of the deposits have 1,900 tons of inferred resources averaging 0.75 oz silver per ton.

Tungsten occurs as scheelite in quartz vein at the Dutch Flat group in the central portion of the wilderness study area, and is associated with sericitic to argillic(?) alteration and locally disseminated sulfides. Minor tungsten values were also noted at the Sunrise and Pittsburg Mines, but for the most part tungsten is conspicuously absent throughout the rest of the study area.

Copper occurs as both chalcopyrite and as secondary hydrous copper carbonate staining. The distribution of chalcopyrite is essentially restricted to the Dutch Flat group, although minor chalcopyrite does occur at the Sunrise Mine and several other localities. Samples from the Dutch Flat area contained as much as 7.8 percent copper. Secondary malachite and azurite staining was observed at numerous locations throughout the study area, in quartz veins in propyliticly altered gneiss. Lead, zinc, and iron sulfides also occur in various amounts in these veins. The secondary staining is often spatially associated with Tertiary diorite and may indicate a remobilization of copper during Tertiary volcanism. For the most part copper is minor or absent along the flanks of the range.

Gold occurs in minor amounts throughout the wilderness study area, and is most highly concentrated at the Sunrise, Scotts Well, Dutch Flat, and Pittsburg Mines. One sample from the Dutch Flat group contained 8.82 oz gold per ton. The central area of gold concentration is at the Sunrise Mine where 101 of 164 samples contained from 0.005 to 2.182 oz gold per ton.

Individual high silver values occur throughout the study area, but by far the highest values and most numerous occurrences of silver were at the Pittsburg Mine. Silver values were found at several localities along the west and north flanks of the range, but were relatively low or absent in the eastern and southeastern portions of the range.

Lead values occur throughout the Crossman Peak Wilderness Study Area and are normally associated with silver values, suggesting that some of the silver is contained in the galena lattice. The highest concentrations of lead are at the Pittsburg, J & J, Arrastra Well, Scotts Well, Sunrise, and Little Maud. Except for the Little Maud Mine, lead is very low or absent at the rest of the mines in the Dutch Flat group.

Zinc occurs in blackjack sphalerite in fault zones and quartz veins throughout the study area, and is nearly always accompanied by gold, silver, and lead. The highest zinc values occur at the Pittsburg, Arrasta Well, Sunrise, and Little Maud Mines, with the most numerous occurrences associated with silver and lead at the Pittsburg Mine. Workings in the Dutch Flat group south and east of the Little Maud contain little or no zinc.

Minor amounts of molybdenum were detected in samples from the Wing and Scotts Well Mines, and visible wulfenite was observed at the Wing Mine (Richard Knox, U.S. Geological Survey, oral communication, 1981).

Barium concentrations are essentially limited to the Pittsburg Mine, where samples contained as much as 9 percent barium. Minor barium concentrations occurred around the periphery of the range and at the Sunrise Mine, but barium is conspiciously low or absent throughout the rest of the study area.

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Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
24-31	Buzzy Tail (Mohave Chief).	SE1/4 sec. 25, T. 15 N., R. 19 W.	Ag	Lode	P/A	Inclined shaft 75 ft deep; sulfide boxwork with minor silver in quartz vein emplaced along fault in gneiss.
32-51	Quail Placers	Sec. 29-32, T. 15 N., R. 18 W.	Au	Placer	M/A	Placer gold concentrated on caliche and bedrock surfaces.
53, 54	G.I.	NE1/4 sec. 31, T. 15 N., R. 18 W.	Au	Placer	P/A	Shaft 10 ft deep in alluvium; minor silver and barium concentrations, no anomalous gold in samples analyzed.
55, 56	Unnamed prospect.	SE1/4 sec. 29, T. 15 N., R. 18 W.	Ag, Cu, Pb	Lode and placer	P/A	Prospect pit in highly weathered gneiss; minor concentrations of silver, copper, and lead.
57-66	Unnamed prospects.	W1/2 sec. 36, T. 15 N., R. 19 W.	Au, Ag, Cu, Pb, Zn	Lode	P/I	Inclined shaft 35 ft deep, adit 10 ft long, open cut 10 ft long, and trench 30 ft long; locally moderate concentrations of gold and silver, and minor copper and lead.
67-70	Jet	SW1/4 sec. 31, T. 15 N., R. 18 W.	Ag, Cu	Lode and placer	P/A	Adit, 11 ft, and prospect pit; minor silver and moderate copper concentrations; abundant malachite and azurite staining.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
77-83	Crystal	NE1/4 sec. 1, T. 14 N., R. 19 W.	Au, Ag, Pb, Zn	Lode	P/A	Shaft, about 60 ft deep, and prospect pit; minor concentrations of gold, silver, lead and zinc in northeasterly trending quartz vein.
84-117	Arrastra Well	SW1/4 sec. 1, SE1/4 sec. 2, NE1/4 sec. 11, and NW1/4 sec. 12, T. 14 N., R. 19 W.	Au, Ag, Pb, Zn	Lode and placer	M/I, P/A	Inclined shafts 75 and 20 ft deep, adit, 75 ft long and numerous prospect pits; locally high concentrations of gold and minor concentrations of silver, lead, and zinc in quartz veins and faults; high concentrations of gold and silver in placer deposits. Inferred resources of approximately 350 tons averaging 0.21 oz gold per ton and 0.32 oz silver per ton.
118-133	Green Feather	NW1/4 sec. 11, T. 14 N., R. 19 W.	Ag, Cu, Pb	Lode	M/I, P/A	Adit, 150 ft long, shaft, 35 ft deep, and several prospect pits; locally high concentrations of gold with minor silver and lead in quartz veins. Inferred resources of approximately 210 tons averaging 0.05 oz gold per ton.
134-137	Unnamed prospects.	SW1/4 sec. 6, T. 14 N., R. 18 W.	Au, Ag	Lode	P/I	Adit, 25 ft long, and shaft, 15 ft deep; minor concentrations of silver and copper in small northwesterly trending faults.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
154-203	Wing	SE1/4 sec. 6, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, Zn, Mo	Lode and placer	M/I, P/A	Shaft, inaccessible, adits 55 and 75 ft long, and numerous prospect pits; irregular concentrations of gold, silver, copper, lead, zinc, and molybdenum associated with sulfides in northeasterly trending quartz veins.
204-213	Unnamed prospects.	NW1/4 sec. 17, T. 14 N., R. 19 W.	Au, Ag, Ba, Zn	Lode	P/I	Shaft, 12 ft deep with 30 ft drift, and several prospect pits; anomalous gold and silver concentrations disseminated in host rhyolite. Inferred resources of approximately 5,500 tons averaging 0.03 oz gold per ton and 0.19 oz silver per ton.
214, 215	Unnamed prospects.	SE1/4 sec. 17, T. 14 N., R. 19 W.	Au, Cu, Zn, Ba	Lode	P/I	Prospect pit cut in porphyritic andesite with calcite veins and anomalous silver and copper concentrations.
218-227	Unnamed prospects.	NW1/4 sec. 16, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, Zn	Lode	P/I	Adit, 35 ft long, and several prospect pits; anomalous concentrations of gold, silver, copper, lead and zinc in quartz vein along fault zone.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
230-258	J and J (Golden Gate).	SE1/4 sec. 16, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, Zn	Lode	M/I, P/A	Adit, 150 ft long with winze 130 ft deep, shaft approximately 50 ft deep, and several prospect pits; anomalous concentrations of gold, silver, copper, lead, and zinc in a fault zone.
261-271	Unnamed prospects.	NW1/4 sec. 14, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb	Lode	P/I	Adits, 110 and 90 ft long; locally high concentrations of gold, silver, copper, and lead in northwesterly trending quartz vein. Inferred resources of approximately 610 tons averaging 0.41 oz gold per ton and 1.3 oz silver per ton.
274-277, 282-293	Unnamed prospects.	SW1/4 sec. 12, NW1/4 sec. 13 and NE1/4 sec. 14, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, Zn	Lode	P/I	Adits, 45 and 30 ft long, and several prospect pits; anomalous concentrations of gold, silver, copper, lead, and zinc along fault and quartz vein. Inferred resources of approximately 120 tons averaging 0.24 oz gold per ton and 0.45 oz silver per ton.
294-366	Scotts Well (Moon Wash).	W1/2 sec. 7, T. 14 N., R. 18 W., and E1/2 sec. 12, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, Zn	Lode and placer	M/I, P/A	Thirteen adits, 10 to 130 ft long, numerous prospect pits, and inaccessible shaft; locally high concentrations of gold, silver, lead, and zinc in quartz veins and fault zones. Inferred resources of approximately 770 tons averaging 0.19 oz gold per ton and 0.62 oz silver per ton.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
367-407	Sunset (Lead Bullet).	W1/2 sec. 18, T. 14 N, R. 18 W., and E1/2 sec. 13, T. 14 N., R. 19 W.	Au, Ag, Pb, Zn, Ba	Lode	M/I, P/A	Five adits, 10 to 110 ft long and numerous prospect pits; locally high concentrations of gold, silver, and lead with minor copper and zinc in quartz veins.
408-585	Sunrise	SE1/4 sec. 13, T. 14 N., R. 19 W., and SW1/4, sec. 18, T. 14 N., R. 18 W.	Au, Ag, Pb, Zn, W, Ba	Lode	M/I, P/A	Eleven adits, 15 to 800 ft long, numerous prospect pits; locally high concentrations of gold, silver, and lead with minor copper and zinc in quartz veins. Inferred resources for workings just west of Sunrise property (samples 572-585), are approximately 480 tons averaging 0.20 oz gold per ton and 0.18 oz silver per ton.
586-604	Unnamed prospects.	SW1/4 sec. 18, T. 14 N., R. 18 W.	Au, Pb, Zn	Lode	P/I	Adits, 35, 45, and 110 ft long; concentrations of gold with minor lead and zinc in quartz vein along fault zone. Inferred resources of approximately 750 tons averaging 0.08 oz gold per ton.
605-611	Unnamed prospects.	SE1/4 sec. 17, T. 14 N., R. 18 W.	Cu	Lode	P/I	Shaft, 21 ft deep, and several prospect pits; anomalous copper concentration associated with diabase dike intruded along fault.
612-615	Unnamed prospect.	SW1/4 sec. 21, T. 14 N., R. 19 W.	Au	Placer	P/A	Adit, 25 ft long, driven on bedrock-alluvium contact in search of placer gold concentrations; trace of gold observed in one sample.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
618-633	Unnamed prospects.	Cent. sec. 23, T. 14 N., R. 19 W.	Au, Ag, Ba	Lode	P/I	Adits, 100 and 120 ft long; minor gold and silver concentrations along fault in Precambrian gneiss.
634-649	R and R	NW1/4 sec. 24, T. 14 N., R. 19 W.	Au, Ag, W	Lode	M/I, P/A	Shaft, 40 ft deep, and adit, 65 ft long; locally high concentrations of gold and silver with minor lead and zinc.
650-677	Unnamed prospects.	S1/2 sec. 24, T. 14 N., R. 19 W.	Au, Cu	Lode	P/A	Adits, 135, 125, and 70 ft long; and several prospect pits; anomalously high concentrations of gold, with minor copper in quartz veins and fault zones. Inferred resources of approximately 920 tons averaging 0.14 oz gold per ton.
680-690	Unnamed prospects.	NE1/4 sec. 24, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, W	Lode	P/A	Adit, 15 ft long, and several prospect pits containing anomalously high concentrations of gold and minor silver in quartz veins. Inferred resources of approximately 1,330 tons averaging 0.05 oz gold per ton.
691-725	Osiris & Ra (Schoolmarm).	SW1/4 sec. 19, T. 14 N. R. 18 W.	Au, Ag, Cu, Pb, Zn, W	Lode	M/I, P/A	Adits, 700 and 90 ft long, and a prospect pit; locally high concentrations of gold, silver, copper, lead, and zinc in quartz veins. Ra Mine contains approximately 490 tons of indicated resources and 330 tons of inferred resources averaging 0.01 oz gold per ton and 0.57 oz silver per ton.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
726-744	Unnamed prospects.	NW1/4 sec. 19, T. 14 N., R. 18 W.	Au, Ag, Cu, Pb, Zn, W	Lode	P/I	Several prospect pits containing anomalously high concentrations of gold, silver, copper, lead and zinc, with minor tungsten in quartz veins.
745-769	Little Maud[4]	NE1/4 sec. 19, T. 14 N., R. 18 W.	Au, Ag, Pb, Zn, W	Lode	M/I, P/A	Adits, 75, 125, and 220 ft long; concentrations of gold, silver, lead, zinc and tungsten in quartz veins in faults. Inferred resources of approximately 5,600 tons averaging 0.05 oz gold per ton and 100 tons containing 100-150 units of [2]WO_3.
770-775	Unnamed prospects.[4]	NW1/4 sec. 20, T. 14 N., R. 18 W.	Au, W, Zn	Lode	P/I	Prospect pits with locally anomalous values of gold, and zinc in quartz veins.
776-779	Green Water Spring.[4]	NW1/4 sec. 21, T. 14 N., R. 18 W.	Cu	Lode	P/I	Prospect pits with anomalous copper concentration in quartz vein in fault.
780-822	Jupiter East[4]	SW1/4 sec. 21, T. 14 N., R. 18 W.	Au, Cu, Pb	Lode	M/I, P/A	Shafts, 100+ and 120 ft deep, adits, 52, 120, and 165 ft, plus numerous prospect pits; abundant anomalous copper values with minor gold and lead associated with quartz veins in faults and fractures.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
823-840	Evelyn (Kampff)[4]	SW1/4 sec. 20, T. 14 N., R. 18 W.	Au, Ag, Pb, Zn, W, Ba	Lode and placer	M/I, P/A	Adits, 190 and 90 ft long, shaft, 90 ft deep, and numerous prospect pits; concentrations of gold, silver, lead, zinc, and tungsten with minor copper, and barium in quartz veins and faults. Inferred resources of approximately 200 tons containing 250-300 units of [2]WO_3.
841-848	Pioneer Shaft[4]	SW1/4 sec. 20, T. 14 N., R. 18 W.	Au, Ag, Pb, W, Zn.	Lode	M/I, P/A	Shaft, flooded at 90 ft, moderate concentrations of silver and gold, with minor lead, tungsten, and zinc values, from diabase-gneiss fault contact.
851-901	Lost Dutchman and Gold Band.[4]	SW1/4 sec. 20, T. 14 N., R. 18 W.	Au, Ag, Pb, W, Zn	Lode	M/I, P/A	Adits, 25, 45, 70+, and 370 ft long and numerous shafts, pits, and trenches; several high gold values, with moderate to low values of silver, lead, tungsten, and zinc from quartz veins and faults in gneiss. Lost Dutchman Mine inferred resources of approximately 610 tons averaging 1.35 oz gold per ton and 0.41 oz silver per ton.[3]
906, 907	Unnamed prospect.[4]	NE1/4 sec. 29, T. 14 N., R. 18 W.	Au, Cu	Lode	P/A	Shaft, inaccessible with minor gold and copper concentrations in quartz vein.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
911-946	Jupiter[4]	NE1/4 sec. 30, T. 14 N., R. 18 W.	Au, Ag, Pb, Zn, Ba	Lode and placer	M/I, P/A	Five shafts, and adits, 390 and 100+ ft long; anomalously high concentrations of gold, silver, copper, lead, and zinc in quartz veins and fault zones.
947-952	Unnamed prospects.	NW1/4 sec. 30, T. 14 N., R. 18 W.	Au, Cu, Pb	Lode	P/A	Shaft, flooded, adit, 40 ft long, and trench 15 ft long; minor concentrations of silver and lead in quartz veins.
953-969	Unnamed prospects.	N1/2 sec. 25, T. 14 N., R. 19 W.	Au	Lode	P/I	Five adits 15 to 55 ft long, one shaft and numerous prospect pits; minor concentrations of gold in quartz veins.
972-1071	Pittsburg (Hot Spot).	S1/2 sec. 27, and N1/2, sec. 34, T. 14 N., R. 19 W.	Au, Ag, Cu, Pb, Zn, W, Ba	Lode	M/I, P/A	Adit 50 ft long, five shafts 20 to about 210 ft deep, and numerous prospect pits; locally very high concentrations of silver, lead, and gold with barium, copper, and zinc in quartz vein. Inferred resources for the main workings are approximately 8,000 tons averaging 0.06 oz gold per ton, 3.1 oz silver per ton, 0.8 percent lead, and 0.6 percent zinc. An additional inferred resource of about 1,120 tons averaging 0.64 oz silver per ton was calculated for prospects southwest of the main workings.

Table 1.--Mineral deposits and occurrences in and near the Crossman Peak Wilderness Study Area--Continued

Sample nos.	Name	Location	Commodi-tie(s)	Deposit type	Development category[1]	Brief description
1098-1105	El Campo	SE1/4 sec. 8, T. 13 N., R. 18 W.	Au, Ag	Placer	P/I	Tunnel, 85 ft long, driven on bedrock-alluvium contact in search of placer gold; anomalous gold observed in one sample.
1106-1121	Manitowoc	SW1/4 sec. 16, and E1/2 sec. 17, T. 13 N. R. 18 W.	Au, Ag, Pb, Zn, Ba	Lode	M/I, P/A	Shafts, 26, 51, and 150 ft deep and several caved shafts, adit 40 ft long, and several prospect pits; concentrations of gold in minor silver, lead, zinc, and barium in quartz veins and fault zones.

[1]Symbols used: P--Prospect
A--Active prospect, exploration or development work since 1978.
I--Inactive prospect, no known exploration or development work since 1978.
M--Mine
A--Active mine, production since 1978.
I--Inactive mine, no production since 1978.

[2]WO_3 resource figures are from: Farnham, L.L., 1951, Shelton Health's Evelyn, Little Maud, and Pioneer tungsten claims, Dutch Flat area, Mohave County, Arizona: U.S. Bureau of Mines DMA Docket 62X, 11 p.

[3]High gold average is due to one sample assaying 8.82 oz gold per ton.

[4]Included in the Dutch Flat Group (sample nos. 745-946)

TABLES 2-5

CROSSMAN PEAK WSA, AZ

ANALYTICAL DATA

SYMBOLS

<	Less than
>	Greater than
NA	Not analyzed
-	Not detected

ABBREVIATIONS

ABD - Abundant
ABV - Above
AD - Adit
ADJ - Adjacent
AFT - After
ALT - Altered, Alteration
AMPHIB - Amphibolite
ANDES - Andesite
BEDRX - Bedrock(s)
BEN - Bench
BK - Back
BLKSM CAN - Blacksmith Canyon
BLW - Below
BOT - Bottom
BRECC - Breccia, Brecciated
BTWN - Between
CALC - Calcite
CARB - Carbonate
CGL - Conglomerate
CHALCO - Chalcocite
CONC - Concentrate
CONT - Contact
CPY - Chalcopyrite
CU FT - Cubic Foot (Feet)
DAC - Dacite
DGHL - Doghole
DIAB - Diabase
DIOR - Diorite
DISS - Disseminated
DK - Dike
DNSTR - Downstream
DP - Dump
DR - Drift
DRWSH - Drywash, (ed, er)
E - East
ER - East Rib (Side)
FC - Face
FE - Iron
FELD - Feldspar
FLT - Fault
FR - From
FRAC - Fracture(d)
FTHR - Feather
GAL - Galena
GN - Gneiss
GP - Group
GR - Granite
GRD - Grade
GRDIOR - Granodiorite
GRGN - Granitic Gneiss
GVL - Gravel
HEM - Hematite
HI - High
IG - Igneous
IN. - Inch
INSH - Inclined Shaft
INTR - Intrusive
IRREG - Irregular
JCT - Junction
LIM - Limonite
LR - Left Rib (Side)
MALA - Malachite
MASS - Massive
METAIG - Metaigneous
MINL - Mineralized, Mineralization
MINR - Minor
N - North
NR - North Rib (Side)
OC - Outcrop
ODIAB - Ophitic Diabase
OP - Opencut
PDS - Pods
PEG - Pegmatite
PITTS - Pittsburg
PLAS - Plastic
PN-CN - Pan-concentrate
PNGS- Pannings
PORPH - Porphyry
PORT - Portal
POSS - Possible
PT - Pit
PWR - Power
PYR - Pyrite
QAL - Quaternary Alluvium
QV - Quartz vein
QZ - Quartz
QZT - Quartzite
RAND - Random
RD - Road
REJ - Reject
RMV - Remove(d)
RR - Right Rib (Side)
RX - Rock(s)
S - South
(SA 240) - Same as sample 240
SED - Sediment
SEL - Select
SH - Shaft
SHR - Shear(ed)
SHTOS - Schistose
SILIC - Siliceous
SML - Small
SP - Stockpile
SPAR - Sparse
SPECI - Specimen sample
SPHAL - Sphalerite
SPRG - Spring
SR - South Rib (Side)
STD - Standard
STN - Stain(ed, ing)
STRING - Stringers
STSED - Stream Sediment
THK - Thick
THN - Thin
TR - Trench
UPSTRM - Upstream
UV FLUOR - Ultra Violet Fluorscence
V - Very
VERT - Vertical
VIS - Visible
VLETS - Veinlets
VN - Vein
VOLC - Volcanic
W - West
W/ - With
WR - West Rib (Side)
WSH - Wash
WZ - Winze
XC - Crosscut
ZNE - Zone

SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSIS LOWER DETECTION LIMITS (%)

Ag - 0.001	Cr - 0.001	Na - 0.4	Sn - 0.002
Al - 0.001	Cu - 0.001	Nb - 0.007	Sr - 0.06
As - 0.1	Fe - 0.002	Ni - 0.002	Ta - 0.008
Au - 0.002	Ga - 0.002	P - 0.2	Te - 0.8
B - 0.002	Hf - 0.008	Pb - 0.01	Ti - 0.001
Ba - 0.07	In - 0.1	Pt - 0.005	Tl - 0.2
Be - 0.001	La - 0.01	Re - 0.005	V - 0.003
Bi - 0.004	Li - 0.1	Sb - 0.04	Y - 0.001
Ca - 0.02	Mg - 0.0004	Sc - 0.005	Zn - 0.1
Cd - 0.04	Mn - 0.001	Si - 0.0003	Zr - 0.004
Co - 0.002	Mo - 0.001		

Samples analyzed by semiquantitative spectrographic analysis were also examined for the following: Be, Bi, Cd, Co, Hf, In, La, Li, Nb, P, Pt, Re, Sb, Sc, Sn, Ta, Te, and Tl. All results were either at, or below detection limits, with the following exceptions:

Sample no.	Element	Value (%)
740	Bi	0.01
846	Co	0.005
346	Co	0.005
52	Nb	0.01
37	Nb	0.01
1115	Nb	0.01
1115	La	0.1

REPORT DATE 01/12/83

CROSSMAN PEAK WSA, MOHAVE COUNTY, ARIZONA
ANALYTICAL RESULTS
TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
1	015N/019W/17	SE	STSED	PN-CN, RESAMPLE OF SAMPLE 3 LOCATION, (XPK-002725)
2	015N/019W/17	SE	STSED	GRAB/BULK,RESAMPLE OF SAMP 4 LOCATION,(XPK-002727)
3	015N/019W/17	SE	STSED	12IN.PN-CN, 1FT DEEP, (SA 4)
4	015N/019W/17	SE	STSED	GRAB/BULK, (SA 3)
5	015N/019W/17	SE	STSED	12IN.PN-CN, 1FT DEEP
6	015N/019W/20	NW	STSED	PN-CN, RESAMPLE OF SAMPLE 8 LOCATION, (XPK-002721)
7	015N/019W/20	NW	STSED	GRAB/BULK,RESAMPLE OF SAMP 9 LOCATION,(XPK-002722)
8	015N/019W/20	NW	STSED	12IN.PN-CN, 1FT DEEP, (SA 9)
9	015N/019W/20	NW	STSED	GRAB/BULK, 1FT DEEP, (SA 8)
9R			STSED	TSL REANALYSIS OF 9, (XPK-002722)
10	015N/019W/20	NW	STSED	PN-CN, RESAMPLE OF SAMPLE 12 LOCATION,(XPK-002723)
11	015N/019W/20	NW	STSED	GRAB/BULK,RESAMPLE OF SAMP 13 LOCATION(XPK-002724)
12	015N/019W/20	NW	STSED	12IN.PN-CN, 1FT DEEP, (SA 13)
13	015N/019W/20	NW	STSED	GRAB/BULK, (SA 12)
13R			STSED	TSL REANALYSIS OF 13, (XPK-002724)
14	015N/019W/21	N CTR	STSED	PN-CN, RESAMPLE OF SAMPLE 16 LOCATION,(XPK-002729)
15	015N/019W/21	N CTR	STSED	GRAB/BULK,RESAMPLE OF SAMP 17 LOCATION(XPK-002730)
16	015N/019W/21	N CTR	STSED	12IN.PN-CN, 1FT DEEP, (SA 17)
17	015N/019W/21	N CTR	STSED	GRAB/BULK, 1FT DEEP, (SA 16)
18	015N/019W/14	NW	STSED	14.5IN.PN-CN, (SA 19)
19	015N/019W/14	NW	STSED	GRAB/BULK, (SA 18)
20	015N/019W/23	NW	STSED	14.5IN.PN-CN, TO 61N. DEEP, (SA 21)
21	015N/019W/23	NW	STSED	GRAB/BULK, TO 6IN. DEEP, (SA 20)
22	015N/019W/14	SE	STSED	14.5IN.PN-CN, 4-8IN.DEEP, (SA 23)
23	015N/019W/14	SE	STSED	GRAB/ BULK, 4-8IN. DEEP, (SA 22)
24	015N/019W/25	SE	CHIP	33IN.PORT/INSH,QV S65E 74S W/ABD FE STN,BUZZY TAIL
25	015N/019W/25	SE	GRAB	INSH/DP 6FT GRID, QV W/ABD FE STN, BUZZY TAIL
26	015N/019W/25	SE	GRAB	SH DP SEL, VUGGY QV W/LIM/HEM, BUZZY TAIL
27	015N/019W/25	SE	CHIP	2FT OC AT EDGE OF SH, QV IN GN, BUZZY TAIL
28	015N/019W/25	SE	CHIP	36IN.INSH, 27IN.QV IN GN, LIM/HEM STN, BUZZY TAIL
29	015N/019W/25	SE	CHIP	15IN.INSH, QV IN SHTOS ZNE IN GN, BUZZY TAIL
30	015N/019W/25	SE	CHIP	8IN.INSH, QV IN SHTOS ZNE, LIM/HEM, BUZZY TAIL
31	015N/019W/25	SE	CHIP	18IN.INSH, 8IN.QV IN GN, BUZZY TAIL
32	015N/018W/30	NW	STSED	PWR+HAND DRWSH REJ/PN-CN, PASAK CLAIMS
33	015N/018W/30	NW	STSED	HAND+PWR DRWSH, REJ OFF TOP OF PWR CONC, PASAK
34	015N/018W/30	NW	STSED	GRAB/BULK, DRWSH REJ OVER RIFFLES, PASAK CLAIMS
35	015N/018W/30	NW	STSED	METAL PN-CN, HAND DRWSH CONC, RMV 1-1/8 GRAINS AU
35A	015N/018W/30	NW	STSED	PLASTIC PN-CN OF METAL PN-CN REJ (SA 35), PASAK
35B	015N/018W/30	NW	STSED	REJ OF BOTH METAL/PLASTIC PN-CN (SA 35)
36	015N/018W/30	NW	STSED	PN-CN OF PWR DRWSH CONC AFT HAND DRWSH,PASAK CLAIM
37	015N/018W/30	NW	STSED	PLAS PN-CN OF PWR DRWSH CONC, RMV 11/16 GRAIN AU
37A	015N/018W/30	NW	STSED	REJ OF PN-CN OF SAMP 37, PASAK CLAIMS
38	015N/018W/30	NW	STSED	PWR DRWSH/SHAKE-OFF ADV RIFFLES, RMV 1/30 GRAIN AU
39	015N/018W/30	NW	STSED	PN-CN OF PWR DRWSH CONC, RMV 3/4 GRAIN AU, PASAK
39A	015N/018W/30	NW	STSED	REJ OF PN-CN OF SAMP 39, PASAK CLAIMS
40	015N/018W/30	NW	STSED	PN-CN OF PWR DRWSH SHAKE OFF(CONC=39)PASAK CLAIM
40A	015N/018W/30	NW	STSED	REJ OF PN-CN OF SAMP 40, PASAK CLAIMS
41	015N/018W/30	NW	STSED	PN-CN OF PWR DRWSH CONC, RMV 1-5/16 GRAINS AU

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
41A	015N/018W/30	NW	STSED	REJ OF PN-CN OF SAMP 41, PASAK CLAIMS
42	015N/018W/30	NW	STSED	PN-CN OF PWR DRWSH SHAKE OFF(CONC=41), PASAK
42A	015N/018W/30	NW	STSED	REJ OF PN-CN OF SAMP 42, PASAK CLAIMS
43	015N/018W/30	NW	STSED	PASAK DRWSH REJ/AFT 2 PNGS, VIS AU RMV(SA 44,45)
44	015N/018W/30	NW	STSED	PASAK DRWSH REJ/AFT 2 PNGS, VIS AU RMV(SA 43,45)
45	015N/018W/30	NW	STSED	PASAK DRWSH REJ/AFT 2 PNGS, VIS AU RMV(SA 43,44)
46	015N/018W/30	SW	STSED	PN-CN/PWR DRWSH, 0-2FT DEEP, PASAK CLAIM
47	015N/018W/30	SW	STSED	PN-CN/PWR DRWSH, 0-2FT DEEP, VIS AU FLOUR, PASAK
48	015N/018W/30	SW	STSED	PN-CN/PWR DRWSH, TO 1.5FT DEEP, PASAK CLAIM
49	015N/018W/30	SW	STSED	PN-CN/PWR DRWSH, TO 2FT DEEP, PASAK CLAIM
50	015N/018W/30	SW	STSED	PN-CN/PWR DRWSH, 1.5-3FT DEEP, PASAK CLAIM
51	015N/018W/30	SW	STSED	PN-CN/PWR DRWSH, 0-1FT DEEP TO BEDRX, PASAK CLAIM
52	015N/018W/30	SE	STSED	GRAB/BULK, GVL BANK OF WASH TO SCOTTS WELL AREA
53	015N/018W/31	NE	CHIP	3FT SH (SA 54), ALLUVIUM AT BEDRX, PLACER
54	015N/018W/31	NE	CHIP	3FT SH (SA 53), ALLUVIUM AT BEDRX, PLACER
55	015N/018W/29	SE	CHIP	24IN.PT, ALT FLT ZNE IN ALLUVIUM, LIM STN
56	015N/018W/29	SE	GRAB	PT DP SEL, FLT/ALT ALLUVIUM, HEM/LIM
57	015N/019W/36	NW	CHIP	42IN.OP ABV INSH, QV IN SHR IN GN, NO VIS MINL
58	015N/019W/36	NW	CHIP	18IN.INSH, QV IN GN, VIS MINL
59	015N/019W/36	NW	CHIP	12IN.INSH, 8IN.QV IN GN, NO VIS MINL
60	015N/019W/36	NW	GRAB	SH DP SEL, QV/GN, MINR CU STN, LIM
61	015N/019W/36	SW	GRAB	AD DP SEL, PEGMATITE ON DUMP
62	015N/019W/36	SW	CHIP	3FT RR/AD, FLT ? IN GN
63	015N/019W/36	SW	CHIP	10IN.TR, QZ-RICH ZNE IN V SHTOSE ZNE
64	015N/019W/36	SW	CHIP	14IN.TR, QZ-RICH ZNE IN V SHTOSE ZNE
65	015N/019W/36	SW	CHIP	14IN.TR (SA 66), QV IN GN
66	015N/019W/36	SW	CHIP	22IN.TR (SA 65), QZ IN GN
67	015N/018W/31	SW	GRAB	PT SEL, ABD SULF, QZ/CALC/CPY/PYR/LIM STN
68	015N/018W/31	SW	GRAB	PT SEL, QZ VLETS W/CU STN, CPY/PYR/CALC/LIM/HEM
69	015N/018W/31	SW	CHIP	10IN.OC, CALICHE IN DIORITE
70	015N/018W/31	SW	CHIP	1 IN.OC, QZ/EPIDOTE VLET IN DIORITE
71	015N/018W/32	SE	STSED	12IN.PN-CN,6-12IN. DEEP,(SA 72),BLKSM CANYON WELL
72	015N/018W/32	SE	STSED	GRAB/BULK,6-12IN. DEEP,(SA 71),BLKSM CANYON WELL
72R			STSED	TSL REANALYSIS OF 72, (XPK-002737)
73	015N/018W/32	SE	STSED	12IN.PN-CN,1FT DEEP,(SA 74),BLACKSMITH CANYON WELL
74	015N/018W/32	SE	STSED	GRAB/BULK,1FT DEEP,(SA 73) BLACKSMITH CANYON WELL
75	015N/018W/32	SE	STSED	12IN.PN-CN, 6-12IN. DEEP, NEAR WATER TANK (SA 76)
76	015N/018W/32	SE	STSED	GRAB/BULK, 6-12IN. DEEP, (SA 75) NEAR WATER TANK
77	014N/019W/01	NE	CHIP	8IN.PT, QV IN GN, PYR/GAL/CPY/HEM/LIM
78	014N/019W/01	NE	GRAB	PT SP SEL, QV IN GN, PYR/GAL/CPY/HEM/LIM
79	014N/019W/01	NE	CHIP	32IN.PT, QV IN GN, MINR CU STN, HEM, CRYSTAL #6
80	014N/019W/01	NE	GRAB	PT SP SEL, QV IN GN, PYR/GAL/CPY, CRYSTAL #6
81	014N/019W/01	NE	GRAB	SH SP SEL, QV, PYR/HEM/LIM, CRYSTAL #5
82	014N/019W/01	NE	GRAB	SH DP 6FT GRID, (SA 83), ARRASTRA WELL AREA
83	014N/019W/01	NE	GRAB	SH DP RAND, MASS QZ W/HEM/SULF? STN, ARRASTRA AREA
84	014N/019W/01	SW	CHIP	28IN.TR, QZ/FELD POD, ARRASTRA WELL AREA
85	014N/019W/01	SW	CHIP	36IN.PT, SHR ZNE
86	014N/019W/01	SW	CHIP	44IN.PT, MASS FRAC QZ
87	014N/019W/11	SW	CHIP	6IN.PT, QV IN FRAC GN
88	014N/019W/02	SE	CHIP	5IN.PT, MASS QZ W/SOME FE STN
89	014N/019W/02	SE	CHIP	7IN.TR/OC, MASS QV N47W 25W, SOME FE STN

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
90	014N/019W/02	SE	CHIP	6IN.SR/XC/SH, FLT N54W 70N
91	014N/019W/02	SE	CHIP	14IN.NR/DR/SH, FLT W/QV, LIM STN
92	014N/019W/02	SE	CHIP	11IN.NR/INSH, SHR ZNE W/QZ, ABD FE STN
93	014N/019W/02	SE	CHIP	6IN.NR/INSH, V FRAC QZ W/ABD FE STN
94	014N/019W/02	SE	CHIP	10IN.ER/INSH, QZ PODS IN GN, ABD FE STN
95	014N/019W/02	SE	CHIP	9IN.INSH, SHR ZNE W/QZ, ABD FE STN
96	014N/019W/02	SE	GRAB	DP 6FT GRID, GN/DIAB, MINR QZ/FE STN
97	014N/019W/02	SE	CHIP	10IN.RR/AD, MASS QV IN GN, FE STN IN FRAC
98	014N/019W/02	SE	CHIP	9IN.RR/AD, MASS QV IN GN, FE STN IN FRAC
99	014N/019W/02	SE	CHIP	6IN.RR/AD, MASS QV IN GN, FE STN IN FRAC
100	014N/019W/02	SE	CHIP	17IN.PT, V FRAC QV W/FE STN
101	014N/019W/02	SE	CHIP	7IN.PT, MASS QV
102	014N/019W/01	SW	CHIP	36IN.FC/TR, SHR/DIKE, ARRASTRA WELL
103	014N/019W/01	SW	CHIP	28IN.TR, SHR ZNE W/QZ, ARRASTRA WELL
104	014N/019W/01	SW	CHIP	20IN.FC/AD, FLT IN GN W/QV, N OF ARRASTRA WELL
105	014N/019W/01	SW	STSED	12IN.PN-CN, BELOW ARRASTRA WELL, (SA 106)
106	014N/019W/01	SW	STSED	GRAB/BULK, BELOW ARRASTRA WELL, (SA 105)
107	014N/019W/01	SW	STSED	PN-CN/DRWSH, BELOW DUMP AT ARRASTRA WELL (SA 108)
108	014N/019W/01	SW	STSED	PN-CN/DRWSH, BELOW DUMP AT ARRASTRA WELL (SA 107)
109	014N/019W/01	SW	GRAB	DP RAND, DIKE RX, ABD QZ, ARRASTRA WELL
110	014N/019W/01	SW	CHIP	18IN.PT, WEATHERED/FRAC MATERIAL, ARRASTRA WELL
111	014N/019W/01	SW	CHIP	26IN. PT, FLT GOUGE ZNE, ARRASTRA WELL
112	014N/019W/01	SW	CHIP	42IN.PT, SHR ZNE W/QZ/GN, N. OF ARRASTRA WELL AREA
113	014N/019W/12	NW	CHIP	5IN.PT, QZ IN GN/DIAB, W/SOME FE STN
114	014N/019W/11	NE	CHIP	3.5IN.RR/SH, QV W/LIM STN
115	014N/019W/11	NE	CHIP	8IN.LR/AD, QV IN GN, ABD FE STN
116	014N/019W/11	NE	CHIP	9IN.PT, FRAC DIAB IN GN, SOME FE STN, GREEN FEATHR
117	014N/019W/11	NE	CHIP	30IN.PT, QZ W/LIM STN
118	014N/019W/11	NW	CHIP	5.5IN.PT, MASS QV IN GN, GREEN FEATHER
119	014N/019W/11	NW	CHIP	5IN.PT, MASS QV W/SOME FE STN, GREEN FEATHER
120	014N/019W/11	NW	CHIP	10IN.PT, MASS QV W/ABD FE STN, FRAC, GREEN FEATHER
121	014N/019W/11	NW	CHIP	6IN.AD, MASS QV W/ABD FE STN, FRAC, GREEN FEATHER
122	014N/019W/11	NW	CHIP	4IN.NR/AD, GN/SCHIST ADJ QV, UV FLUOR, GREEN FTHR
123	014N/019W/11	NW	CHIP	4.5IN.NR/AD, QV W/ABD FE STN IN GN, GREEN FEATHER
124	014N/019W/11	NW	CHIP	5IN.LR/DR/AD, QV IN SCHIST, ABD FE STN, GREEN FTHR
125	014N/019W/11	NW	CHIP	16IN.BK/AD, MASS QV W/GAL, GREEN FEATHER
126	014N/019W/11	NW	CHIP	6IN.LR/DR/AD, MASS QV W/FE STN, GREEN FEATHER
127	014N/019W/11	NW	CHIP	11IN.WR/INSH, V FRAC QV W/FE STN, GREEN FEATHER
128	014N/019W/11	NW	CHIP	5IN.NR/XC/AD, MASS QV W/ABD FE STN, GREEN FEATHER
129	014N/019W/11	NW	GRAB	DP 6FT GRID, SCHIST W/SOME QZ/FE STN, GREEN FEATHR
130	014N/019W/11	NW	CHIP	11IN.PT, FLT GOUGE W/ABD LIM, GREEN FEATHER
131	014N/019W/11	NW	CHIP	30IN.PT, ALT QV, ABD FE STN, GREEN FEATHER
132	014N/019W/11	NW	CHIP	7IN.PT, V FRAC GN W/QZ/MINR FE STN, GREEN FEATHER
133	014N/019W/11	NW	CHIP	11IN.PT, FLT GOUGE W/LIM STN, GREEN FEATHER
134	014N/018W/06	SW	CHIP	20IN.SWR/AD, FLT GOUGE, LIM STN, SCOTTS WELL AREA
135	014N/018W/06	SW	GRAB	DP, 15FT SHAFT, SHR ZNE, CALC & QZ VLETS
136	014N/018W/06	SE	CHIP	18IN.OC/SH, SHR IN GN, QZ/CALC/LIM/HEM/MALA
137	014N/018W/06	SE	CHIP	5IN.PT, CALC/QZ VLETS, MALA/HEM/LIM
138	014N/018W/02	NW	STSED	14.5IN.PN-CN, TO 6IN. DEEP, (SA 139)
139	014N/018W/02	NW	STSED	GRAB/BULK, TO 6IN. DEEP, (SA 138)
140	014N/018W/02	NW	STSED	14.5IN.PN-CN, TO 4IN. DEEP, (SA 141)

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
141	014N/018W/02	NW	STSED	GRAB/BULK, TO 4IN. DEEP, (SA 140)
142	014N/018W/02	SW	STSED	14.5IN.PN-CN, TO 6IN. DEEP, (SA 143)
143	014N/018W/02	SW	STSED	GRAB/BULK, TO 6IN. DEEP, (SA 142)
144	014N/018W/11	NW	STSED	14.5IN.PN-CN, TO 6IN.DEEP, (SA 145)
145	014N/018W/11	NW	STSED	GRAB/BULK, TO 6IN. DEEP, (SA 144)
146	014N/018W/11	NW	STSED	14.5IN. PN-CN, TO 6IN. DEEP, (SA 147)
147	014N/018W/11	NW	STSED	GRAB/BULK, TO 6IN. DEEP, (SA 146)
148	014N/018W/09	NE	STSED	12IN.PN-CN, 1FT DEEP, (SA 149), BELOW BURRO WELL
149	014N/018W/09	NE	STSED	GRAB/BULK, 1FT DEEP, (SA 148), BELOW BURRO WELL
150	014N/018W/09	NE	STSED	12IN.PN-CN, 1FT DEEP, (SA 151), BELOW BURRO WELL
151	014N/018W/09	NE	STSED	GRAB/BULK, 1FT DEEP, (SA 150), BELOW BURRO WELL
152	014N/018W/09	SW	STSED	12IN.PN-CN, 1FT DEEP, (SA 153), ABOVE BURRO WELL
153	014N/018W/09	SW	STSED	GRAB/BULK, 1FT DEEP, (SA 152), ABOVE BURRO WELL
154	014N/019W/06	SE	CHIP	28IN.OP, 2IN.QV IN AMPHIBOLITE IN GN, WING AREA
155	014N/019W/06	SE	CHIP	12IN.PT, QZ W/HEM, WING MINE AREA
156	014N/019W/06	SE	CHIP	20IN.PT, DIORITE, NO VIS MINL, WING MINE AREA
157	014N/019W/06	SE	CHIP	24IN.PT, PEGMETITIC(?) QV IN GN, WING MINE AREA
158	014N/019W/06	SE	GRAB	PT DP SEL, QV IN GN, WING MINE AREA
159	014N/019W/06	SE	GRAB	PT DP, QV W/HEM/LIM STN, WING MINE AREA
160	014N/019W/06	SE	GRAB	DP, PLACER, QV W/LIM/HEM, WING MINE AREA
161	014N/019W/06	SE	CHIP	42IN.PT, GN, PYR/HEM/LIM, WING MINE
162	014N/019W/06	SE	CHIP	16IN.PT, GN, PYR/HEM/LIM, WING MINE
163	014N/019W/06	SE	CHIP	28IN.OP, V FRAC GN, ABD QZ/HEM STN, WING MINE
164	014N/019W/06	SE	CHIP	20IN.OP,QZ-RICH ZNE IN GN,NO VIS MINL, WING MINE
165	014N/019W/06	SE	CHIP	8IN.PT, QZ/HEM ZNE IN GN, WING MINE
166	014N/019W/06	SE	GRAB	PT SP SEL, QZ/HEM, NO VIS MINL, WING MINE
167	014N/019W/06	SE	CHIP	6FT OC, PEGMETITE POD (ALSO CP-41), WING MINE
168	014N/019W/06	SE	CHIP	24IN.PT, GN, NO VIS MINL, WING MINE
169	014N/019W/06	SE	GRAB	PT SP SEL, QZ/HEM/CALC, WING MINE
170	014N/019W/06	SE	CHIP	10IN.PT, QZ POD IN GN(?), HEM STN, WING MINE
171	014N/019W/06	SE	CHIP	29IN.PT, FRAC GN, MINR HEM STN, WING MINE AREA
172	014N/019W/06	SE	GRAB	AD DP SEL, QV W/ABD CU STN, WING MINE
173	014N/019W/06	SE	CHIP	16IN.RR/AD, QZ POD/GN W/CU/HEM STN, WING MINE
174	014N/019W/06	SE	CHIP	34IN.BK/AD, 16IN.QV IN GN, ABD HEM STN, WING MINE
175	014N/019W/06	SE	CHIP	3FT BK/AD, 28IN.QV IN GN, WING MINE
176	014N/019W/06	SE	CHIP	38IN.BK/AD, 31IN.QV IN GN, HEM STN, WING MINE
177	014N/019W/06	SE	CHIP	30IN.BK/AD, 26IN.QV IN GN, HEM STN, WING MINE
178	014N/019W/06	SE	CHIP	20IN.BK/AD,QZ STRING IN GN,MINR SHR,HEM,WING MINE
179	014N/019W/06	SE	CHIP	18IN.BK/AD, QV IN GN, NO VIS MINL, WING MINE
180	014N/019W/06	SE	CHIP	30IN.LR/AD, FLT ZNE IN GN, NO VIS MINL, WING MINE
181	014N/019W/06	SE	CHIP	29IN.BK/AD, RHYO/GN FLT CONT W/QZ, WING MINE
182	014N/019W/06	SE	CHIP	36IN.BK/AD, FLT ZNE IN GN W/QZ, HEM/LIM, WING MINE
183	014N/019W/06	SE	CHIP	30IN.BK/AD,GN W/MINR QZ STRING, HEM/LIM, WING MINE
184	014N/019W/06	SE	CHIP	3FT.LR/AD,RAND QZ PODS IN GN,NO VIS MINL,WING MINE
185	014N/019W/06	SE	CHIP	24IN.PT, V FRAC QV W/MN/HEM STN IN GN, WING MINE
186	014N/019W/06	SE	CHIP	16IN.PT, V FRAC QV W/MN/HEM STN IN GN, WING MINE
187	014N/019W/06	SE	CHIP	18IN.PT, QV IN GN, WING MINE
188	014N/019W/06	SE	CHIP	3FT OC, V FRAC QV W/MN ON FRAC IN GN, WING MINE
189	014N/019W/06	SE	CHIP	18IN.TR ABV SH, 15IN.QV IN GN, MINR HEM, WING MINE
190	014N/019W/06	SE	CHIP	3FT SH, V FRAC QV IN GN, ABD MN/HEM STN, WING MINE
191	014N/019W/06	SE	CHIP	14IN.PT, IRREG QV IN GN, MINR HEM, WING MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
192	014N/019W/06	SE	CHIP	26IN.PT, 15IN.QV IN GN, HEM STN, WING MINE
193	014N/019W/06	SE	CHIP	12IN.PT, IRREG QZ STRING IN GN, ABD HEM, WING MINE
194	014N/019W/06	SE	CHIP	14IN.PT, ABD QZ VLETS IN GN, HEM STN, WING MINE
195	014N/019W/06	SE	CHIP	2FT TR, 20IN.QV IN ALT GN, WING MINE
196	014N/019W/06	SE	CHIP	24IN.PT, IRREG QV IN GN, WING MINE
197	014N/019W/06	SE	CHIP	16IN.PT,QV IN ALT GN,ABD MN/HEM/LIM STN,WING MINE
198	014N/019W/06	SE	CHIP	24IN.PT,IRREG QZ PODS IN GN,ABD MN/HEM/LIM, WING
199	014N/019W/06	SE	CHIP	18IN.PT, FLT IN GN, MN/HEM STN, WING MINE
200	014N/019W/06	SE	CHIP	5FT PT, IRREG QV IN GN W/HEM STN, WING MINE
201	014N/019W/06	SE	CHIP	3FT PT, IRREG QZ IN GN, HEM STN, WING MINE
202	NO SAMPLE			
203	014N/019W/06	SE	CHIP	30IN.PT, FLT W/QZ STRING/VLETS IN GN, WING MINE
204	014N/019W/17	NW	CHIP	32IN.SH, QV W/POSS SIDERITE
205	014N/019W/17	NW	CHIP	6IN.LR/XC/SH, QV W/POSS SIDERITE, HEM STN
206	014N/019W/17	NW	CHIP	2FT LR/XC/SH, V FRAC HOST RX W/QV
207	014N/019W/17	NW	CHIP	2.5FT FC/XC/SH, V FRAC HOST RX, QZ IN FRAC
208	014N/019W/17	NW	GRAB	PT DP SEL, ABD CALC, NO MINL STRUCTURE
209	014N/019W/17	NW	CHIP	40IN.PT, NO MINL STRUCTURE
210	014N/019W/17	NW	CHIP	2FT TR, QZT OR METARHYOLITE
211	014N/019W/17	NW	CHIP	2FT TR/OC, QZT OR METARHYOLITE
212	014N/019W/17	NW	CHIP	2.5FT PT, V FRAC, V WEATHERED, CALC, SERPENTINITE?
213	014N/019W/17	NW	CHIP	2FT PT, V WEATHERED, DACITE?, ABD QZ
214	014N/019W/17	SE	GRAB	PT DP SEL, ANDES/DACITE, ABD AZURITE, MINR MALA
215	014N/019W/17	SE	CHIP	38IN.PT,ANDES, ABD CALC/MINR DRUSY QZ/MALA/AZURITE
216	014N/019W/09	SWSW	STSED	12IN.PN-CN, 1FT DEEP, (SA 217)
217	014N/019W/09	SWSW	STSED	GRAB/BULK, 1FT DEEP, (SA 216)
218	014N/019W/16	NW	CHIP	17IN. TR, FLT ZNE IN GN & DIABASE, V FRAC
219	014N/019W/16	NW	CHIP	22IN. TR, FLT ZNE W/QV (N82W 66N)/GAL/PYR
220	014N/019W/16	NW	CHIP	TR, QV IN SHR ZNE N80W 85N, ABD FE/MINR CU STN
221	014N/019W/16	NW	CHIP	4IN.TR, QV IN ALT GN N80W 84N, HEM/MINR MALA/CALC
222	014N/019W/16	NW	CHIP	11IN.PT, FLT ZNE W/QV N40W 84SW, FE STN, ALT GN
223	014N/019W/16	NW	CHIP	18IN.TR, FLT ZNE W/QV N21W 86W, ALT GN, FE STN
224	014N/019W/16	NW	CHIP	PORT/AD, QZ-RICH ZNE N15W 86E IN GN
225	014N/019W/16	NW	CHIP	13IN. AD, QV N30W 87W IN GN, FRAC W/LIM/HEM STN
226	014N/019W/16	NW	CHIP	5IN. BK/AD, ALT & SHEARED GN W/QV
227	014N/019W/16	N CTR	CHIP	14IN.PT, DOZER CUT, GN W/ABD FE STN, NO VIS MINL
228	014N/019W/16	N CTR	STSED	12IN.PN-CN, 1FT DEEP, (SA 229)
229	014N/019W/16	N CTR	STSED	GRAB/BULK, 1FT DEEP, (SA 228)
230	014N/019W/16	SE	CHIP	20IN.BK@PORT/AD, FRAC ZNE W/QZ, J&J MINE
231	014N/019W/16	SE	CHIP	33IN.BK/AD, SHR ZNE, J&J MINE
232	014N/019W/16	SE	CHIP	18IN.BK/AD, ALT FLT GOUGE, VERT,J&J MINE
233	014N/019W/16	SE	CHIP	9IN.LR/AD, GN NO MINERALIZATION NOTED, J&J MINE
234	014N/019E/16	SE	CHIP	13IN.LR/AD, FLT GOUGE, N44E 85 SE, HEM STN, J&J
235	014N/019W/16	SE	CHIP	16IN.NR/SH, GN IN GOUGE, J&J MINE
236	014N/019W/16	SE	CHIP	4FT AD, GN, NO VIS MINL, J&J MINE
237	014N/019W/16	SE	CHIP	49IN.BK/DR/WZ
238	014N/019W/16	SE	CHIP	26IN.BK/DR/SH, GN, NO VIS MINL, J&J MINE
239	014N/019W/16	SE	CHIP	39IN.FC/DR/AD, GN, NO VIS MINL, J&J MINE
240	014N/019W/16	SE	CHIP	3FT FC/DR/WZ/AD, CHLORITE-RICH ZNE IN GN, J&J MINE
241	014N/019W/16	SE	GRAB	DP SEL, GN/QZ W/MALA/PYR/CPY/HEM/LIM, J&J MINE
242	014N/019W/16	SE	CHIP	13IN.S WALL TR, ALT GN, J&J MINE

TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
243	014N/019W/16	SE	CHIP	27IN.OC, QV W/GAL/MALA/HEM STN, J&J MINE
244	014N/019W/16	SE	GRAB	PT 6FT GRID, QZ, GN, DIAB, MINR CU STN, J&J MINE
245	014N/019W/16	SE	GRAB	PT 6FT GRID, QZ, GN, DIAB, MINR CU STN, J&J MINE
246	014N/019W/16	SE	CHIP	17IN.PT, FRAC IN GN, HEM STN, CALC COAT, J&J MINE
247	014N/019W/16	SE	CHIP	20IN.PT, FLT ZNE IN GN, FE STN, J&J MINE
248	014N/019W/16	SE	GRAB	PT 6FT GRID, DIABASE MINR QZ, J&J MINE
249	014N/019W/16	SE	CHIP	5FT OC, V FRAC QV W/FE STN, J&J MINE
250	014N/019W/16	SE	CHIP	4IN.TR, QV IN ALT GN, J&J MINE
251	014N/019W/16	SE	CHIP	3IN.TR, QV S67W 64SE, MINR CU STN/LIM/HEM/CPY,J&J
252	014N/019W/16	SE	CHIP	4IN.TR, QV IN ALT GN, J&J MINE
253	014N/019W/16	SE	CHIP	11IN.TR, FLT ZNE N38W 50NE, ALT GN W/LIM, J&J MINE
254	014N/019W/16	SE	CHIP	16IN.TR, QV IN FRAC GN, SOME CU STN, J&J MINE
255	014N/019W/16	SE	CHIP	15IN.TR, QZ VLETS IN FRAC GN, MINR SULF, J&J MINE
256	014N/019W/16	SE	GRAB	PT SP SEL, GN W/HEM/LIM/CU STN
257	014N/019W/16	SE	CHIP	4FT PT, FLT ZNE IN GN
258	014N/019W/16	SE	CHIP	6IN.PT, PEGMATITE POD IN FLT ZNE, NO VIS MINL
259	014N/019W/15	SW	STSED	12IN.PN-CN, 6-12IN. DEEP, (SA 260)
260	014N/019W/15	SW	STSED	GRAB/BULK, 6-12IN. DEEP, (SA 259)
261	014N/019W/14	NW	CHIP	18IN.LR/AD, 12IN.QV (SA 263)
262	014N/019W/14	NW	CHIP	26IN.RR/AD, (SA 264), 14IN.QV IN GN
263	014N/019W/14	NW	CHIP	22IN.RR/AD, 18IN.VUGGY QV, LIM/HEM/GAL/CU STN
264	014N/019W/14	NW	CHIP	24IN.RR/AD, (SA 266), 10IN.QV IN GN, 10% SULF
265	014N/019W/14	NW	CHIP	13IN.RR/AD, 9IN.QZ/CALC VN, VUGGY, GAL/PYR/HEM/LIM
266	014N/019W/14	NW	CHIP	19IN.RR/AD, 12IN.QV IN GN, 10% SULF, PYR/GAL
267	014N/019W/14	NW	CHIP	21IN.FC/AD, QZ/CALC VN IN GN, VUGGY, ABD PYR, HEM
268	014N/019W/14	NW	CHIP	20IN.FC/AD, QV IN GN, (SA 267), 20% SULF, GAL/PYR
269	014N/019W/14	NW	CHIP	3FT LR/AD, GN W/THN CALC VN, NO VIS MINL
270	014N/019W/14	NW	CHIP	3FT LR/AD, FINE, GR RX, HEM STN
271	014N/019W/14	NW	CHIP	3FT LR/AD, GRGN, HEM STN, SOME FRAC
272	014N/019W/14	SW	STSED	12IN.PN-CN, 6-12IN. DEEP, (SA 273)
273	014N/019W/14	SW	STSED	GRAB/BULK, 6-12IN. DEEP, (SA 272)
274	014N/019W/13	NW	GRAB	AD DP SEL, HI GRD SULF IN QZ, GAL/CPY/LIM/MINR PYR
275	014N/019W/13	NW	CHIP	24IN.L SIDE/OP, GOUGE ZNE IN ANDESITE
276	014N/019W/13	NW	CHIP	18IN.LR/AD, FLT GOUGE IN ANDESITE
277	014N/019W/13	NW	CHIP	22IN.FC/AD, FLT ZNE IN ANDES, NO VIS MINL
278	014N/019W/13	SW	STSED	12IN.PN-CN, 3FT DEEP, (SA 279)
279	014N/019W/13	SW	STSED	GRAB/BULK, 3FT DEEP, (SA 278)
280	014N/019W/13	SW	STSED	12IN.PN/CN, 1FT DEEP, (SA 281)
281	014N/019W/13	SW	STSED	GRAB/BULK, 1FT DEEP, (SA 280)
282	014N/019W/13	NW	CHIP	28IN.TR, QV IN GN, LIM/HEM STN
283	014N/019W/13	NW	GRAB	SEL HI GRD FR TALUS NEAR QV & TR, QZ W/ABD GAL
284	014N/019W/13	NW	CHIP	2FT OC, 22IN.QV IN GN
285	NO SAMPLE			
286	NO SAMPLE			
287	014N/019W/13	NW	CHIP	2FT PT, QZ STRINGERS/GN IN SHR ZNE, LIM STN
288	014N/019W/13	NW	CHIP	2FT PT, QZ STRINGERS/GN IN SHR ZNE, LIM STN
289	014N/019W/12	SW	GRAB	AD DP SEL
290	014N/019W/12	SW	CHIP	16IN.RR/AD, QV IN SHR GN
291	014N/019W/12	SW	CHIP	16IN.RR/AD, V FRAC GN W/QZ STRINGERS
292	014N/019W/12	SW	CHIP	19IN.LR/AD, 15IN.QV IN GN, LIM/HEM STN
293	014N/019W/12	SW	CHIP	12IN.LR/AD, QZ/GN AT FLT CONT, HEM STN

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
294	014N/018W/07	NW	CHIP	44IN. OC, FLT W/GRGN/GV,POCO LOCC CL (SCOTTS WELL)
295	014N/018W/07	NW	CHIP	40IN.FC/AD, 1.5IN.GOUGE IN GN, FE STN, SCOTTS WELL
296	014N/018W/07	NW	CHIP	40IN.BK/AD,GN W/FLT GOUGE/ABD LIM STN, SCOTTS WELL
297	014N/018W/07	NW	CHIP	12IN. FC/AD, FAULT N42W 90, ALT, FE, SCOTTS WELL
298	014N/018W/07	NW	CHIP	33IN.FC/AD, GN/DIOR CONTACT, SCOTTS WELL
299	014N/018W/07	NW	CHIP	30IN.PORT/AD,GN W/2IN.QV/MINR LIM STN, SCOTTS WELL
300	014N/018W/07	NW	CHIP	20IN.FC/AD, V WEATHERED SCHIST
301	014N/018W/07	NW	GRAB	DP, 15FT INSHFT, V ALT ZNE, FE STN & QZ VLET
302	014N/018W/07	NW	CHIP	21IN.LR/AD, FRAC ZNE IN GN, SCOTTS WELL
303	014N/018W/07	NW	CHIP	3IN.RR/AD, FRAC ZNE IN GN, ABD LIM STN,SCOTTS WELL
304	014N/018W/07	NW	CHIP	14IN.FC&BK/AD, BRECC FLT GOUGE, SCOTTS WELL
305	014N/018W/07	NW	CHIP	29IN.TR, GV IN GN, NO MINL NOTED, SCOTTS WELL AREA
306	014N/018W/07	NW	CHIP	18IN.LR/AD, FLT GOUGE IN GN, NO MINL, SCOTTS WELL
307	014N/018W/07	NW	CHIP	15IN. BK/AD, 2IN. QV IN SHR ZNE, SCOTTS WELL AREA
308	014N/018W/07	NW	CHIP	7IN.LR/AD, 5IN.QV IN FLT IN GN, NEAR SCOTTS WELL
309	014N/018W/07	NW	CHIP	5IN.BK/AD,QV IN SHTOSE GN,MINR LIM/HEM,NEAR SCOTTS
310	014N/018W/07	NW	CHIP	5IN.FC/AD, 4IN.QV IN FLT IN GN, NEAR SCOTTS WELL
311	014N/018W/07	NW	GRAB	DP, SCOTTS WELL AREA
312	014N/018W/07	NW	CHIP	3.5FT PORT/AD, GN NO VIS MINL, SCOTTS WELL AREA
313	014N/018W/07	NW	CHIP	18IN. BK/AD, FAULT W/ MINOR QZ & FE, SCOTTS WELL
314	014N/018W/07	NW	CHIP	2IN.LR/AD, QV IN GN/DIKE/FLT CONT,NEAR SCOTTS WELL
315	014N/018W/07	NW	GRAB	DP RAND, MASS QZ W/FE & GAL, SCOTTS WELL AREA
316	014N/018W/07	NW	CHIP	2FT FC/AD,MINR QZ IN GN/DIKE CONT,NEAR SCOTTS WELL
317	014N/018W/07	NW	CHIP	5IN.TR,GV IN SCHIST/SHR ZNE IN GN,NEAR SCOTTS WELL
318	014N/018W/07	NW	CHIP	13IN. BK/AD, GV W/MALA & GAL, SCOTTS WELL AREA
319	014N/018W/07	NW	CHIP	8IN.LR/AD, QV IN GN/DIKE CONT, SCOTTS WELL AREA
320	014N/018W/07	NW	CHIP	7IN.TR, QV IN SHTOSE GN, GAL/PYR,NEAR SCOTTS WELL
321	014N/018W/07	NW	CHIP	2IN.LR/AD, QV IN GN/DIOR CONT, SCOTTS WELL AREA
322	014N/018W/07	NW	CHIP	11IN.TR, 7IN.QV IN SHTOSE GN, LIM/HEM, NEAR SCOTTS
323	014N/018W/07	SW	STSED	PN-CN/DRWSH, SCOTTS WELL AREA
324	014N/018W/07	SW	STSED	PN-CN/DRWSH, BLW 324,VIS AU FLOUR,SCOTTS WELL AREA
325	014N/018W/07	SW	STSED	PN-CN/DRWSH, BLW 324, SCOTTS WELL AREA
326	014N/018W/07	CTR	GRAB	AD DP 6FT GRID, W/QZ/SPAR MALA STN, SCOTTS WL AREA
327	014N/018W/07	SW	CHIP	30IN.TR, QV IN SHR ZNE, S. OF SCOTTS WELL
328	014N/018W/07	SW	CHIP	32IN.BK&SR/AD,SHR ZNE W/GZ VLETS,S. OF SCOTTS WELL
329	014N/018W/07	SW	CHIP	8IN.RR/AD, GV IN GN, SCOTTS WELL AREA
330	014N/018W/07	SW	CHIP	25IN.FC/AD, QV W/FE STN, S. OF SCOTTS WELL
331	014N/018W/07	SW	CHIP	8IN.PORT/AD, QV IN GN/DIOR FLT CONT, SCOTTS WELL
332	014N/018W/07	SW	CHIP	20IN.TR, 18IN.QV IN GN, SCOTTS WELL AREA
333	014N/018W/07	SW	GRAB	DP 10FT GRID, S.OF SCOTTS WELL
334	014N/018W/07	SW	GRAB	DP SEL, QZ SP, SCOTTS WELL AREA
335	014N/018W/07	SW	CHIP	48IN.LR/AD, MICACEOUS COUNTRY RX, S.OF SCOTTS WELL
336	014N/018W/07	SW	CHIP	24IN.FC/DR/AD, GN/NO MINL, SCOTTS WELL AREA
337	014N/018W/07	SW	CHIP	4IN.SEL BK/AD, FLT JCT,QZ/GAL/CU, SCOTTS WELL AREA
338	014N/018W/07	SW	CHIP	6IN.RR/DR/AD, GV IN DIAB/HEM STN, SCOTTS WELL AREA
339	014N/018W/07	SW	CHIP	20IN.FC/DR/AD, GV, S40E 56SW, S OF SCOTTS WELL
340	014N/018W/07	SW	CHIP	10IN.OC/TR, GV IN GN, SCOTTS WELL AREA
341	014N/018W/07	SW	CHIP	18IN.RR/AD, FLT BRECCIA, S OF SCOTTS WELL
342	014N/018W/07	SW	CHIP	12IN.RR/AD, FLT GOUGE IN GN/DIAB, SCOTTS WELL AREA
343	014N/018W/07	SW	CHIP	18IN.RR/AD, FLT GOUGE IN GN/DIAB, SCOTTS WELL AREA
344	014N/018W/07	SW	CHIP	30IN.PORT/AD, GN, NO VIS MINL, SCOTTS WELL AREA

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
345	014N/018W/07	SW	CHIP	13IN.AD, SHR ZNE, ABD FE STN, SCOTTS WELL AREA
346	014N/018W/07	SW	CHIP	31IN. RR/FC/TR, QV W/FE STAIN, SCOTTS WELL AREA
347	014N/018W/07	SW	CHIP	19IN.TR, SCHISTOSE ODIAB W/QV, SCOTTS WELL AREA
348	014N/018W/07	SW	CHIP	16IN.OC, SCHISTOSE ODIAB W/QZ, SCOTTS WELL AREA
349	014N/018W/07	SW	CHIP	19IN.OC, SCHISTOSE ODIAB W/QZ, SCOTTS WELL AREA
350	014N/018W/07	SW	CHIP	31IN.BK/AD, QV IN SHR, FE STN, S. OF SCOTTS WELL
351	014N/018W/07	SW	CHIP	43IN.XC/AD, SHR ZNE, W/QZ/LIM, S. OF SCOTTS WELL
352	014N/018W/07	SW	CHIP	13IN.BK/AD, QV, SCOTTS WELL AREA
353	014N/018W/07	SW	CHIP	44IN.BK/AD, FLT ZNE, QZ-RICH, S. OF SCOTTS WELL
354	014N/018W/07	SW	CHIP	32IN.LR/AD,FLT GOUGE IN GN W/CALC,SCOTTS WELL AREA
355	014N/018W/07	SW	CHIP	16IN.BK/AD, FLT ZNE BTWN GN/DIOR, SCOTTS WELL AREA
356	014N/018W/07	SW	CHIP	18IN.LR/AD, V FRAC DIOR W/CALC, SCOTTS WELL AREA
357	014N/018W/07	SW	GRAB	SH DP 6FT GRID, S. OF SCOTTS WELL
358	014N/018W/07	SW	CHIP	3.2FT TR, 12IN.QV IN GN/DIOR FLT CONT, SCOTTS WELL
359	014N/018W/07	SW	CHIP	10IN.PT, QV IN GN/DIKE CONT, SCOTTS WELL AREA
360	014N/018W/07	SW	GRAB	DP SEL, SCOTTS WELL AREA
361	014N/018W/07	SW	GRAB	PT DP SP, QV
362	014N/018W/07	SW	CHIP	2FT OC/PT, QV IN ANDES, (SA 363)
363	014N/018W/07	SW	CHIP	2FT OC/PT, QV IN ANDES, (SA 362)
364	014N/018W/07	SW	CHIP	3FT BK/AD, FLT GOUGE
365	014N/018W/07	SW	CHIP	4IN.OP/AD, QV ADJ DIAB, NO VIS MINL
366	014N/018W/07	SW	CHIP	3.5FT PT, 6IN.QV IN FLT GOUGE
367	014N/018W/18	NW	GRAB	AD SP SEL, QV/GN, PYR/GAL/LIM/HEM, SUNSET
368	014N/018W/18	NW	CHIP	12IN.BK@LR/AD,8IN.QV IN GN,PYR/GAL/LIM/HEM, SUNSET
369	014N/018W/18	NW	CHIP	22IN.LR/AD, 12IN.QV IN GN, MINR PYR/GAL, SUNSET
370	014N/018W/18	NW	CHIP	23IN.PT, 6IN.QV IN SHTOSE ZNE, NO VIS MINL, SUNSET
371	014N/019W/13	N CTR	GRAB	PT DP SEL, QZ/GN
372	014N/019W/13	N CTR	CHIP	7IN.PT, QV W/ABD CALICHE IN GN, NO VIS MINL
373	014N/019W/13	N CTR	CHIP	8IN.PT, QV IN GN, NO VIS MINL
374	014N/019W/13	E CTR	CHIP	12IN.PORT/DOGHOLE, FLT ZNE IN GN, NO VIS MINL
375	014N/019W/13	E CTR	CHIP	8IN.RR/DOGHOLE, QZ POD IN GN, GAL/PYR
376	014N/019W/13	E CTR	CHIP	2FT PORT/AD, GRGN ADJ TO QV IN SAMP 377
377	014N/019W/13	E CTR	CHIP	4IN.PORT/AD, QV IN GRGN (SA 376), W. OF SUNSET
378	014N/019W/13	E CTR	CHIP	26IN.BK/AD, 6IN.QV IN GRGN, MINR GAL, W. OF SUNSET
379	014N/019W/13	E CTR	CHIP	3FT FC/AD, QV IN FLT ZNE IN GRGN, W. OF SUNSET
380	014N/019W/13	E CTR	CHIP	3FT PT, GRGN/PORPH FRAC ZNE CONT, W. OF SUNSET
381	014N/019W/13	E CTR	CHIP	2FT PT, QV IN GRGN & PORPHYRY, W. OF SUNSET
382	014N/019W/13	E CTR	CHIP	3FT PT, QV CUTS GRGN & PORPHYRY, W. OF SUNSET
383	014N/018W/18	W CTR	CHIP	1.5FT PT, QV IN GN (SA 384), SUNSET
384	014N/018W/18	W CTR	CHIP	1.5FT PT, QV IN GN (SA 383), SUNSET
385	014N/018W/18	W CTR	CHIP	1FT PT, QV IN GN, GAL/CU STN, SUNSET
386	014N/018W/18	W CTR	CHIP	1.5FT PT, QV IN GRGN, GAL/PYR/MALA, SUNSET
387	014N/018W/18	W CTR	GRAB	PT DP SEL, QZ/GAL/CU STN, SUNSET
388	014N/018W/18	W CTR	CHIP	4FT AD, FLT GOUGE (SA 389), SUNSET #2
389	014N/018W/18	W CTR	CHIP	4FT AD, FLT GOUGE (SA 388), SUNSET #2
390	014N/018W/18	W CTR	CHIP	40IN.RR/AD, FLT GOUGE,SUNSET
391	014N/018W/18	W CTR	CHIP	1.5FT BK/DR/AD, FLT GOUGE IN GN, SUNSET #2
392	014N/018W/18	W CTR	CHIP	10IN.RR/AD, FLT GOUGE, SUNSET #2
393	014N/018W/18	W CTR	CHIP	2FT FC/AD, GN/QZ PORPH CONT, SUNSET #2
394	014N/018W/18	W CTR	CHIP	30IN.RR/AD, GOUGE ZNE, HEM, SUNSET #1
395	014N/018W/18	W CTR	CHIP	2FT RR/AD, FLT GOUGE IN DIORITE, SUNSET #1

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
396	014N/018W/18	W CTR	CHIP	2FT LR/AD, FLT GOUGE IN DIORITE, SUNSET #1
397	014N/018W/18	W CTR	CHIP	3FT FC/AD,QV IN DIORITE,CALC IN FRAC,PYR,SUNSET #1
398	014N/018W/18	W CTR	CHIP	32IN.BK/AD, GN/DIOR FLT CONT, ABD GAL, SUNSET MINE
399	014N/018W/18	W CTR	CHIP	34IN.BK/DR/AD, FLT GOUGE IN GRGN, SUNSET #1
400	014N/018W/18	W CTR	CHIP	8IN.LR/AD,DOGHOLE,FRAC GRGN,GAL/CPY/CU STN,SUNSET
401	014N/018W/18	W CTR	CHIP	30IN.RR/AD,ANDES? DK IN GRGN,MINR PYR/CPY,SUNSET#1
402	014N/018W/18	W CTR	CHIP	30IN.BK/AD, GN/DIOR FLT CONT, GAL/PYR/CPY, SUNSET
403	014N/018W/18	W CTR	CHIP	28IN.FC/DR/AD,DIORITE FLT GOUGE,ABD PYR,SUNSET#1
404	014N/018W/18	W CTR	CHIP	16IN.PT, QV, NO VIS MINL (SA 405)
405	014N/018W/18	W CTR	CHIP	3IN.PT, QV, NO VIS MINL (SA 404)
406	014N/018W/18	W CTR	CHIP	INSH, QV IN GRGN, SUNSET AREA
407	014N/018W/18	W CTR	CHIP	1.5FT BK/INSH, QV, SUNSET AREA
408	014N/019W/13	SE	CHIP	2.5FT TR, 2FT QV IN GN, ABD HEM, SUNRISE
409	014N/019W/13	SE	CHIP	18IN. OC/TR, QV IN GN, ABD HEM STN, SUNRISE
410	014N/019W/13	SE	CHIP	18IN. LR/AD, QV IN GN, MINR HEM, SUNRISE
411	014N/019W/13	SE	CHIP	2FT RR/AD, QV IN GN, MINR HEM, SUNRISE
412	014N/019W/13	SE	CHIP	18IN. OC/SH, QV IN GN, MINR HEM, SUNRISE
413	014N/019W/13	SE	CHIP	18IN. AD, QV N20E 45E, W/ABD HEM, SPAR GAL,SUNRISE
414	014N/019W/13	SE	CHIP	14IN. WR@PORT/AD, SHR ZNE W/QV/GN, ABD FE, SUNRISE
415	014N/019W/13	SE	CHIP	15IN. OC, QV W/ABD FE STN, SUNRISE MINE AREA
416	014N/019W/13	SE	CHIP	28IN. OC, QV W/ABD HEM STN, SUNRISE MINE AREA
417	014N/019W/13	SE	CHIP	18IN. OC, QV W/ABD HEM STN, SUNRISE MINE AREA
418	014N/019W/13	SE	CHIP	18IN. OC, QV W/HEM & CU STN ON FRAC, SUNRISE
419	014N/019W/13	SE	CHIP	12IN. OC, V FRAC QV W/HEM IN FRAC, SUNRISE
420	014N/019W/13	SE	CHIP	23IN.OC, QV N15E 55E, SUNRISE MINE
421	014N/019W/13	SE	CHIP	17IN.OC, QV N15E 55E IN GN/DIAB, SUNRISE MINE
422	014N/019W/13	SE	CHIP	14IN.OC, QV N20E 48E IN GN, SUNRISE MINE
423	014N/019W/13	SE	CHIP	16IN. PT/OC, QV N4W 70E, SUNRISE MINE
424	014N/019W/13	SE	CHIP	14IN.LR@BK/AD, 9IN.QV N5E 70E & GOUGE, SUNRISE
425	014N/019W/13	SE	CHIP	7IN. FC/AD, 6IN. QV N2E 69E, SUNRISE AREA
426	014N/019W/13	SE	CHIP	6IN.TR, QV IN GN, SUNRISE MINE
427	014N/019W/13	SE	CHIP	16IN.TR, QV N10E 55E IN GN, SUNRISE MINE
428	014N/019W/13	SE	CHIP	8IN.OC, QV IN GN, SUNRISE MINE
429	014N/019W/13	SE	CHIP	18IN.OP, QV N10E 63E IN GN, SUNRISE MINE
430	014N/019W/13	SE	CHIP	18IN.OP, FLT ZNE/QV N15E 62E, ABD LIM, SUNRISE
431	014N/019W/13	SE	CHIP	10IN.OP, FLT ZNE/QV IN GN/DIABASE, SUNRISE MINE
432	014N/019W/13	SE	CHIP	12IN.PT, FLT ZNE W/QV N12E 58E, SUNRISE MINE
433	014N/019W/13	SE	CHIP	20IN.OC, QV N4W 46E, SULF/HEM/LIM STN, SUNRISE
434	014N/019W/13	SE	CHIP	20IN.OC, QV N29E 56E, HEM/LIM STN, SUNRISE MINE
435	014N/019W/13	SE	CHIP	13IN.OC, QV N10E 55E, HEM STN, SUNRISE MINE
436	014N/019W/13	SE	CHIP	13IN.PORT/AD,QV W/PYR N14E 62E IN GN, SUNRISE MINE
437	014N/019W/13	SE	CHIP	25IN.MANWAY/AD, QV IN SHR, N10E 75E, SUNRISE MINE
438	014N/019W/13	SE	CHIP	9IN. LR/AD, FRAC QV, ABD HEM,LIM, SUNRISE AD #3
439	014N/019W/13	SE	CHIP	11IN.LR@BK/AD (SA 440),SHR ZNE W/QV, SUNRISE AD#3
440	014N/019W/13	SE	CHIP	15IN.LR@BK/AD (SA 439),SHR ZNE W/QV, SUNRISE AD#3
441	014N/019W/13	SE	CHIP	10IN.RR/AD, FLT ZNE N42W 54SW, SUNRISE MINE
442	014N/019W/13	SE	CHIP	14IN.LR/AD, (SA 443,444), QV W/PYR, SUNRISE MINE
443	014N/019W/13	SE	CHIP	8IN.LR/AD, (SA 442,444), DIABASE, SUNRISE MINE
444	014N/019W/13	SE	CHIP	12IN.LR/AD, (SA 442,443), GNEISS, SUNRISE MINE
445	014N/019W/13	SE	CHIP	13IN.WR/AD, QV N10E 70E W/PYR, SUNRISE MINE
446	014N/019W/13	SE	CHIP	9IN.WR/AD, FLT/QV N12E 70E W/PYR, SUNRISE MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
447	014N/019W/13	SE	CHIP	10IN.LR/AD, FLT ZNE N9E 67E, LIM STN, SUNRISE MINE
448	014N/019W/13	SE	CHIP	11IN.BK/AD, FLT GOUGE IN GN W/QZ, SUNRISE MINE
449	014N/019W/13	SE	CHIP	15IN.WR/AD, FLT GOUGE IN GN W/QZ, SUNRISE MINE
450	014N/019W/13	SE	CHIP	2IN.RR/AD, FRAC IN GN W/DISS PYR, SUNRISE MINE
451	014N/019W/13	SE	CHIP	9IN.BK/AD (SA 452),QV N5E 75E, MINR SULF, SUNRISE
452	014N/019W/13	SE	CHIP	14IN.BK@LR/AD (SA 451), GNEISS, SUNRISE MINE
453	014N/019W/13	SE	CHIP	10IN.WR/AD, MASS QV/FLT GOUGE IN GN, SUNRISE MINE
454	014N/019W/13	SE	CHIP	12IN.BK/AD, (SA 455), FLT ZNE IN GN, SUNRISE MINE
455	014N/019W/13	SE	CHIP	13IN.BK/AD (SA 454), QV IN GN, SUNRISE MINE
456	014N/019W/13	SE	CHIP	14IN.RR/AD, SHR W/QV,GAL,PYR,LIM,HEM, SUNRISE AD#2
457	014N/019W/13	SE	CHIP	6IN.BK/AD (SA 459,458), FLT ZNE, GNEISS, SUNRISE
458	014N/019W/13	SE	CHIP	6IN.BK/AD (SA 459,457), FLT ZNE W/QV, SUNRISE
459	014N/019W/13	SE	CHIP	6IN. BK/AD (SA 458,457),SHR ZNE W/QV, SUNRISE AD#3
460	014N/019W/13	SE	CHIP	7IN.BK/AD (SA 461), SHR IN GNEISS, SUNRISE MINE
461	014N/019W/13	SE	CHIP	15IN.BK/AD(SA 460), QV W/SPAR SULF IN GN, SUNRISE
462	014N/019W/13	SE	CHIP	16IN.BK/AD, FLT ZNE W/QV N19E 75E, SUNRISE MINE
463	014N/019W/13	SE	CHIP	14IN.BK/AD, QV N18E 65E, MINR PYR, SUNRISE MINE
464	014N/019W/13	SE	CHIP	16IN.BK/AD(SA 465), SHR W/GV/SPAR PYR/GAL,SUNRISE
465	014N/019W/13	SE	CHIP	10IN.BK/AD (SA 464), SHR IN GN, SUNRISE MINE
466	014N/019W/13	SE	CHIP	15IN.BK@LR/AD, FLT ZNE W/QV, GAL/PYR, SUNRISE MINE
467	014N/019W/13	SE	CHIP	20IN.LR/AD, GN W/SPAR PYR/HEM, SUNRISE MINE
468	014N/019W/13	SE	CHIP	16IN.BK/AD, GNEISS, SUNRISE MINE
469	014N/019W/13	SE	CHIP	21IN.FC/AD, GN NO MINERALIZATION NOTED, SUNRISE
470	014N/019W/13	SE	CHIP	8IN.PT, FLT W/QV N15E 55E, HEM STN, SUNRISE MINE
471	014N/019W/13	SE	CHIP	14IN.LR/AD, FRAC QV W/ MUCH FE STN, SUNRISE
471R			CHIP	TSL REANALYSIS OF 471, (XPK-004991)
472	014N/019W/13	SE	CHIP	7.5IN.NWR/AD, FRAC QV W/FE STN, SUNRISE MINE
473	014N/019W/13	SE	CHIP	24IN.NWR/AD, QV IN GN W/SULF, ABD FE STN, SUNRISE
474	014N/019W/13	SE	CHIP	15IN.BK/AD, QV IN GN W/ABD PYR,SULF,FE STN,SUNRISE
475	014N/019W/13	SE	CHIP	12.5IN.BK/AD, QV IN GN W/PYR/GAL/SULF/FE, SUNRISE
475R			CHIP	TSL REANALYSIS OF 475, (XPK-003584)
476	014N/019W/13	SE	CHIP	11IN.LR/AD, FRAC QV W/SULF/GAL/PYR/HEM, SUNRISE
477	014N/019W/13	SE	CHIP	1FT BK/AD, GN HOST ADJ 476 QV, PYR/GAL, SUNRISE
477R			CHIP	TSL REANALYSIS OF 477, (XPK-004993)
478	014N/019W/13	SE	CHIP	1FT BK/AD, QV W/SULF/PYR/GAL, SUNRISE MINE
479	014N/019W/13	SE	CHIP	10IN.BK/AD, GN HOST FOR QV 478, SUNRISE MINE
480	014N/019W/13	SE	CHIP	16IN.FC/DR/AD, GN/DIABASE CONTACT, SUNRISE MINE
481	014N/019W/13	SE	CHIP	12IN.BK/AD, QV W/ABD PYR, SPAR GAL, SUNRISE MINE
482	014N/019W/13	SE	CHIP	7IN.BK/AD, GN HOST OF 481 QV, SUNRISE MINE
483	014N/019W/13	SE	CHIP	7IN.BK/AD, DIABASE ADJACENT TO 481 QV, SUNRISE
484	014N/019W/13	SE	CHIP	12IN.RR/AD,FLT ZNE N63W 40N, NO MINL, SUNRISE MINE
485	014N/019W/13	SE	CHIP	13IN.RR/AD, QV N12E 70E, W/PYR/GAL/HEM, SUNRISE
486	014N/019W/13	SE	CHIP	24IN.BK/AD, QV, SUNRISE MINE
487	014N/019W/13	SE	CHIP	4IN.BK@RR/AD, QV IN GN W/PYR/CPY, SUNRISE MINE
487R			CHIP	TSL REANALYSIS OF 487, (XPK-003586)
488	014N/019W/13	SE	CHIP	25IN.BK/AD, QV IN GN W/MINR PYR & CPY, SUNRISE
488R			CHIP	TSL REANALYSIS OF 488, (XPK-003588)
489	014N/019W/13	SE	CHIP	12IN.BK/AD, QV W/LIM STN/ABD PYR, SUNRISE MINE
490	014N/019W/13	SE	CHIP	12IN.LR/AD, QV IN GN W/PYR & GAL, SUNRISE MINE
491	014N/019W/13	SE	CHIP	15IN.NWR/AD, ,QV W/MINR SULF, ABD FE STN, SUNRISE
492	014N/019W/13	SE	CHIP	2IN.LR/AD, QV NEAR CROSS FLT,SPAR PYR,SUNRISE MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
493	014N/019W/13	SE	CHIP	12IN. AD, SHEAR ZNE N75E 39NW, SUNRISE AD #2
494	014N/019W/13	SE	CHIP	7IN.RR/AD, QV/GN IN FLT ZNE,PYR,MINR HEM, SUNRISE
495	014N/019W/13	SE	CHIP	16IN RR/AD, QV W/PYR,LIM STN, SUNRISE AD #2
496	014N/019W/13	SE	CHIP	16IN.RR/AD,SHR ZNE W/QV,PYR,LIM STN, SUNRISE AD #2
497	014N/019W/13	SE	CHIP	3IN. RR/AD, SHR ZNE (SA 498,499), SUNRISE AD #2
498	014N/019W/13	SE	CHIP	12IN.BK/AD(SA 497,499), QV W/PYR,LIM, SUNRISE AD#2
499	014N/019W/13	SE	CHIP	20IN. BK/AD, SHR ZNE (SA 497,498), SUNRISE AD #2
500	014N/019W/13	SE	CHIP	9IN. RR/AD,SHR ZNE W/QV N12E 70E,PYR, SUNRISE AD#2
501	014N/019W/13	SE	CHIP	8IN. RR/AD, SHR W/QV,SPAR PYR, LIM, SUNRISE AD #2
502	014N/019W/13	SE	CHIP	10IN.FC/DR/AD, CONT GN/DIAB, NO VIS MINL,SNR AD #2
503	014N/019W/13	SE	CHIP	8IN. RR/AD, SHR ZNE W/QV, MINR PYR, SUNRISE AD #2
504	014N/019W/13	SE	CHIP	6IN. RR@BK/AD, SHR ZNE W/QV, PYR, SUNRISE AD #2
505	014N/019W/13	SE	CHIP	9IN. BK@LR/AD,SHR ZNE N29E 60SE W/QV, SUNRISE AD#2
506	014N/019W/13	SE	CHIP	8IN. RR/AD,FLT IN GN,ABD LIM&HEM STN,SUNRISE AD#2
507	014N/019W/13	SE	CHIP	8IN. DGHL/LR/AD, FRAC N34W 78N, SUNRISE AD #2
508	014N/019W/13	SE	CHIP	18IN. RR/AD, GN/DIAB CONT, SUNRISE ADIT #2
509	014N/019W/13	SE	CHIP	20IN. FC/AD, NO MINL NOTED, SUNRISE AD #2
510	014N/019W/13	SE	CHIP	3IN.NW WALL/TR, QV W/SOME GAL/LIM/HEM/PYR, SUNRISE
511	014N/019W/13	SE	CHIP	1FT NWR@PORT/AD, QV IN FLT ZNE,ABD FE STN, SUNRISE
512	014N/019W/13	SE	CHIP	3FT LR/AD, FLT ZNE IN GN, MINR HEM, SUNRISE MINE
513	014N/019W/13	SE	CHIP	2FT LR/AD, 2IN.QV IN GN, SULF, LIM, HEM, SUNRISE
514	014N/019W/13	SE	CHIP	2IN.LR/AD, QV IN 513, SUNRISE MINE
514R			CHIP	TSL REANALYSIS OF 514, (XPK-004916)
515	014N/019W/13	SE	CHIP	2IN.LR/AD, QV W/PYR, GAL, SUNRISE MINE
516	014N/019W/13	SE	CHIP	2IN.NWR/AD, QV W/SOME PYR, SUNRISE MINE
517	014N/019W/13	SE	CHIP	4IN.LR/AD, QV W/MINR PYR, SUNRISE MINE
518	014N/019W/13	SE	CHIP	14IN.LR/AD, 3IN.GV IN GN, SUNRISE MINE
519	014N/019W/13	SE	CHIP	3IN.LR/AD, QV FROM 518, SUNRISE MINE
520	014N/019W/13	SE	CHIP	6IN.LR/AD, QV IN GN W/PYR PODS, SUNRISE MINE
521	014N/019W/13	SE	CHIP	8IN.BK/AD, GN HOST FOR QV IN 522, SUNRISE MINE
522	014N/019W/13	SE	CHIP	3IN.BK/AD, QV IN 521, W/PYR, HEM STN, SUNRISE
523	014N/019W/13	SE	CHIP	7IN.BK/AD, GN HOST IN 522, SUNRISE MINE
524	014N/019W/13	SE	CHIP	15IN.NWR/AD, QV IN GN, SOME SULF, SUNRISE MINE
525	014N/019W/13	SE	CHIP	3IN.NWR/AD, QV IN GN W/HEM & PYR STN, SUNRISE
526	014N/019W/13	SE	CHIP	5IN.NWR/AD, QV W/SPAR PYR PODS, LIM, SUNRISE MINE
527	014N/019W/13	SE	CHIP	10IN.R/AD, GN HOST W/SPAR PYR, SUNRISE MINE
528	014N/019W/13	SE	CHIP	14IN.NWR/AD, GN HOST W/SPAR PYR, SUNRISE MINE
529	014N/019W/13	SE	CHIP	2.5FT NWR/AD, GN W/FLT ZNE, QZ & SPAR PYR, SUNRISE
530	014N/019W/13	SE	CHIP	3IN.NWR/AD, FLT ZNE IN 529, SUNRISE MINE
531	014N/019W/13	SE	CHIP	18IN.LR/AD, FLT ZNE IN GN, SUNRISE MINE
532	014N/019W/13	SE	CHIP	18IN.FC/DR/AD, GN HOST IN 533, SUNRISE MINE
533	014N/019W/13	SE	CHIP	3IN.FC/DR/AD, QV IN 534 & 532, W/PYR/GAL, SUNRISE
534	014N/019W/13	SE	CHIP	34IN.FC/DR/AD, GN HOST FOR 533 QV, SUNRISE MINE
535	014N/019W/13	SE	CHIP	6IN.RR/AD, FLT ZNE IN GN, SUNRISE MINE
536	014N/019W/13	SE	CHIP	3IN.LR/AD, FLT ZNE IN GN, SUNRISE MINE
537	014N/019W/13	SE	CHIP	16IN.RR/AD, FRAC IN GN, SUNRISE MINE
538	014N/019W/13	SE	CHIP	8IN.SR/XC/AD,QV IN FLT ZNE IN GN,MINR PYR, SUNRISE
539	014N/019W/13	SE	CHIP	10IN.NR/XC/AD, QV/GN IN FLT ZNE, MINR PYR, SUNRISE
540	014N/019W/13	SE	CHIP	13IN.RR/AD, QV IN GN W/SPAR PYR, HEM, SUNRISE MINE
541	014N/019W/13	SE	CHIP	2FT LR/AD, QV/GN W/PYR, HEM STN, SUNRISE MINE
542	014N/019W/13	SE	CHIP	11IN.RR/AD, GV W/GAL, PYR, HEM STN, SUNRISE MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
543	014N/019W/13	SE	CHIP	8IN.RR/AD, GN ADJ TO 4954 QV, MINR PYR, SUNRISE
544	014N/019W/13	SE	CHIP	13IN.LR@BK/AD, QV/GN W/PYR/GAL, SUNRISE MINE
544R			CHIP	TSL REANALYSIS OF 544, (XPK-004972)
545	014N/019W/13	SE	CHIP	10IN.RR/AD, QV W/MINR PYR, (SA 546), SUNRISE MINE
546	014N/019W/13	SE	CHIP	14IN.RR/AD, GN ADJ QV IN 545, PYR, HEM, SUNRISE
547	014N/019W/13	SE	CHIP	6IN.BK@LR/AD, QV W/ABD PYR, (SA 548), SUNRISE
548	014N/019W/13	SE	CHIP	11IN.BK@LR/AD, GN ADJ QV IN 547, ABD PYR, SUNRISE
549	014N/019W/13	SE	CHIP	6IN.LR/AD, QV W/MINR PYR/GAL, SUNRISE MINE
550	014N/019W/13	SE	CHIP	10IN.LR@BK/AD, QV W/PYR/GAL, SUNRISE MINE
551	014N/019W/13	SE	CHIP	8IN.RR/AD, QV W/MINR PYR, SUNRISE MINE
552	014N/019W/13	SE	CHIP	7IN.RR/AD,FLT ZNE IN GN W/QZ POD, NO MINL, SUNRISE
553	014N/019W/13	SE	CHIP	2FT FC/DR/AD, GN HOST W/ MINR PYR, SUNRISE MINE
554	014N/019W/13	SE	CHIP	11IN.LR/AD, QV IN FLT ZNE W/ PYR, SUNRISE MINE
555	014N/019W/13	SE	SPECI	QUARTZITE (?) W/10-20% PYR, ALSO T.S., SUNRISE
556	014N/019W/13	SE	CHIP	10IN.LR/AD, FLT ZNE W/QZ, MINR PYR, SUNRISE MINE
557	014N/019W/13	SE	CHIP	1FT FC/AD,GN/DIAB CONTACT,W/CALC STRINGER, SUNRISE
558	014N/019W/13	SE	CHIP	30IN. BK/AD, V ALT GN, SUNRISE
559	014N/019W/13	SE	CHIP	12IN. RR/AD,1IN. FLT IN GN,MINR HEM, SUNRISE
560	014N/019W/13	SE	CHIP	42IN BK/AD, SHR GN, BRECC, CHLORITIZED, SUNRISE
561	014N/019W/13	SE	CHIP	18IN. BK/AD, FLT GOUGE ZNE IN GN, SUNRISE
562	014N/019W/13	SE	CHIP	18IN. LR/AD, PEG POD IN BRECC GN, SUNRISE
563	014N/019W/13	SE	CHIP	12IN. RR/AD, FLT GOUGE ZNE IN GN,MINR HEM, SUNRISE
564	014N/019W/13	SE	CHIP	12IN. LR/AD, GN/ODIAB FLT CONT, SUNRISE
565	014N/019W/13	SE	CHIP	12IN, FC/AD, 2IN. FLT GOUGE IN GN, SUNRISE
566	014N/019W/13	SE	CHIP	2.5FT PT/OC, QV S64E 69S, SUNRISE MINE
567	014N/019W/13	SE	CHIP	7IN. PT, V FRAC QV N85E 85S, FE STN, SUNRISE
568	014N/019W/13	SE	CHIP	24IN. FC/AD, QZ-RICH GN/BRECC GN CONTACT, SUNRISE
569	014N/019W/13	SE	CHIP	22IN. NR/AD, V FRAC & ALT GN, MINR FE, SUNRISE
570	014N/019W/13	SE	CHIP	41IN. LR/OP/AD, QV N75W 80SE, SUNRISE MINE
571	014N/019W/13	SE	CHIP	6IN. OP/AD, MASS QZ V FRAC ABD FE STN, SUNRISE
572	014N/019W/13	SE	GRAB	DP SEL, HI GRADE QV W/SOME SULF, SUNRISE MINE AREA
573	014N/019W/13	SE	CHIP	8IN.PORT/AD(SA 574),FLT ZNE W/QV N25W 78S,SUNRISE
573R			CHIP	TSL REANALYSIS OF 573, (XPK-003188)
574	014N/019W/13	SE	CHIP	14IN.PORT/AD(SA 573), FLT ZNE IN GN, SUNRISE
575	014N/019W/13	SE	CHIP	4IN.BK/AD, QV IN SHR ZNE, LIM/PYR, SUNRISE MINE
576	014N/019W/13	SE	CHIP	19IN.BK/AD, SHR ZNE W/QV, GAL/PYR, SUNRISE MINE
576R			CHIP	TSL REANALYSIS OF 576, (XPK-003193)
577	014N/019W/13	SE	CHIP	5IN.BK/AD, QV W/GAL, LIM/HEM STN, SUNRISE MINE
577R			CHIP	TSL REANALYSIS OF 577, (XPK-003198)
578	014N/019W/13	SE	CHIP	6IN.FC/AD, SHR ZNE W/QV, MALA/HEM/LIM STN, SUNRISE
579	014N/019W/13	SE	CHIP	4IN.OP, QV IN FLT ZNE, ABD HEM STN, SUNRISE MINE
580	014N/019W/13	SE	SPECI	PT DP SEL, QV, SUNRISE MINE AREA
581	014N/019W/13	SE	CHIP	5IN.LR/AD, QV IN FLT ZNE, ABD HEM STN, SUNRISE
582	014N/019W/13	SE	CHIP	5IN.LR/AD, QV IN FLT ZNE,HI GRADE/20% GAL, SUNRISE
583	014N/019W/13	SE	CHIP	30IN.BK/AD, FLT ZNE, (SA 582), SUNRISE MINE
584	014N/019W/13	SE	CHIP	5IN.LR/AD, QV IN FLT ZNE, ABD HEM, GAL, SUNRISE
584R			CHIP	TSL REANALYSIS OF 584, (XPK-003276)
585	014N/019W/13	SE	CHIP	4IN.LR@BK/AD, QV IN FLT ZNE N28W 62W, SUNRISE MINE
586	014N/018W/18	SW	CHIP	14IN.PT, FLT GOUGE W/QV, SCHIST/GRGN, MINR CPY/GAL
587	014N/018W/18	SW	CHIP	16IN.PT, FLT GOUGE W/QV, SCHIST/GRGN, MINR CPY/GAL
588	014N/018W/18	SW	CHIP	3FT TR, QV IN GN, HEM STN, (SA 589)

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
589	014N/018W/18	SW	CHIP	3FT TR, QV IN GN, HEM STN, (SA 588)
590	014N/018W/18	SW	CHIP	2FT PORT/AD, QV/FLT IN GN, MINR GAL/CPY
591	014N/018W/18	SW	CHIP	2FT BK/AD, QV/FLT GOUGE, MINR GAL/CPY
592	014N/018W/18	SW	CHIP	30IN.BK/AD, QV/FLT GOUGE (SA 591)
593	014N/018W/18	SW	CHIP	2FT FC/AD
594	014N/018W/18	SW	CHIP	3FT TR, QV IN GOUGE/GRGN
595	014N/018W/18	SW	CHIP	3FT PORT/AD, QV, NO VIS MINL
596	014N/018W/18	SW	CHIP	1FT BK/AD, QV IN GRGN, V FRAC/GOUGE MATERIAL
597	014N/018W/18	SW	CHIP	2FT LR/AD, QV IN GRGN, V FRAC
598	014N/018W/18	SW	CHIP	5IN.LR/AD, DARK SILIC VN IN GRGN
599	014N/018W/18	SW	CHIP	1FT FC/AD, DIAB? DIKE IN GRGN
600	014N/018W/18	SW	CHIP	5IN.LR/AD, SHR ZNE IN GRGN
601	014N/018W/18	SW	CHIP	3FT FC/DR/AD, SHR ZNE IN GRGN
602	014N/018W/18	SW	CHIP	3IN.LR/AD, QV, NO VIS MINL
603	014N/018W/18	SW	CHIP	2FT RR/AD, STOPE, FLT, NO VIS MINL
604	014N/018W/18	SW	CHIP	2FT FC/AD, GRGN/SCHIST
605	014N/018W/17	SE	GRAB	SH DP SEL, DIABASE W/QZ
606	014N/018W/17	SE	CHIP	15IN.OC, FRAC ZNE W/DIAB & GN, MALA/HEM STN
607	014N/018W/17	SE	CHIP	3FT TR, FLT ZNE N38W 55N, ALT DIAB DIKE IN GN
608	014N/018W/17	SE	CHIP	1FT PT, FRAC ZNE N50W 51N, ALT GN, MALA/HEM STN
609	014N/018W/17	SE	CHIP	15IN.PT, SILICIFIED FRAC ZNE, MALA/HEM STN
610	014N/018W/17	SE	CHIP	18IN.PT(SA 611),FLT ZNE/QV N37W 80E, MALA/HEM STN
611	014N/018W/17	SE	CHIP	4IN.PT(SA 610), FRAC QV N37W 80E, MALA, HEM STN
612	014N/019W/21	SW	CHIP	37IN.PT, ALLUVIUM
613	014N/019W/21	SW	CHIP	19IN.TR, RHYOLITE, FRAC, FE STN
614	014N/019W/21	SW	CHIP	3FT RR/AD, ALLUVIUM, NO MINL
615	014N/019W/21	SW	CHIP	18IN.LR/DR/AD,ALLUVIUM/RHYOLITE CONT
616	014N/019W/23	NW	STSED	12IN.PN-CN, 1FT DEEP, (SA 617)
617	014N/019W/23	NW	STSED	GRAB/BULK, 1FT DEEP, (SA 616)
618	014N/019W/23	CTR	CHIP	15IN. RR/DR/AD, GN/DAC CONT
619	014N/019W/23	CTR	CHIP	2 FT LR/AD, GNEISS COUNTRY ROCK
620	014N/019W/23	CTR	CHIP	12IN. LR/AD, SHEARED GN
621	014N/019W/23	CTR	CHIP	15IN. AD, STOPE, GN/DAC FLT CONT
622	014N/019W/23	CTR	CHIP	40IN. LR/AD,GOUGE ZNE IN GN,CALC IN FRAC,MINR HEM
623	014N/019W/23	CTR	CHIP	1 FT RR/AD, GN/DIOR CONT, MINR HEM
624	014N/019W/23	CTR	GRAB	AD DP SEL, QV IN GN, MINR HEM/LIM
625	014N/019W/23	CTR	CHIP	2FT PORT/AD, GN/DIOR FLT CONT
626	014N/019W/23	NW	CHIP	12IN.LR/AD, FLT GOUGE IN GN
627	014N/019W/23	CTR	CHIP	9IN.RR/DR/AD, QZ-RICH ZNE AT FLT IN GN
628	014N/019W/23	CTR	CHIP	15IN.RR/AD, FLT GOUGE IN GN, MINR HEM/LIM STN
629	014N/019W/23	CTR	CHIP	4FT RR/AD, FRAC GN
630	014N/019W/23	CTR	CHIP	10IN.BK/AD, FLT ZNE IN GN
631	014N/019W/23	CTR	CHIP	31IN.LR/AD, 6IN.DIOR DIKE IN GN, LIM/HEM STN
632	014N/019W/23	NW	CHIP	3IN.BK/AD, FLT IN GN
633	014N/019W/23	NW	CHIP	8IN.BK/DR/AD, FLT GOUGE IN GN
634	014N/019W/24	NW	GRAB	PT DP SEL, GN W/CU MINL, R&R MINE
635	014N/019W/24	NW	CHIP	16IN.OC, 8IN.QV IN FLT GOUGE, R&R MINE
636	014N/019W/24	NW	SPECI	1.5FT RR/TR, QV IN FAULT ZONE, R&R MINE
637	014N/019W/24	NW	CHIP	2FT BK @ PORT/AD, FRAC ZNE, R&R MINE
638	014N/019W/24	NW	CHIP	2FT FC/AD, QV W/CALC, R&R MINE
639	014N/019W/24	NW	CHIP	2.5FT BK/AD, FRAC ZNE, R&R MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
640	014N/019W/24	NW	CHIP	32IN.SH, 10IN.QV IN GN FLT GOUGE, R&R MINE
641	014N/019W/24	NW	CHIP	6IN.PT, QV IN GRGN FLT GOUGE, R&R MINE
642	014N/019W/24	NW	CHIP	3FT LR/INSH, GN W/CHLORITE/PYR, R&R MINE
643	014N/019W/24	NW	CHIP	18IN.FC/DR/INSH, GN, NO VIS STRUCTURE, R&R MINE
644	014N/019W/24	NW	CHIP	2FT RR/INSH, FLT IN GN, R&R MINE
645	014N/019W/24	NW	CHIP	22IN.RR/DR/INSH,FLT ZNE/QZ-RICH POD IN GN,R&R MINE
646	014N/019W/24	NW	CHIP	1FT LR/DR/INSH, FLT ZNE IN GN, R&R MINE
647	014N/019W/24	NW	CHIP	28IN.RR/DR/INSH,FLT ZNE IN GN,NO VIS MINL,R&R MINE
648	014N/019W/24	NW	CHIP	12IN.RR/DR/INSH,FLT ZNE IN SILIC/AMPHIB IN GN,R&R
649	014N/019W/24	NW	CHIP	13IN.LR/DR/SH,FLT ZNE IN AMPHIB/GN,NO VIS MINL,R&R
650	014N/019W/24	NESW	CHIP	20IN.DOZER CUT, QZ POD IN GNEISS
651	014N/019W/24	NESW	CHIP	25IN.PORT/AD, GNEISS
652	014N/019W/24	NESW	CHIP	BK/AD, GNEISS
653	014N/019W/24	NESW	CHIP	6IN.RR/AD, IRREGULAR CALCITE VEIN IN FRAC GN
654	014N/019W/24	NESW	CHIP	6IN.BK@LR/AD, FLT GOUGE, ABD CLAY, V FRIABLE
655	014N/019W/24	NESW	CHIP	5FT RR/AD, GNEISS NO MINERALIZATION NOTED
656	014N/019W/24	NESW	CHIP	13IN.RR/AD, QV IN GN N55E 65NW
657	014N/019W/24	NESW	CHIP	9IN.RR/AD, QV N55E 65NW, MINR MALA/GAL, HEM
658	014N/019W/24	NESW	CHIP	14IN.BK/AD, QV N55E 65NW, (SA 657)
659	014N/019W/24	NESW	CHIP	15IN.FC/AD, QV IN GNEISS, MINR PYR W/HEM STN
660	014N/019W/24	NESW	SPECI	DP SEL, PYR, HEM, MINR GAL, ADIT #2
660R			SPECI	TSL REANALYSIS OF 660, (XPK-002492)
661	014N/019W/24	NESW	CHIP	38IN. BK@PORT/XC/AD, SHR IN GN, ADIT #2
662	014N/019W/24	NESW	CHIP	6IN. LR@PORT/AD, QV N55W 57NE, ADIT #2
663	014N/019W/24	NESW	CHIP	8IN. SR/AD, QV W/SPAR GAL,PYR, ADIT #2
663R			CHIP	TSL REANALYSIS OF 663, (XPK-002491)
664	014N/019W/24	NESW	CHIP	22IN. RR/AD, QV N85W 39N W/MINR HEM, ADIT #2
665	014N/019W/24	NESW	CHIP	32IN. SR/INSH, QV N45E 42NW, ADJ TO ADIT #2
666	014N/019W/24	NESW	CHIP	34IN. LR/AD, MASS QV, ADIT #2
667	014N/019W/24	NESW	CHIP	24IN.LR/AD, QV N35E 43NW W/MINR PYR,GAL,HEM,ADIT#2
668	014N/019W/24	NESW	CHIP	2FT LR/AD, QV W/GAL,PYR,HEM,CPY?, ADIT #2
668R			CHIP	TSL REANALYSIS OF 668, (XPK-002489)
669	014N/019W/24	NESW	CHIP	15IN.LR/AD, QV S32W 36W W/MINR HEM,GAL,PYR, ADIT#2
670	014N/019W/24	NESW	CHIP	32IN. FC/DR/AD, FRAC IN GN N60E 46NW, ADIT #2
671	014N/019W/24	NESW	SPECI	DP SEL, ABD MALA STN, ADIT #3
672	014N/019W/24	NESW	SPECI	DP SEL, QZ & FLT GOUGE W/ABD MALA, ABV AD#3
673	014N/019W/24	NESW	CHIP	20IN. LR@PORT/AD, FLT ZNE & DIABASE, ADIT #3
674	014N/019W/24	NESW	CHIP	30IN. BK/AD, FLT ZNE & DIABASE, W/MASS QZ, ADIT #3
675	014N/019W/24	NESW	CHIP	22IN. RR/AD@DR,FLT ZNE N45E 43NW, MINR MALA, AD #3
676	014N/019W/24	NESW	CHIP	18IN. FC/AD,FLT ZNE N55E 55NW, MINR PYR,GAL, AD #3
676R			CHIP	TSL REANALYSIS OF 676, (XPK-002496)
677	014N/019W/24	NESW	CHIP	51IN. FC/PT, FLT ZNE N40E 27SE, ABV ADIT #3
678	014N/019W/24	NWSE	STSED	PN-CN, (SA 679)
679	014N/019W/24	NWSE	STSED	GRAB/BULK, (SA 678)
680	014N/019W/24	NE	CHIP	24IN.TR, .5IN.QV IN GN, NO VIS MINL
681	014N/019W/24	NE	CHIP	4IN.TR, 2IN.QV IN GN, NO VIS MINL
682	014N/019W/24	NE	CHIP	2FT BK/AD, .5IN.QV IN GN, NO VIS MINL
683	014N/019W/24	NE	GRAB	TR SP SEL, QZ, NO VIS MINL
684	014N/019W/24	NE	CHIP	2FT TR, GN/DIKE CONT, NO VIS MINL
685	014N/019W/24	NE	GRAB	PT DP SEL, QZ W/MINR GAL, PYR
686	014N/019W/24	NE	CHIP	18IN.PT, .5IN.QZ STRING, GN/DIOR CONT, NO VIS MINL

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
687	014N/019W/24	NE	CHIP	15IN.PT, 6IN.QV IN DIOR, NO VIS MINL
688	014N/019W/24	NE	GRAB	PT SEL, SML QZ PILE NEAR PT,MINR MALA/SULF BOXWORK
689	014N/019W/24	NE	CHIP	1FT PT, 4IN.QV IN GN, NO VIS MINL
690	014N/019W/24	NE	GRAB	PT DP SEL, QV ON DP, NO VIS MINL
691	014N/018W/19	SW	CHIP	12IN.RR/AD, FLT GOUGE IN GN, OSIRIS CLAIM
692	014N/018W/19	SW	CHIP	8IN.RR/AD, AMPHIB/QZ-RICH POD CONT, OSIRIS CLAIM
693	014N/018W/19	SW	CHIP	5IN.RR@BK/AD, SHR ZNE IN GN, MINR QZ, OSIRIS CLAIM
694	014N/018W/19	SW	CHIP	5FT LR/AD, GN/DIOR FLT CONT, OSIRIS CLAIM
695	014N/018W/19	SW	CHIP	36IN.LR/AD, DIOR/GN CONT, NO VIS MINL, OSIRIS
696	014N/018W/19	SW	CHIP	2FT RR/AD, DIOR/GN CONT, NO VIS MINL, OSIRIS
697	014N/018W/19	SW	CHIP	SEL BK/AD, CHLORITIZED FLT ZNE IN GN, MINR QZ/PYR
698	014N/018W/19	SW	CHIP	28IN.BK/AD, FLT GOUGE IN GN, OSIRIS CLAIM
699	014N/018W/19	SW	CHIP	12IN.FC/DR/AD, FLT IN AMPHIB, NO VIS MINL, OSIRIS
700	014N/018W/19	SW	CHIP	32IN.BK/AD, FLT GOUGE, OSIRIS CLAIM
701	014N/018W/19	SW	CHIP	3FT BK/AD, FLT IN DIOR, OSIRIS CLAIM
702	014N/018W/19	SW	CHIP	30IN.LR/AD, GN/DIOR FLT CONT, OSIRIS CLAIM
703	014N/018W/19	SW	CHIP	40IN.BK/AD, FLT GOUGE IN DIOR, OSIRIS CLAIM
704	014N/018W/19	SW	CHIP	43IN.BK/AD,FLT GOUGE IN GN, MINR PYR, OSIRIS CLAIM
705	014N/018W/19	SW	CHIP	28IN.BK/AD, FLT GOUGE IN GN, OSIRIS CLAIM
706	014N/018W/19	SW	CHIP	2FT RR/AD, GN/DACITE GOUGE ZNE, OSIRIS CLAIM
707	014N/018W/19	SW	CHIP	4.5FT FC/AD, FLT ZNE IN GN, OSIRIS CLAIM
708	014N/018W/19	SW	CHIP	16IN.LR/AD, FLT ZNE W/DACITE/DIOR, OSIRIS CLAIM
709	014N/018W/19	SW	CHIP	18IN.FC/DR/AD, DACITE/DIOR CONT ZNE, OSIRIS CLAIM
710	014N/018W/19	SW	CHIP	16IN.LR/AD, V FRAC DACITE, OSIRIS CLAIM
711	014N/018W/19	SW	CHIP	16IN.RR/AD, DACITE/AMPHIB FLT CONT, OSIRIS CLAIM
712	014N/018W/19	SW	CHIP	20IN.RR/AD, DACITE/AMPHIB FLT CONT, OSIRIS CLAIM
713	014N/018W/19	SW	CHIP	12IN.LR/AD,3IN.DIOR DIKE/DACITE,NO VIS MINL,OSIRIS
714	014N/018W/19	SW	CHIP	14IN.PT, FE STN/ALT RX
715	014N/018W/19	SW	CHIP	15IN.PT
716	014N/018W/19	SW	CHIP	13IN.PT, SHR ZNE
717	014N/018W/19	SW	GRAB	DP 6FT GRID, QZ W/FE & MINR CU STN
718	014N/018W/19	SW	GRAB	DP 6FT GRID,QZ W/ABD FE STN/SULF/MINR CU, RA CLAIM
719	014N/018W/19	SW	CHIP	24IN.AD, QV, PYR/FE STN, RA CLAIM
719R			CHIP	TSL REANALYSIS OF 719, (XPK-003360)
720	014N/018W/19	SW	CHIP	18IN.LR/DR/AD, QV W/FE & CU STN, PYR, RA CLAIM
721	014N/018W/19	SW	CHIP	24IN. RR/DR/AD, QV W/MUCH FE STN, PYR, RA CLAIM
722	014N/018W/19	SW	CHIP	12IN. RR/DR/AD, QV W/PYR, FE & CU STN, RA CLAIM
723	014N/018W/19	SW	CHIP	13IN.LR/AD, SHR ZNE, MASS QZ, GAL/FE STN, RA CLAIM
723R			CHIP	TSL REANALYSIS OF 723, (XPK-003359)
724	014N/018W/19	SW	CHIP	8IN.BK/AD, MASS QZ, FE STN, RA CLAIM
725	014N/018W/19	SW	CHIP	12IN.FC/AD,6IN.QV IN GN,MINR PYR/ABD LIM, L.MAUDE
726	014N/018W/19	NW	CHIP	16IN.PT, TWO 8IN.QV IN FLT GOUGE
727	014N/018W/19	NW	CHIP	14IN.PT, QV W/ABD FE STN
728	014N/018W/19	NW	CHIP	24IN.PT
729	014N/018W/19	NW	CHIP	12IN.PT
730	014N/018W/19	NW	CHIP	6IN.PT, QV, FE STN
731	014N/018W/19	NW	CHIP	6IN.PT, QV W/ABD FE STN, MINR CU/CARBONATE
731R			CHIP	TSL REANALYSIS OF 731, (XPK-003315)
732	014N/018W/19	NW	CHIP	1.8FT PT, QV IN AMPHIB?
733	014N/018W/19	NW	CHIP	7IN.PT, FRAC QV
734	014N/018W/19	NW	CHIP	2.3FT PT, QV IN AMPHIB?

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
735	014N/018W/19	NW	CHIP	14IN.PT, MASS QZ IN GN, ABD LIM
736	014N/018W/19	NW	CHIP	8IN.PT, QV IN AMPHIB?
737	014N/018W/19	NW	CHIP	6IN.PT, QV IN AMPHIB?, FE STN
738	014N/018W/19	NW	CHIP	8IN.PT, FRAC QV, FE STN, MINR CU STN
739	014N/018W/19	NW	CHIP	8IN.PT, QV W/FE & CU STN (SA 738)
740	014N/018W/19	NW	GRAB	DP SEL, QZ W/ABD CU STN
741	014N/018W/19	NW	CHIP	14IN.PT, QZ W/ABD FE STN
742	014N/018W/19	NW	CHIP	18IN.PT, QV IN FLT GOUGE, HEM/CU STN
743	014N/018W/19	NW	CHIP	8IN.PT, QV, HEM/LIM STN
744	014N/018W/19	NW	CHIP	4IN.PT, QZ/SCHIST GOUGE, LIM STN
745	014N/018W/19	NE	GRAB	AD DP 6FT GRID, QZ/GN/SCHIST
746	014N/018W/19	NE	GRAB	DP 6FT GRID, QZ/PYR/SOME CU
747	014N/018W/19	NW	GRAB	DP 6 FT GRID, MINOR QZ
748	014N/018W/19	NW	CHIP	BK/AD, QV IN V FRAC,FAULTED,ALTERED ZONE
749	014N/018W/19	NE	CHIP	BK/AD, FAULT W/ QZ STRINGER, SOME FE STAIN
750	014N/018W/19	NW	CHIP	BK/AD, FAULT GOUGE W/1 IN. QZ STRINGER & LIM STN
751	014N/018W/19	NE	CHIP	4 FT BK/AD, QV & FAULT GOUGE
752	014N/018W/19	NW	CHIP	33 IN. BK/AD, 7 IN. QV, ALTERED FAULT GOUGE
753	014N/018W/19	NE	CHIP	2 FT BK/AD, FAULT W/ QZ STFINGERS
754	014N/018W/19	NE	CHIP	6IN.BK/AD, SHR ZNE, QZ STRINGERS/PYR/LIM STN
755	014N/018W/19	NW	CHIP	14 IN. BK/AD, V FRAC, FLT GOUGE, LIM STN
756	014N/018W/19	NE	CHIP	28IN.BK/AD, V FRAC IG RX, FE STN
757	014N/018W/19	NE	GRAB	AD DP SEL, QV W/LIM STN/PYR, LITTLE MAUD PROSPECTS
758	014N/018W/19	NE	CHIP	42IN.PORT/AD, 9.5IN.QV IN GN/SHR ZNE, LITTLE MAUD
759	014N/018W/19	NE	CHIP	58IN.BK/AD, QV/DIOR IN SHR ZNE, LITTLE MAUD
760	014N/018W/19	NE	CHIP	48IN.BK/AD, 16IN.QV/DACITE IN FLT GOUGE, L.MAUD
761	014N/018W/19	NE	CHIP	16IN.WZ/AD, QV IN GN, GAL/PYR/CPY/LIM/HEM, L.MAUD
762	014N/018W/19	NE	CHIP	12IN.WZ/AD,FLT GOUGE IN GN ADJ QV,HEM/LIM,L. MAUD
763	014N/018W/19	NE	CHIP	SEL/ Z/AD, SULF POD IN QV, GAL/PYR/CPY/LIM,L.MAUD
764	014N/018W/19	NE	CHIP	16IN.BK/AD,FLT GOUGE IN GN,GAL/ABD CU STN, L.MAUD
765	014N/018W/19	NE	CHIP	3FT BK/AD, FLT GOUGE IN GN, SPAR CU STN, L.MAUD
766	014N/018W/19	NE	CHIP	36IN.BK/AD, FLT ZNE IN GN, NO VIS MINL, L.MAUD
767	014N/018W/19	NE	CHIP	8IN.BK/AD, 4IN.QV IN GN/DACITE FLT CONT, L.MAUD
768	014N/018W/19	NE	CHIP	40IN.BK/AD, DACITE, NO VIS MINL, LITTLE MAUD
769	014N/018W/19	NE	CHIP	12IN.BK/AD, FLT ZNE IN GN, LITTLE MAUD
770	014N/018W/20	NW	CHIP	5IN.PT, QV W/PYR/MINR CU/LIM STN
771	014N/018W/20	NW	CHIP	9IN.PT, MASS QV IN GN
772	014N/018W/20	NW	CHIP	8 IN.PT, LIM VEIN, ALTERED, SOLUTION CAVITIES
773	014N/018W/20	NW	CHIP	18IN. PT, QV N5E 38-55W, (SA 774, 775)
774	014N/018W/20	NW	SPECI	PT SP SEL, BULK QZ, (SA 773, 775)
775	014N/018W/20	NW	CHIP	6IN. PT, QV IN GN, (SA 773, 774)
776	014N/018W/21	NW	GRAB	PT DP SEL, VUGGY QZ W/PYR/CPY/MALA/CALC/HEM STN
777	014N/018W/21	NW	CHIP	22IN.PT,SHR ZNE,VUGGY QZ W/CALC,IN GRGN, DIAB INTR
778	014N/018W/21	NW	CHIP	4FT PT, FRAC QZ/CALC VN, HEM/LIM/CPY/MALA
779	014N/018W/21	NW	GRAB	PT DP SEL,(SA 778), QZ/CALC/CPY/MALA/CHALCOCITE
780	014N/018W/21	SW	GRAB	AD DP SEL, VUGGY QV W/ABD HEM/LIM STN, PYR
781	014N/018W/21	SW	CHIP	24IN.LR/AD, QV IN GN, JUPITER E
782	014N/018W/21	SW	CHIP	BK/AD, GRGN, HEM/LIM/MALA/CALC/PYR
783	014N/018W/21	SW	CHIP	5FT BK/AD, GRGN, MALA/CALC STRING
784	014N/018W/21	SW	CHIP	3FT LR/AD, FRAC ZNE, GN, ABD HEM/LIM, QZ
785	014N/018W/21	SW	CHIP	5FT FC/AD,FRAC ZNE,GRGN,QZ,HEM/LIM/PYR

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
786	014N/018W/21	SW	GRAB	SH DP 5FT GRID, GRGN W/SPAR CU, LIM, JUPITER E
787	014N/018W/21	SW	GRAB	SH DP SEL, (SA 786), JUPITER E
788	014N/018W/21	SW	CHIP	3FT OC/PT, GRGN, MALA/HEM STN, JUPITER E
789	014N/018W/21	SW	CHIP	36IN. PT, GRGN W/CPY/MALA/HEM, JUPITER E
790	014N/018W/21	SW	CHIP	28IN. PT, MALA/CPY/HEM, JUPITER E
791	014N/018W/21	SW	CHIP	3.5FT BK/AD, FRAC ZNE IN GN, MALA/PYR/HEM/CPY/CALC
792	014N/018W/21	SW	CHIP	4FT BK/AD, V FRAC ZNE IN GN, CALC COATINGS
793	014N/018W/21	SW	CHIP	16IN.RR/AD, 12IN.CALC POD IN GN, FRAC ZNE,CPY/MALA
794	014N/018W/21	SW	CHIP	4FT LR/AD, FRAC IN GN, CALC VLETS
795	014N/018W/21	SW	CHIP	4FT RR/AD, FRAC GN, CALC VLETS, HEM/LIM STN
796	014N/018W/21	SW	CHIP	16IN.FC/AD,FLT,MALA/HEM/DISS PYR & CPY, JUPITER E
797	014N/018W/21	SW	CHIP	5FT TR/OC, FRAC ZNE W/QZ/CALC/SULF, JUPITER E
798	014N/018W/21	SW	GRAB	TR (SA 797) DP, JUPITER E
799	014N/018W/21	SW	CHIP	4FT PT, FRAC W/QZ/CALC/SULF/LIM/HEM, JUPITER E
800	014N/018W/21	SW	GRAB	TR DP SEL, (SA 799) JUPITER E
801	014N/018W/21	SW	CHIP	13IN. PT, GNEISS, JUPITER E
802	014N/018W/21	SW	GRAB	FT DP SEL, JUPITER E
803	014N/018W/21	SW	GRAB	PT DP SEL, CALC/PYR/CPY/MALA/HEM, JUPITER E
804	014N/018W/21	SW	CHIP	27IN. PT,4IN. SILICIFIED ZNE,CALC/MALA/HEM, JUPT E
805	014N/018W/21	SW	CHIP	4FT LR@FC/AD, FRAC ZNE W/CALC/HEM/LIM, JUPITER E
806	014N/018W/21	SW	CHIP	3FT RR/AD,DIOR W/1IN. CALC VN,LIM/MALA,JUPITER E
807	014N/018W/21	SW	CHIP	4FT RR/AD, GN W/1IN. CALC VN, CPY/LIM, JUPITER E
808	014N/018W/21	SW	CHIP	46IN. PT, JUPITER E
809	014N/018W/21	SW	GRAB	AD DP SEL, CU/LIM/HEM STN, JUPITER E
810	014N/018W/21	SW	GRAB	AD DP 5FT GRID, SOME CU STN, JUPITER E
811	014N/018W/21	SW	CHIP	5FT PT, FRAC W/QV & CALC, CU/LIM/HEM STN, JUPT E
812	014N/018W/21	SW	GRAB	PT DP SEL, QV W/CALC, CU/LIM/HEM STN JUPITER E
813	014N/018W/21	SW	GRAB	TR DP SEL, CPY/MALA/QZ/CALC, JUPITER E
814	014N/018W/21	SW	CHIP	7FT TR/OC, FRAC ZNE W/QZ/CALC/SULF, JUPITER E
815	014N/018W/21	SW	CHIP	28IN. BK/AD , SHR ZNE, QZ, MALA, JUPITER E
816	014N/018W/21	SW	CHIP	2FT VN/OC, QZ/CALC, LIM/CU STN, JUPITER E
817	014N/018W/21	SW	GRAB	DP 2FT GRID, IN WASH , JUPITER E
818	014N/018W/21	SW	GRAB	PT DP SEL, HI GRD, MASS QZ, JUPITER E
819	014N/018W/21	SW	GRAB	PT DP GRID, JUPITER E
820	014N/018W/21	SW	CHIP	15IN. PT/OC, SLICKS N30E 64E, JUPITER E
821	014N/018W/21	SW	CHIP	2FT OC BLW SH, GN W/LIM/HEM STN, JUPITER EAST
822	014N/018W/21	SW	CHIP	48IN. PT/OC, NO MINERALIZATION, JUPITER E
823	014N/018W/20	SW	GRAB	DP 6 FT GRID, EVELYN MINE
824	014N/018W/20	SW	GRAB	PT DP 6 FT GRID, EVELYN MINE
825	014N/018W/20	SW	GRAB	PT DP 6 FT GRID, EVELYN MINE
826	014N/018W/20	SW	GRAB	DP 6 FT GRID, EVELYN MINE
827	014N/018W/20	SW	GRAB	SH DP RAND, (SA 828), EVELYN MINE
828	014N/018W/20	SW	GRAB	SH DP 6 FT GRID, (SA 827), EVELYN MINE
829	014N/018W/20	SW	GRAB	DP 6 FT GRID, EVELYN MINE
830	014N/018W/20	SW	CHIP	3 FT BK/AD, QV, EVELYN MINE
831	014N/018W/20	SW	CHIP	22IN. BK/AD,SHR ZNE W/8IN. QV, N3E 90, EVELYN MINE
832	014N/018W/20	SW	CHIP	6 IN. RR/AD, SHR ZNE, V FRAC, ALT, LIM, EVELYN
833	014N/018W/20	SW	GRAB	DP, 6 FT GRID, EVELYN MINE
834	014N/018W/20	SW	GRAB	DP GRID, EVELYN MINE
835	014N/018W/20	SW	CHIP	6 IN. BK/AD, QV W/ GAL & LIM, EVELYN MINE
836	014N/018W/20	SW	CHIP	3 FT BK/AD, SHR ZNE, EVELYN MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
837	014N/018W/20	SW	CHIP	2 FT BK/AD, W/1 FT QV, N10E VERT DIP, EVELYN MINE
838	014N/018W/20	SW	CHIP	BK/AD,SPOT CHIP IN AREAS OF BLUE FLUOR,EVELYN MINE
838R			CHIP	TSL REANALYSIS OF 838, (XPK-003420)
839	014N/018W/20	SW	CHIP	22 IN. BK/AD, QV, N14E 76E, HEM, EVELYN MINE
840	014N/018W/20	SW	CHIP	22 IN. BK/AD, GV W/ FE STN, EVELYN MINE
841	014N/018W/20	SW	SPECI	RR/INSH, ACROSS QZ POD IN FLT GOUGE (SA 843)
842	014N/018W/20	SW	GRAB	INSH DP SEL
843	014N/018W/20	SW	CHIP	18IN.RR/INSH, FLT GOUGE IN GN W/QZ PODS
844	014N/018W/20	SW	CHIP	28IN.LR/INSH, FLT GOUGE, CALC STRING
845	014N/018W/20	SW	CHIP	4FT RR/INSH, FLT GOUGE W/DIAB?
846	014N/018W/20	SW	CHIP	4FT RR/INSH, QV IN SHR ZNE, HEM STN, JUPITER
847	014N/018W/20	SW	CHIP	4FT LR/INSH, GOUGE ZNE W/GV, HEM/CPY, JUPITER
848	014N/018W/20	SW	SPECI	6IN. LR/INSH, QV IN GOUGE ZNE (SA 847), JUPITER
848R			SPECI	TSL REANALYSIS OF 848, (XPK-002816)
849	014N/018W/19	E CTR	GRAB	HI GRADE ORE PILE, JUPITER SPRG MILL SITE
850	014N/018W/19	E CTR	GRAB	GRID, ORE PILE (SA 849), JUPITER SPRING MILL
851	014N/018W/20	SW	CHIP	3FT PT, FRAC ZNE IN GRGN,THN QZ VLETS,CALC/HEM/GAL
852	014N/018W/20	SW	CHIP	5FT PT, GRGN, NO VIS MINL
853	014N/018W/20	SW	CHIP	34IN.PT, SHR DIAB, NO VIS MINL
854	014N/018W/20	SW	CHIP	26IN. TR, QV, JUPITER GP
855	014N/018W/20	SW	GRAB	PT DP, MASS QZ W/MINR GAL & FE STN, JUPITER GP
856	014N/018W/20	SW	GRAB	PT DP, MASS QZ W/MINR GAL & FE STN, JUPITER GP
857	014N/018W/20	SW	CHIP	2FT TR, 15IN. QV, N12E 73E, JUPITER GP
858	014N/018W/20	SW	GRAB	PT DP, MASS QZ W/MINR GAL & FE STN, JUPITER GP
859	014N/018W/20	SW	GRAB	PT DP, MASS QZ W/MINR GAL & FE STN, JUPITER GP
860	014N/018W/20	SW	CHIP	1FT PORT/AD,3IN. QV,PYR,GAL,CU/LIM/FE STN,JUPT GP
861	014N/018W/20	SW	CHIP	1.5FT RR/AD, 6IN. QV, HEM STN, JUPITER GP
862	014N/018W/20	SW	CHIP	1FT BK@FC/AD, 5IN. QV, CU STN, JUPITER GP
863	014N/018W/20	SW	CHIP	3FT BK/AD, GNEISS, JUPITER GP
864	014N/018W/20	SW	CHIP	1FT FC/AD, 6IN.GV IN GN, JUPITER GRP
865	014N/018W/20	SW	CHIP	18IN.LR/AD, 6IN.GV IN GN, JUPITER GRP
866	014N/018W/20	SW	CHIP	18IN. LR/AD, 4.5IN. QV, S37W 83E, JUPITER GP
867	014N/018W/20	SW	CHIP	16IN. RR/AD, 4IN. QV, S45W 62S, JUPITER GP
868	014N/018W/20	SW	GRAB	PT DP, MASS QZ W/MINR GAL & FE STN, JUPITER GP
869	014N/018W/20	SW	GRAB	PT DP, MASS QZ W/MINR GAL & FE STN, JUPITER GP
870	014N/018W/20	SW	GRAB	TR DP 2FT GRID, QZ IN SCHIST, JUPITER GRP
871	014N/018W/20	SW	GRAB	AD DP GRID, DIABASE/SCHIST W/QZ, FE STN, JUPT GRP
872	014N/018W/20	SW	CHIP	2FT FC/AD, QV IN GRGN, N10E 74E, JUPITER GRP
873	014N/018W/20	SW	CHIP	18IN.PT, GR/SCHIST CONTACT, JUPITER GRP
874	014N/018W/20	SW	CHIP	53IN.TR, GV W/LIM/HEM/PYR, JUPITER GRP
875	014N/018W/20	SW	CHIP	14IN.SH, QV, N5E 50E, JUPITER GRP
876	014N/018W/20	SW	CHIP	15IN.SH, QV, N22E 50E, JUPITER GRP
877	014N/018W/20	SW	CHIP	2.5FT LR/AD, 5FT QV, FRAC W/HEM STN, JUPITER GP
878	NO SAMPLE			
879	014N/018W/20	SW	CHIP	AD, 6IN. QV IN AMPHIBOLE, LIM/HEM STN, JUPITER GP
880	014N/018W/20	SW	CHIP	2FT AD, W/2 & 4IN. GV, HEM, GAL, PYR, JUPITER GP
881	014N/018W/20	SW	CHIP	2.5FT AD, FRAC ZNE W/7IN. QV, HEM STN, JUPITER GP
882	014N/018W/20	SW	CHIP	3FT LR/AD, 3-5IN. QV IN GN, HEM, JUPITER GP
883	014N/018W/20	SW	CHIP	31.5IN. BK/AD, THIN QZ VLETS, JUPITER GP
884	014N/018W/20	SW	CHIP	2.5FT FC/AD,2IN. GV,THIN CARBONATE STRINGERS
885	014N/018W/20	SW	CHIP	4FT BK/AD, SHR W/SPAR SULF, LIM/HEM STN, JUPITER

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
886	014N/018W/20	SW	CHIP	4FT BK/AD, SHR ZNE, LIM/HEM STN,CALC VLETS, JUP GP
887	014N/018W/20	SW	CHIP	33IN. BK/AD, SHR ZNE, LIM/HEM STN,CALC, JUPITER GP
888	014N/018W/20	SW	CHIP	3FT BK/AD, SHR ZNE, HEM, CALC COAT, JUPITER GP
889	014N/018W/20	SW	CHIP	3FT BK/AD, 6IN. VEIN (FELD?), CALC POD, JUPTER GP
890	014N/018W/20	SW	CHIP	4FT, DIOR/GR CONTACT, JUPITER GP
891	014N/018W/20	SW	CHIP	3FT BK/AD, JUPITER GP
892	014N/018W/20	SW	CHIP	3.5FT BK/AD, FLT GOUGE, HEM STN, JUPITER GP
893	014N/018W/20	SW	CHIP	4FT BK/AD, DIOR/GR CONTACT, JUPITER GP
894	014N/018W/20	SW	CHIP	3.5FT BK/AD, GN W/QZ & FELD PDS/VLET, JUPITER GP
895	014N/018W/20	SW	CHIP	3FT BK/AD, GN W/ QZ & FELD PDS/VLETS, JUPITER GP
896	014N/018W/20	SW	CHIP	3FT BK/AD, DIOR W/ GR PDS/VLETS, JUPITER GP
897	014N/018W/20	SW	CHIP	4FT FC/AD, GR/DIOR, SPAR PYR & SULF, JUPITER GP
898	014N/018W/20	SW	CHIP	4FT BK/AD, DIOR W/GR PODS & VLETS, JUPITER GP
899	014N/018W/20	SW	CHIP	3FT BK/AD, WHITE MINL STREAKS/VLETS, JUPITER GP
900	014N/018W/20	SW	CHIP	1FT LR/AD, QZ/FELD/CALC VLETS, JUPITER GP
901	014N/018W/20	SW	CHIP	4FT FC/AD, WHITE MINL STREAKS/VLETS, JUPITER GP
902	014N/018W/20	SE	STSED	12IN.PN-CN, (SA 903) 1FT DEEP, NEAR JUPITER GP
903	014N/018W/20	SE	STSED	GRAB/BULK, (SA 902) 1FT DEEP, NEAR JUPITER GP
904	014N/018W/20	SE	STSED	12IN.PN-CN, (SA 905) 1.5FT DEEP
905	014N/018W/20	SE	STSED	GRAB/BULK, (SA 904) 1.5FT DEEP
906	014N/018W/29	NE	GRAB	SH DP HI GRD, FRAC ZNE, GRGN, MALA/HEM/LIM
907	014N/018W/29	NE	GRAB	SH DP GRID, GRGN SHR ZNE
908	014N/018W/29	NE	STSED	12IN.PN-CN, (SA 909) 2FT DEEP
909	014N/018W/29	NE	STSED	GRAB/BULK, (SA 908) 2FT DEEP
910	014N/018W/29	NW	CHIP	2FT TR, FRAC/CONT ZNE BTWN GN/BASIC INTR, CALC/HEM
911	014N/018W/30	NE	GRAB	DP GRID, UPPER SHAFT
912	014N/018W/30	NE	GRAB	DP HI GRD SEL, LOWER SHAFT
913	014N/018W/30	NE	CHIP	3FT BK/AD,FRAC ZNE IN GN,QZ VLETS,HEM/PYR
914	014N/018W/30	NE	GRAB	DP HI GRD SEL, UPPER SHAFT
915	014N/018W/30	NE	GRAB	DP GRID, LOWER SHAFT
916	014N/018W/30	NE	CHIP	2FT SH,FRAC ZNE IN GN W/QZ STRING,CALC/HEM
917	014N/018W/30	NE	GRAB	ORE PILE, UPPER HAULAGE LEVEL
918	014N/018W/30	NE	GRAB	DP 5FT GRID, UPPER HAULAGE LEVEL
919	014N/018W/30	NE	CHIP	3FT PORT/AD, GR INTR/GN CONT, HEM STN
920	014N/018W/30	NE	CHIP	3FT BK/AD, FRAC DACITE, CALC/HEM STN
921	014N/018W/30	NE	CHIP	3FT LR/AD, FRAC ZNE IN GN, PYR/HEM
922	014N/018W/30	NE	CHIP	26IN.BK/AD,STOPE,SHR IN GN,HEM/PYROLUCITE
923	014N/018W/30	NE	CHIP	9IN.BK/AD, STOPE, QV IN GN
924	014N/018W/30	NE	CHIP	3FT LR/AD, FRAC ZNE IN GRGN, HEM STN
925	014N/018W/30	NE	CHIP	3FT LR/AD, FRAC ZNE IN GN/SCHIST, HEM/PYR
926	014N/018W/30	NE	CHIP	3FT LR/AD, FRAC ZNE IN DACITE INTR, CALC
927	014N/018W/30	NE	CHIP	5FT LR/AD, FRAC,DACITE INTR,CALC/SPAR PYR/HEM
928	014N/018W/30	NE	CHIP	2.5FT RR/AD, FRAC ZNE,DACITE INTR/GN,HEM/CALC
929	014N/018W/30	NE	CHIP	5FT RR/AD, SHR ZNE IN DACITE, CALC/HEM/PYR
930	014N/018W/30	NE	CHIP	17IN.LR/AD, FRAC ZNE IN GN
931	014N/018W/30	NE	CHIP	10IN.BK/AD, QZ STRING IN GN, PYR
932	014N/018W/30	NE	CHIP	9IN.BK/AD, 2IN.QV IN GN
933	014N/018W/30	NE	CHIP	1FT LR/DR/AD, GRGN W/MINR PYR
934	014N/018W/30	NE	CHIP	2.5FT BK/DR/AD, FRAC ZNE IN GN
935	014N/018W/30	NE	CHIP	3FT LR/AD, FRAC ZNE IN GN, PYR/CALC/HEM
936	014N/018W/30	NE	CHIP	30IN.FC/AD, SHR GN, PYR/CALC/HEM

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
937	014N/018W/30	NE	GRAB	DP 5FT GRID, MAIN HAULAGE LEVEL
938	014N/018W/30	NE	GRAB	SILT/POWDER FR THICKENER TANK
939	014N/018W/30	NE	STSED	12IN.PN-CN, (SA 940) 6IN. DEEP
940	014N/018W/30	NE	STSED	GRAB/BULK, (SA 939) 6IN. DEEP
941	014N/018W/30	SE	GRAB	DP RAND, NO VIS MINL
942	014N/018W/30	SE	CHIP	3IN.BK/AD, SHR ZNE, FE STN
943	014N/018W/30	SE	CHIP	BK/AD, SHR ZNE, FE STN
944	014N/018W/30	SE	CHIP	17IN.LR/AD, SHR ZNE, ABD FE STN
945	014N/018W/30	SE	GRAB	DP 6FT GRID, GN, QZ, FE STN
946	014N/018W/30	SE	GRAB	DP 6FT GRID, GN QZ, FE STN
947	014N/018W/30	NW	GRAB	SH DP 6FT GRID
948	014N/018W/30	NW	GRAB	SH DP 6FT GRID
949	014N/018W/30	NW	CHIP	24IN.TR, QV IN AMPHIB?
950	014N/018W/30	NW	CHIP	12IN.TR, QV
951	014N/018W/30	NW	CHIP	20IN. RIB/AD, GV W/ABD FE STN
952	014N/018W/30	NW	GRAB	DP RAND, QZ W/FE & CU STN
953	014N/019W/25	NE	CHIP	12IN.SR/AD, LIM STN ON HOST RX
954	014N/019W/25	NE	GRAB	AD DP 6FT GRID
955	014N/019W/25	NE	GRAB	AD DP SEL, QZ W/FE STN/PYR
956	014N/019W/25	NE	GRAB	SH DP RAND, ALT SCHIST/GN, FE STN
957	014N/019W/25	NE	CHIP	8IN.FC/AD, V ALT SCHIST & GR RX, FE STN
958	014N/019W/25	NE	CHIP	2FT PT
959	014N/019W/25	NE	CHIP	6IN.RR/AD, ALT GR RX, FE STN
960	014N/019W/25	NE	CHIP	8IN.WR/AD, FRAC/ALT GR RX
961	014N/019W/25	NE	CHIP	3FT PT, FLT ZNE
962	014N/019W/25	NE	GRAB	PT DP RAND, QV
963	014N/019W/25	NW	CHIP	3IN.BK/AD, FLT ZNE, FE STN
964	014N/019W/25	NW	CHIP	3IN.BK/AD, FLT ZNE, ALT GN, FE STN
965	014N/019W/25	NW	CHIP	BK/AD, FE STN GN IN FLT ZNE
966	014N/019W/25	NW	GRAB	PT DP 6FT GRID
967	014N/019W/25	NW	CHIP	3IN.PT
968	014N/019W/25	NW	GRAB	PT DP 6FT GRID
969	014N/019W/25	NW	CHIP	8IN.PT, GN/INTR CONT
970	014N/019W/26	SE	STSED	END OF RD PAST PITTS MINE, NO OBVIOUS BLACK SANDS
971	014N/019W/26	SW	STSED	NE OF PITTS MINE, NO VIS BLACK SANDS
972	014N/019W/27	SE	CHIP	40IN.PT, DACITE W/HEM STN, PITTSBURG MINE
973	014N/019W/27	SE	CHIP	6IN.PT,FRAC ZNE IN DACITE, HEM STN, PITTSBURG AREA
974	014N/019W/27	SE	CHIP	26IN. PT, FLT GOUGE IN GN NEAR DIOR CONT
975	014N/019W/27	SE	CHIP	26IN. PT, FLT GOUGE IN GN/DIOR CONT
976	014N/019W/27	SE	GRAB	DP SEL, GN W/GAL, PYR, MALA, BOXWORK
977	014N/019W/27	SE	CHIP	20IN. PT, 4IN. FLT IN GN, HEM, LIM
978	NO SAMPLE			
979	014N/019W/27	SE	CHIP	4 FT SH, GN AT DIOR CONT, MINR SULF, PITTSBURG
980	014N/019W/27	SE	CHIP	4FT BK/AD,GN/DIOR FLT CONT,ABD CU/HEM STN,NE PITTS
981	014N/019W/27	SE	CHIP	14IN.PT, FLT GOUGE IN GN, PITTSBURG MINE
982	014N/019W/27	SE	CHIP	2FT PT, QV IN SHR/GN, PITTSBURG AREA
983	014N/019W/27	SE	CHIP	13IN.PT, 8IN.QV IN GN, PITTSBURG MINE
984	014N/019W/27	SE	CHIP	26IN.PT, FLT GOUGE IN DIOR, PITTSBURG MINE
985	014N/019W/27	SE	CHIP	3FT TR, FRAC AUGEN GN, PITTSBURG AREA
986	014N/019W/27	SE	CHIP	5IN. SH N. SIDE,FLT ZNE,QZ/FELD/LIM/HEM,PITTS MINE
987	014N/019W/27	SE	CHIP	5.5FT SH N. SIDE,FLT ZNE N45E 68NW,PITTSBURG MINE

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
988	014N/019W/27	SE	CHIP	33IN. PT (SA 989), FLT ZNE/GN, PITTSBURG MINE
989	014N/019W/27	SE	CHIP	3.5FT PT (SA 988), FLT ZNE/GN, PITTSBURG MINE
990	014N/019W/27	SE	CHIP	20IN. TR,FLT ZNE GN W/QZ/FELD/MALA/HEM, PITTS MINE
991	014N/019W/27	SE	CHIP	2FT SH, FLT ZNE W/QV/MALA/HEM/LIM, PITTS MINE
992	014N/019W/27	SE	CHIP	8IN.TR, FAULT GOUGE
993	014N/019W/27	SE	CHIP	18IN. TR, FLT ZNE W/QV/MALA/LIM/HEM, PITTS MINE
994	014N/019W/27	SE	CHIP	18IN. OP ABV AD, QV IN FLT ZNE, PITTSBURG
995	014N/019W/27	SE	CHIP	11IN.PT, FLT BTWN GN/ODIAB, PITTSBURG MINE
996	014N/019W/27	SE	CHIP	3FT BEN/AD (SA 997), GN W/QV/PYR/LIM, PITTS MINE
997	014N/019W/27	SE	CHIP	2FT BEN/AD (SA 996), GN W/QZ/PYR/LIM, PITTS MINE
998	014N/019W/27	SE	CHIP	4FT FC/AD, 10IN. FLT IN GN, PITTSBURG MINE
999	014N/019W/27	SE	CHIP	10IN. PORT/AD, FLT GOUGE W/CU STN, PITTS MINE
1000	014N/019W/27	SE	CHIP	9IN. PORT/AD, GN ADJ TO FLT ZNE(SA 999),PITTS MINE
1001	014N/019W/27	SE	CHIP	14IN. PORT/AD,FLT ZNE(SA 999) W/QV/HEM/LIM, PITTS
1002	014N/019W/27	SE	CHIP	32IN.AD, FAULT, MINR CPY, PITTSBURG MINE
1003	014N/019W/27	SE	CHIP	9IN.AD, FAULT, PITTSBURG MINE
1004	014N/019W/27	SE	CHIP	38IN. BEN/AD, BRECC GN W/ABD LIM STN, PITTS MINE
1005	014N/019W/27	SE	CHIP	7IN. RR/AD, FLT BTWN GN & DIABASE, PITTSBURG MINE
1006	014N/019W/27	SE	CHIP	7FT 2IN. FC/AD, FAULT
1007	014N/019W/27	SE	CHIP	12IN.FC/AD, FAULT, MINR ALT
1008	014N/019W/27	SE	CHIP	39IN. FC/AD, FLT GOUGE W/QZ/FELD/PYR, PITTS MINE
1009	014N/019W/27	SE	GRAB	DP 5FT GRID
1010	014N/019W/27	SE	GRAB	DP 5FT GRID
1011	014N/019W/27	SE	GRAB	DP 5FT GRID
1012	014N/019W/27	SE	CHIP	40IN. FC/DR/SH,FLT ZNE W/QV/GAL/HEM/LIM,PITTS MINE
1013	014N/019W/27	SE	CHIP	11IN. LR/DR/SH,FLT ZNE BRECC GN/DIABASE,PITTS MINE
1014	014N/019W/27	SE	CHIP	35IN.BK/DR/SH, FLT ZNE BRECC GN/MINR CU,PITTS MINE
1015	014N/019W/27	SE	CHIP	22IN. SH,FLT ZNE IN GN W/QV/GAL/MINR CU,PITTS MINE
1016	014N/019W/27	SE	CHIP	28IN. SH, BRECC GN W/QZ, PITTSBURG MINE
1017	014N/019W/27	SE	CHIP	41IN. SH S. SIDE BOT,FLT ZNE IN GN W/QV,PITTS MINE
1018	014N/019W/27	SE	CHIP	36IN. BK/DR/SH (SA 1017), FLT ZNE, PITTSBURG MINE
1019	014N/019W/27	SE	CHIP	5IN. SH, FLT ZNE W/QZ/SULF, PITTS MINE
1020	014N/019W/27	SE	CHIP	2FT SH E. WALL, FLT ZNE ALT GN, PITTSBURG MINE
1021	014N/019W/27	SE	CHIP	9IN.INSH, FLT GOUGE, CU STN
1022	014N/019W/27	SE	CHIP	3FT INSH, FLT GOUGE IN GN, PITTSBURG MINE
1023	014N/019W/27	SE	CHIP	35IN.INSH, FLT GOUGE, CU STN
1024	014N/019W/27	SE	CHIP	28IN. INSH, FLT GOUGE IN GN, PITTSBURG MINE
1025	014N/019W/27	SE	CHIP	15IN.INSH, FLT GOUGE, NO ALT NOTED
1026	014N/019W/27	SE	CHIP	28IN. INSH, FLT GOUGE IN GN, PITTSBURG MINE
1027	014N/019W/27	SE	CHIP	12IN.INSH, FAULT GOUGE
1028	014N/019W/27	SE	CHIP	28IN.INSH, FLT GOUGE, NO ALT NOTED
1029	014N/019W/27	SE	CHIP	TR SEL, FLT GOUGE, GRANODIORITE W/MALA
1030	014N/019W/27	SE	CHIP	10IN.SR/SH, QV W/ABD CU STN, PITTSBURG MINE
1031	014N/019W/27	SE	CHIP	16IN.SH, SHR ZNE IN DIOR, PITTSBURG MINE
1032	014N/019W/27	SE	CHIP	36IN.SH, DIOR/GN CONTACT, PITTSBURG MINE
1033	014N/019W/27	SE	CHIP	10IN.SH, QV W/MINR CU STN, ABD LIM/HEM, PITTSBURG
1034	014N/019W/27	SE	CHIP	16IN.TR, FLT ZNE/QV IN GN, NO VIS MINL, PITTSBURG
1035	014N/019W/27	SE	CHIP	24IN.TR, GN ADJ QV (SA 1034), NO VIS MINL, PITTS
1036	014N/019W/27	SE	CHIP	10IN.TR, FLT W/3IN.QV, MINR PYR/HEM, PITTSBURG
1037	014N/019W/27	SE	GRAB	TR DP SEL, GZ W/HEM/LIM, PITTSBURG
1038	014N/019W/27	SE	CHIP	10IN.TR, SHR ZNE W/QV, MINR PYR/HEM, PITTSBURG

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
1039	014N/019W/27	SE	CHIP	12IN.PT, FLT IN GN, PITTSBURG
1040	014N/019W/27	SE	CHIP	9IN.PT, V WEATHERED GN, PITTSBURG
1041	014N/019W/34	NE	CHIP	12IN.OP,FRAC IN DACITE, NO VIS MINL, PITTS AREA
1042	014N/019W/34	NE	GRAB	SH DP SEL, FLT IN GR, HEM/LIM, PITTS MINE AREA
1043	014N/019W/34	NE	CHIP	36IN.PT, QV IN GRGN, PITTSBURG MINE AREA
1044	014N/019W/34	NE	CHIP	3IN.PT, QV IN GR, HEM/LIM, PITTSBURG MINE AREA
1045	014N/019W/27	SW	CHIP	12IN.PT, FLT ZNE W/QV IN GN, PITTSBURG MINE AREA
1046	014N/019W/27	SW	GRAB	PT DP SEL,QV W/ABD HEM, MINR MALA, CPY, PITTS AREA
1047	014N/019W/27	SW	CHIP	10IN.PT, FLT W/QV IN GN, PITTSBURG MINE AREA
1048	014N/019W/27	SW	CHIP	10IN.OP,CONTACT GN/DACITE, NO VIS MINL, PITTS AREA
1049	014N/019W/34	NW	CHIP	45IN.PT, GN/DAC CONT, NO VIS MINL, SW OF PITTS
1050	014N/019W/34	NW	CHIP	12IN.PT, GN/DAC CONT ZNE, NO VIS MINL, SW OF PITTS
1051	014N/019W/34	NW	CHIP	30IN.PT, GOUGE MATERIAL IN GN, SW OF PITTS
1052	014N/019W/34	NW	GRAB	DP SEL, SILIC RX W/ABD HEM & PYR? BOXWORK
1053	014N/019W/34	NW	CHIP	18IN.NW WALL/SH, FLT ZNE IN GN, SW OF PITTSBURG
1054	014N/019W/34	NW	CHIP	20IN.NE WALL/SH, FRAC ZNE IN GN, NO VIS MINL
1055	014N/019W/34	NW	CHIP	8IN.PT, ALT FRAC ZNE IN GN, SW OF PITTSBURG MINE
1056	014N/019W/34	NW	CHIP	15IN.PT, MINR QV IN GN, SW OF PITTSBURG MINE
1057	014N/019W/34	NW	GRAB	PT SEL,QV, HEM, MINR PYR? BOXWORK, SW OF PITTSBURG
1058	014N/019W/34	NW	CHIP	18IN.PT, .5IN.QV IN FRAC IN GN, SW OF PITTSBURG
1059	014N/019W/27	SW	CHIP	3IN.NR/SH, FLT ZNE IN GR, SW OF PITTSBURG MINE
1060	014N/019W/27	SW	CHIP	25IN.WR/SH, (SA 1059) ALT ZNE IN GR, SW OF PITTS
1061	014N/019W/27	SW	CHIP	27IN.OP, GR/DIOR CONT ZNE, SW OF PITTSBURG MINE
1062	014N/019W/27	SW	CHIP	32IN.PT, DECOMPOSED GR OR GN, SW OF PITTSBURG
1063	014N/019W/27	SW	CHIP	1FT OP, 8IN.QV IN GR, NO VIS MINL, SW PITTSBURG
1064	014N/019W/27	SW	CHIP	10IN.OP, 5IN.QV IN GR, NO VIS MINL, SW PITTSBURG
1065	014N/019W/27	SW	CHIP	28IN.OP, 5IN.QV IN GR, NO VIS MINL, SW PITTSBURG
1066	014N/019W/27	SW	CHIP	14IN.OP, QZ PODS IN GR, NO VIS MINL, SW OF PITTS
1067	014N/019W/27	SW	CHIP	28IN.OP, QZ POD IN GR, NO VIS MINL, SW OF PITTS
1068	014N/019W/27	SW	CHIP	5FT PT, DIOR W/FLT (SA 1069), SW OF PITTS
1069	014N/019W/27	SW	CHIP	5IN.PT, FLT IN DIOR (SA 1068), SW OF PITTS
1070	014N/019W/27	SE	CHIP	7IN.OP, FLT W/QZ IN GN, PITTSBURG MINE AREA
1071	014N/019W/27	SE	CHIP	39IN.OP, QV/FLT ZNE IN GN, PITTSBURG MINE AREA
1072	014N/018W/31	NW	STSED	12IN.PN-CN, (SA 1073) 1FT DEEP
1073	014N/018W/31	NW	STSED	GRAB/BULK, (SA 1072) 1FT DEEP
1074	014N/018W/31	NW	STSED	12IN.PN-CN, (SA 1075) 1FT. DEEP
1075	014N/018W/31	NW	STSED	GRAB/BULK, (SA 1074) 1FT DEEP
1076	014N/018W/32	NW	STSED	12IN.PN-CN, (SA 1077) 1FT DEEP
1077	014N/018W/32	NW	STSED	GRAB/BULK, (SA 1076) 1FT DEEP
1078	013N/019W/01	SE	STSED	12IN.PN-CN, (SA 1079) 1FT DEEP
1079	013N/019W/01	SE	STSED	GRAB/BULK, (SA 1078) 1FT DEEP
1080	014N/018W/33	SE	STSED	PN-CN, (SA 1081)
1081	014N/018W/33	SE	STSED	GRAB/BULK, (SA 1080)
1082	014N/017W/20	SW	STSED	12IN.PN-CN, (SA 1083)
1083	014N/017W/20	SW	STSED	GRAB/BULK, (SA 1082)
1084	014N/017W/30	NW	STSED	12IN.PN-CN, (SA 1085)
1085	014N/017W/30	NW	STSED	GRAB/BULK, (SA 1084)
1086	014N/017W/31	NW	STSED	12IN.PN-CN, (SA 1087)
1087	014N/017W/31	NW	STSED	GRAB/BULK, (SA 1086)
1088	014N/017W/31	SW	STSED	12IN.PN-CN, 1.5FT DEEP, (SA 1089)
1089	014N/017W/31	SW	STSED	GRAB/BULK, 1.5FT DEEP, (SA 1088)

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TABLE 2 - SAMPLE IDENTIFICATION INFORMATION

SAMPLE NO.	TWN/RNG/SEC	1/4 SEC	SAMP TYPE	REMARKS
1090	014N/017W/31	SW	STSED	12IN.PN-CN, SURFACE SED, (SA 1091)
1091	014N/017W/31	SW	STSED	GRAB/BULK, SURFACE (SA 1090)
1092	013N/018W/02	NE	STSED	12IN.PN/CN, 1.5FT DEEP, (SA 1093)
1093	013N/018W/02	NE	STSED	GRAB/BULK, 1.5FT DEEP, (SA 1092)
1094	013N/018W/03	E CTR	STSED	12IN.PN-CN, 1FT DEEP, (SA 1095)
1095	013N/018W/03	E CTR	STSED	GRAB/BULK, 1FT DEEP, (SA 1094)
1096	013N/018W/03	E CTR	STSED	12IN.PN-CN, SURFACE SED, (SA 1097)
1097	013N/018W/03	E CTR	STSED	GRAB/BULK, SURFACE SED, (SA 1096)
1098	013N/018W/08	SE	CHIP	6IN.LR/AD, VOLC BRECC, EL CAMPO
1099	013N/018W/08	SE	CHIP	10IN.RR/AD, VOLC, EL CAMPO
1100	013N/018W/08	SE	CHIP	22IN.LR/AD, VOLC, EL CAMPO
1101	013N/018W/08	SE	CHIP	12IN.OC, PEBBLE CGL, EL CAMPO
1102	013N/018W/08	SE	CHIP	24IN.PORT/AD, GAL/CGL, EL CAMPO
1103	013N/018W/08	SE	CHIP	18IN.WR/AD, CONTACT GAL/GRDIOR, EL CAMPO
1104	013N/018W/08	SE	CHIP	8IN.SR@BK/AD, GR/GRAVEL CONTACT, CALICHE, EL CAMPO
1105	013N/018W/08	SE	CHIP	12IN.NR@BK/AD,GR/GRAVEL CONTACT, CALICHE, EL CAMPO
1106	013N/018W/17	NE	GRAB	DP SEL, GRDIOR W/QZ VLETS, MANITOWOC MINE
1107	013N/018W/17	NE	CHIP	16IN.BK/AD, FRAC W/QZ, MANITOWOC
1108	013N/018W/17	NE	CHIP	3FT BK/AD, FRAC GRDIOR, NO VIS MINL, MANITOWOC
1109	013N/018W/17	NE	GRAB	DP SEL, GRDIOR W/CALC VEIN/HEM/LIM, MANITOWOC MINE
1110	013N/018W/17	E CTR	CHIP	12IN.PT, FLT GOUGE IN DIORITE, MANITOWOC MINE
1111	013N/018W/17	E CTR	CHIP	24IN.SH, FLT GOUGE IN DIORITE, MANITOWOC MINE
1112	013N/018W/17	E CTR	GRAB	SH DP SEL, (SA 1111), MANITOWOC MINE
1113	013N/018W/17	SE	GRAB	SP SEL, GRDIOR W/QZ & CALC VLETS, MANITOWOC
1114	013N/018W/17	SE	GRAB	DP 5FT GRID, GRDIOR, MANITOWOC MINE
1115	013N/018W/17	SE	CHIP	33IN.PT, GRDIOR W/QZ VLETS, MANITOWOC MINE
1116	013N/018W/17	SE	CHIP	10IN.PT, GV, MANITOWOC
1117	013N/018W/17	SE	CHIP	10IN.PT, FLT GOUGE, MANITOWOC
1118	013N/018W/16	SW	CHIP	8IN.OC, PEGMATITE IN GRDIOR, MANITOWOC
1119	013N/018W/16	SW	GRAB	SH DP 5FT GRID, GRDIOR W/QV, LIM/HEM, MANITOWOC
1120	013N/018W/16	SW	CHIP	26IN.SH, FLT GOUGE, HEM/LIM, MANITOWOC
1121	013N/018W/16	SW	GRAB	SH DP SEL, QZ/CPY/PYR/GAL/HEM/LIM/SPHALERITE
1122	013N/018W/17	SE	STSED	12IN.PN-CN, (SA 1123) NEAR MANITOWOC MINE
1123	013N/018W/17	SE	STSED	GRAB/BULK, (SA 1122) NR MANITOWOC MINE
1124	013N/018W/16	SW	STSED	PN-CN, STANDARD WASH/NORTH BANK, (SA 1128)
1125	013N/018W/16	SW	STSED	PN-CN/DRWSH 1CUFT SED, STD WSH (SA 1124,1128)
1126	013N/018W/16	SW	STSED	PN-CN,N BANK STD WSH,60FT DNSTR FR 1124,1125,1128
1127	013N/018W/16	SW	STSED	PN-CN/DRWSH, 1CUFT SED
1128	013N/018W/16	SW	STSED	GRAB/BULK, STANDARD WASH/NORTH BANK(SA 1124)
1129	013N/018W/16	SW	STSED	GRAB/BULK, STANDARD WASH (SA 1126)
1130	013N/018W/16	CTR	STSED	PN-CN, (SA 1131)
1131	013N/018W/16	CTR	STSED	GRAB/BULK, (SA 1130)

REPORT DATE 01/12/83

CROSSMAN PEAK WSA, MOHAVE COUNTY, ARIZONA
ANALYTICAL RESULTS
TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
1	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
2	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
3	< 0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
4	NA	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
5	NA	0.048	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
6	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
7	< 0.2	< 0.005	BA	0.12	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
8	NA	0.059	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
9	NA	0.080	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
9R	< 0.2	< 0.005	BA	0.11	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
10	< 0.2	< 0.005	BA	0.07	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
11	< 0.2	< 0.005	BA	0.12	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
12	NA	TRACE	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
13	NA	0.007	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
13R	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
14	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
15	< 0.2	< 0.005	BA	0.11	CU	1.15	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	6.50
16	NA	0.032	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
17	0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
18	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
19	< 0.2	TRACE	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
20	0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
21	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
22	< 0.2	TRACE	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
23	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
24	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
25	< 0.2	0.016	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
26	0.5	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
27	0.3	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
28	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
29	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
30	0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
31	0.3	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
32	0.3	0.037	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
33	< 0.2	< 0.005	BA	0.15	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
34	0.3	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
35	< 0.2	0.216	BA	0.03	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	0.02	ZN	0.03
35A	NA	NA	BA	0.06	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	0.02	ZN	0.02
35B	< 0.2	< 0.005	BA	0.13	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
36	0.9	< 0.005	BA	0.07	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
37	0.5	0.082	BA	0.20	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	0.08	ZN	0.05
37A	< 0.2	< 0.005	BA	0.12	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
38	< 0.2	0.828	BA	0.07	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	0.01	ZN	0.03
39	2.2	1.232	BA	0.04	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	0.16	ZN	0.02
39A	< 0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
40	< 0.2	1.330	BA	0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	0.06	ZN	0.02
40A	< 0.2	0.078	BA	0.08	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
41	2.5	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.06	SN	<0.01	W	0.11	ZN	0.02

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
41A	< 0.2	< 0.005	BA	0.08	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.04	ZN	0.01
42	0.6	0.148	BA	0.03	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	0.01	ZN	0.01
42A	0.3	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
43	0.4	0.090	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
44	0.6	0.081	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.02	ZN	0.02
45	0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.03
46	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.01	ZN	0.01
47	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
48	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
49	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
50	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
51	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.03	ZN	0.01
52	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
53	0.5	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
54	0.6	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
55	0.5	< 0.005	BA	0.02	CU	0.18	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.01
56	0.6	< 0.005	BA	0.05	CU	0.76	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	<0.01
57	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
58	0.2	0.233	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
59	0.6	0.078	BA	0.02	CU	0.08	MO	<0.01	PB	0.24	SN	<0.01	W	0.01	ZN	0.03
60	0.8	0.102	BA	0.01	CU	0.14	MO	<0.01	PB	1.92	SN	<0.01	W	<0.01	ZN	0.39
61	0.3	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
62	2.5	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
63	0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
64	0.4	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
65	0.4	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.12	SN	<0.01	W	<0.01	ZN	0.07
66	0.3	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
67	0.5	< 0.005	BA	0.06	CU	1.55	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
68	< 0.2	< 0.005	BA	<0.01	CU	1.45	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
69	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
70	< 0.2	< 0.005	BA	0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
71	NA	0.096	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
72	NA	0.019	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
72R	< 0.2	< 0.005	BA	0.08	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
73	NA	0.106	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
74	0.4	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
75	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
76	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
77	2.0	< 0.005	BA	<0.01	CU	0.03	MO	<0.01	PB	6.80	SN	<0.01	W	<0.01	ZN	0.14
78	4.9	< 0.005	BA	0.01	CU	0.03	MO	<0.01	PB	5.00	SN	<0.01	W	<0.01	ZN	0.07
79	0.2	< 0.005	BA	0.01	CU	0.03	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.06
80	0.9	< 0.005	BA	0.08	CU	0.03	MO	<0.01	PB	1.40	SN	<0.01	W	<0.01	ZN	0.19
81	0.5	< 0.005	BA	0.01	CU	0.04	MO	<0.01	PB	0.78	SN	<0.01	W	<0.01	ZN	0.08
82	0.2	0.036		NA	CU	<0.01		NA	PB	0.04		NA	W	<0.01	ZN	0.03
83	0.4	0.011		NA	CU	0.02		NA	PB	0.75		NA	W	0.03	ZN	0.05
84	< 0.2	< 0.005		NA	CU	0.01		NA	PB	<0.01		NA	W	<0.01	ZN	0.01
85	< 0.2	0.087	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
86	< 0.2	0.017	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
87	< 0.2	0.036	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.01
88	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
89	< 0.2	0.006	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
90	< 0.2	0.015	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
91	0.6	0.217	BA	0.05	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.07
92	0.2	0.328	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
93	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
94	< 0.2	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
95	0.2	0.166	BA	<0.01	CU	0.04	MO	<0.01	PB	0.03	SN	<0.01	W	0.01	ZN	0.50
96	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.20	ZN	0.03
97	0.2	0.111	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
98	0.2	0.115	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
99	0.4	0.093	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
100	0.2	0.044	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
101	< 0.2	0.072	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
102	< 0.2	TRACE		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	0.01
103	0.2	0.167		NA	CU	<0.01		NA	PB	0.04		NA	W	<0.01	ZN	0.05
104	< 0.2	< 0.005		NA	CU	<0.01		NA	PB	0.02		NA	W	<0.01	ZN	0.01
105	NA	0.033	BA	0.03	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
106	0.3	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
107	NA	0.116	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
108	1.9	TRACE	BA	0.03	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
109	0.2	0.005		NA	CU	<0.01		NA	PB	0.36		NA	W	0.03	ZN	1.5
110	< 0.2	< 0.005		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	0.01
111	0.2	0.008		NA	CU	<0.01		NA	PB	0.95		NA	W	0.04	ZN	2.2
112	< 0.2	0.008		NA	CU	<0.01		NA	PB	0.01		NA	W	<0.01	ZN	0.04
113	< 0.2	0.006	BA	0.04	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.04
114	< 0.2	0.047	BA	0.04	CU	0.02	MO	<0.01	PB	0.21	SN	<0.01	W	<0.01	ZN	0.04
115	< 0.2	TRACE	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
116	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
117	0.2	0.013	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
118	< 0.2	0.100	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	<0.01
119	< 0.2	0.008	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	<0.01
120	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	<0.01
121	< 0.2	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	<0.01
122	< 0.2	< 0.005	BA	<0.01	CU	0.05	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.01
123	0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
124	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
125	0.2	0.407	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.32	SN	<0.01	W	<0.01	ZN	0.01
126	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.37	SN	<0.01	W	<0.01	ZN	<0.01
127	< 0.2	< 0.005	BA	<0.01	CU	0.06	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.02
128	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	<0.01
129	< 0.2	TRACE	BA	<0.01	CU	0.02	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.01
130	< 0.2	0.018	BA	<0.01	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	<0.01
131	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
132	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
133	0.6	0.071	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.01
134	0.2	TRACE		NA	CU	0.12		NA	PB	<0.01		NA	W	<0.01	ZN	<0.01
135	< 0.2	< 0.005		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	<0.01
136	0.4	< 0.005	BA	0.02	CU	0.14	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
137	0.5	< 0.005	BA	0.02	CU	0.20	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
138	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
139	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
140	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
141	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
142	0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
143	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
144	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
145	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
146	< 0.2	TRACE	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
147	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
148	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
149	< 0.2	< 0.005	BA	0.08	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
150	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
151	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
152	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
153	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.14
154	0.2	< 0.005	BA	0.07	CU	0.05	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
155	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
156	0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
157	0.4	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
158	0.4	< 0.005	BA	0.04	CU	0.03	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.04
159	0.6	< 0.005	BA	<0.01	CU	0.02	MO	0.11	PB	0.04	SN	<0.01	W	<0.01	ZN	0.04
160	0.6	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
161	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
162	0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
163	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
164	< 0.2	< 0.005	BA	0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
165	0.4	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
166	0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
167	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
168	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
169	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
170	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
171	0.3	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
172	< 0.2	< 0.005	BA	0.05	CU	0.34	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.19
173	0.6	< 0.005	BA	0.01	CU	0.21	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.33
174	0.4	0.092	BA	0.03	CU	0.01	MO	<0.01	PB	0.26	SN	<0.01	W	<0.01	ZN	0.01
175	0.5	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
176	0.6	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
177	0.3	0.022	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
178	< 0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
179	0.4	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	<0.01
180	0.4	< 0.005	BA	0.08	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
181	0.4	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.02
182	0.6	< 0.005	BA	0.07	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
183	0.3	< 0.005	BA	0.07	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
184	0.4	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.14
185	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
186	0.4	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
187	0.4	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
188	0.5	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
189	0.3	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
190	0.5	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
191	0.5	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
192	0.3	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
193	0.3	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.07
194	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
195	0.3	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
196	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
197	0.4	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
198	1.0	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
199	0.5	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
200	0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
201	0.4	< 0.005	BA	<0.01	CU	0.23	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.28
202	NO SAMPLE															
203	0.4	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
204	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
205	0.4	0.028	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
206	0.4	0.022	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
207	0.2	0.115	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
208	1.2	0.070	BA	<0.01	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
209	0.2	0.026	BA	0.15	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
210	< 0.2	0.025	BA	0.06	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
211	0.4	0.031	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
212	< 0.2	TRACE	BA	0.20	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
213	0.2	0.024	BA	0.20	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
214	4.9	< 0.005	BA	0.02	CU	5.80	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
215	0.6	< 0.005	BA	0.05	CU	0.70	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
216	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
217	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
218	0.2	TRACE	BA	0.05	CU	0.20	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.43
219	1.0	TRACE	BA	<0.01	CU	0.06	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.03
220	0.2	0.065	BA	<0.01	CU	0.06	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
221	1.6	0.006	BA	0.05	CU	0.10	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.13
222	< 0.2	< 0.005	BA	<0.01	CU	0.07	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
223	< 0.2	< 0.005	BA	0.05	CU	0.04	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.07
224	< 0.2	0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
225	0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
226	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
227	0.3	< 0.005	BA	0.05	CU	0.03	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.01
228	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
229	0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
230	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
231	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
232	< 0.2	0.008	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
233	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
234	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
235	0.2	0.051	BA	0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.06
236	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
237	0.3	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.05
238	0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
239	0.3	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.08
240	0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
241	9.3	0.158	BA	0.01	CU	1.64	MO	<0.01	PB	4.30	SN	<0.01	W	<0.01	ZN	0.57
242	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
243	< 0.2	0.053	BA	<0.01	CU	0.02	MO	0.01	PB	0.26	SN	<0.01	W	<0.01	ZN	0.17
244	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
245	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.09	SN	<0.01	W	<0.01	ZN	0.02
246	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
247	< 0.2	0.018	BA	<0.01	CU	0.02	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.11
248	< 0.2	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
249	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
250	< 0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.08
251	0.4	0.047	BA	<0.01	CU	0.05	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.05
252	< 0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
253	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
254	< 0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
255	1.6	0.362	BA	<0.01	CU	0.26	MO	<0.01	PB	0.21	SN	<0.01	W	<0.01	ZN	0.57
256	0.2	< 0.005	BA	0.10	CU	0.54	MO	<0.01	PB	8.0	SN	<0.01	W	<0.01	ZN	0.03
257	< 0.2	< 0.005	BA	0.11	CU	0.01	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.02
258	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
259	0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01		NA
260	0.2	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
261	0.2	0.095	BA	<0.01	CU	0.04	MO	<0.01	PB	0.40	SN	<0.01	W	<0.01	ZN	<0.01
262	2.4	0.271	BA	0.01	CU	0.07	MO	<0.01	PB	1.34	SN	<0.01	W	<0.01	ZN	<0.01
263	0.2	0.340	BA	<0.01	CU	0.05	MO	<0.01	PB	0.47	SN	<0.01	W	<0.01	ZN	0.01
264	2.0	1.584	BA	0.05	CU	0.18	MO	<0.01	PB	1.80	SN	<0.01	W	<0.01	ZN	0.04
265	1.2	0.017	BA	<0.01	CU	0.89	MO	<0.01	PB	1.75	SN	<0.01	W	<0.01	ZN	<0.01
266	2.0	0.295	BA	0.01	CU	0.05	MO	<0.01	PB	1.42	SN	<0.01	W	<0.01	ZN	0.01
267	0.6	0.180	BA	<0.01	CU	0.40	MO	<0.01	PB	2.05	SN	<0.01	W	<0.01	ZN	0.01
268	2.0	0.711	BA	0.01	CU	0.32	MO	<0.01	PB	4.00	SN	<0.01	W	<0.01	ZN	<0.01
269	< 0.2	< 0.005	BA	0.05	CU	0.03	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
270	< 0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
271	0.4	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
272	0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
273	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
274	0.8	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.16	SN	<0.01	W	<0.01	ZN	0.01
275	0.3	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	<0.01
276	0.4	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
277	< 0.2	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
278	< 0.2	0.011	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
279	0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	<0.01
280	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
281	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
282	0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
283	2.7	0.079	BA	<0.01	CU	0.02	MO	<0.01	PB	8.20	SN	<0.01	W	<0.01	ZN	<0.01
284	0.4	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	<0.01
285		NO SAMPLE														
286		NO SAMPLE														
287	0.3	< 0.005	BA	0.04	CU	0.04	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.05
288	0.6	0.103	BA	0.02	CU	0.03	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.05
289	0.7	< 0.005	BA	<0.01	CU	0.24	MO	<0.01	PB	1.31	SN	<0.01	W	<0.01	ZN	0.25
290	0.3	< 0.005	BA	0.01	CU	0.03	MO	<0.01	PB	0.23	SN	<0.01	W	<0.01	ZN	0.34
291	0.7	0.24	BA	<0.01	CU	0.03	MO	<0.01	PB	0.38	SN	<0.01	W	<0.01	ZN	0.33
292	0.5	0.872	BA	0.03	CU	0.04	MO	<0.01	PB	0.32	SN	<0.01	W	<0.01	ZN	0.16
293	0.5	0.014	BA	<0.01	CU	0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.04

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
294	0.2	0.045	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
295	0.3	< 0.005	BA	0.08	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
296	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
297	< 0.2	< 0.005		NA	CU	0.01		NA	PB	<0.01		NA	W	<0.01	ZN	0.02
298	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
299	0.4	< 0.005	BA	0.08	CU	0.04	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
300	< 0.2	0.009		NA	CU	0.01		NA	PB	<0.01		NA	W	0.01	ZN	0.03
301	< 0.2	< 0.005		NA	CU	0.01		NA	PB	<0.01		NA	W	0.01	ZN	0.02
302	0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
303	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
304	< 0.2	< 0.005		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	<0.01
305	0.9	0.359	BA	0.01	CU	0.02	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03
306	0.3	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
307	0.2	TRACE		NA	CU	<0.01		NA	PB	0.01		NA	W	<0.01	ZN	0.03
308	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
309	0.3	0.510	BA	0.03	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.06
310	< 0.2	0.012	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.09
311	0.2	TRACE		NA	CU	0.01		NA	PB	0.01		NA	W	<0.01	ZN	0.03
312	0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
313	< 0.2	TRACE		NA	CU	0.01		NA	PB	0.02		NA	W	<0.01	ZN	0.04
314	0.3	< 0.005	BA	0.06	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
315	2.4	1.44		NA	CU	0.40		NA	PB	2.73		NA	W	0.01	ZN	0.56
316	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.09
317	< 0.2	0.111	BA	<0.01	CU	0.02	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
318	4.0	1.37		NA	CU	0.13		NA	PB	3.11		NA	W	0.01	ZN	0.40
319	< 0.2	0.497	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
320	1.0	0.005	BA	0.01	CU	0.02	MO	<0.01	PB	0.23	SN	<0.01	W	<0.01	ZN	0.05
321	0.4	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
322	< 0.2	0.118	BA	<0.01	CU	0.01	MO	<0.01	PB	0.13	SN	<0.01	W	<0.01	ZN	0.06
323	< 0.2	0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.06	SN	<0.01	W	0.01	ZN	0.01
324	0.4	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.23	SN	<0.01	W	0.01	ZN	0.01
325	0.4	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.01
326	< 0.2	TRACE		NA	CU	<0.01		NA	PB	0.01		NA	W	<0.01	ZN	0.01
327	< 0.2	< 0.005		NA	CU	<0.01		NA	PB	0.02		NA	W	<0.01	ZN	0.13
328	< 0.2	TRACE		NA	CU	<0.01		NA	PB	0.02		NA	W	<0.01	ZN	0.13
329	0.2	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
330	0.2	0.034		NA	CU	<0.01		NA	PB	0.29		NA	W	<0.01	ZN	0.04
331	0.3	0.470	BA	<0.01	CU	0.03	MO	<0.01	PB	0.16	SN	<0.01	W	<0.01	ZN	0.07
332	0.3	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
333	< 0.2	TRACE		NA	CU	<0.01		NA	PB	0.01		NA	W	<0.01	ZN	<0.01
334	0.2	0.046		NA	CU	<0.01		NA	PB	0.29		NA	W	<0.01	ZN	0.02
335	< 0.2	< 0.005		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	0.01
336	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
337	2.5	0.178	BA	<0.01	CU	0.16	MO	<0.01	PB	11.0	SN	<0.01	W	<0.01	ZN	0.37
338	0.5	1.702	BA	0.03	CU	0.01	MO	<0.01	PB	0.16	SN	<0.01	W	<0.01	ZN	0.08
339	< 0.2	TRACE		NA	CU	<0.01		NA	PB	0.21		NA	W	<0.01	ZN	0.13
340	< 0.2	< 0.005	BA	0.03	CU	0.03	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.15
341	0.2	TRACE		NA	CU	<0.01		NA	PB	0.01		NA	W	<0.01	ZN	<0.01
342	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03
343	0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
344	< 0.2	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
345	< 0.2	< 0.005		NA	CU	0.11		NA	PB	<0.01		NA	W	<0.01	ZN	0.07
346	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
347	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
348	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
349	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
350	0.4	0.283		NA	CU	<0.01		NA	PB	0.05		NA	W	<0.01	ZN	0.02
351	0.2	< 0.005		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	0.01
352	1.3	0.686	BA	0.04	CU	0.02	MO	<0.01	PB	2.00	SN	<0.01	W	<0.01	ZN	0.02
353	0.2	0.006		NA	CU	<0.01		NA	PB	<0.01		NA	W	<0.01	ZN	<0.01
354	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
355	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
356	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
357	< 0.2	0.025		NA	CU	<0.01		NA	PB	0.18		NA	W	<0.01	ZN	<0.01
358	0.3	0.035	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
359	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
360	0.4	0.795	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.41	SN	<0.01	W	<0.01	ZN	0.02
361	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.06
362	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.56	SN	<0.01	W	<0.01	ZN	0.05
363	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	0.01	W	<0.01	ZN	0.02
364	< 0.2	< 0.005	BA	0.12	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
365	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	0.02	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
366	< 0.2	0.014	BA	0.04	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
367	0.4	0.307	BA	<0.01	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.03
368	0.8	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.02
369	0.5	0.032	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
370	0.3	0.083	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.04
371	0.6	< 0.005	BA	0.01	CU	0.02	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.06
372	0.6	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
373	0.4	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
374	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.01
375	1.7	0.027	BA	<0.01	CU	0.01	MO	<0.01	PB	0.56	SN	<0.01	W	<0.01	ZN	0.01
376	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
377	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.04
378	< 0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.07
379	< 0.2	< 0.005	BA	0.09	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
380	< 0.2	0.102	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.32
381	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
382	< 0.2	0.006	BA	<0.01	CU	0.01	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.03
383	< 0.2	0.066	BA	0.05	CU	0.02	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.21
384	< 0.2	TRACE	BA	0.08	CU	0.01	MO	0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.06
385	0.8	0.014	BA	<0.01	CU	0.07	MO	0.01	PB	0.68	SN	<0.01	W	<0.01	ZN	0.02
386	0.8	0.019	BA	0.05	CU	0.09	MO	<0.01	PB	0.71	SN	<0.01	W	<0.01	ZN	0.03
387	2.2	0.008	BA	<0.01	CU	0.05	MO	<0.01	PB	2.05	SN	<0.01	W	<0.01	ZN	0.02
388	< 0.2	< 0.005	BA	0.19	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.07
389	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.09
390	< 0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
391	< 0.2	0.007	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.11
392	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
393	< 0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
394	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.08
395	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
396	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
397	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
398	< 0.2	< 0.005	BA	0.02	CU	0.04	MO	<0.01	PB	5.00	SN	<0.01	W	<0.01	ZN	0.01
399	< 0.2	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	0.30	SN	<0.01	W	<0.01	ZN	0.03
400	< 0.2	< 0.005	BA	0.08	CU	0.20	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.02
401	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
402	0.8	< 0.005	BA	0.05	CU	0.04	MO	<0.01	PB	4.30	SN	<0.01	W	0.01	ZN	0.87
403	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
404	< 0.2	0.016	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
405	< 0.2	0.120	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
406	0.6	0.578	BA	0.05	CU	0.14	MO	<0.01	PB	1.85	SN	<0.01	W	<0.01	ZN	0.11
407	0.2	0.218	BA	0.01	CU	0.04	MO	<0.01	PB	0.19	SN	<0.01	W	<0.01	ZN	0.21
408	< 0.2	0.154	BA	0.02	CU	<0.01	MO	<0.01	PB	0.38	SN	<0.01	W	<0.01	ZN	0.06
409	< 0.2	0.014	BA	0.01	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.02
410	< 0.2	0.064	BA	0.01	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.01
411	< 0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.07
412	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.01
413	< 0.2	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.05
414	< 0.2	0.500	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.03
415	3.4	0.055	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.08	SN	<0.01	W	0.07	ZN	0.01
416	< 0.2	0.011	BA	0.05	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.01
417	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	<0.01
418	< 0.2	0.025	BA	0.01	CU	<0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.01
419	< 0.2	TRACE	BA	0.06	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.01
420	< 0.2	0.019	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.04
421	< 0.2	0.046	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
422	0.2	0.007	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.09	SN	<0.01	W	<0.01	ZN	0.07
423	< 0.2	TRACE	BA	<0.01	CU	0.02	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.07
424	0.2	0.063	BA	<0.01	CU	0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.02
425	< 0.2	0.030	BA	<0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	0.03	ZN	<0.01
426	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.18	SN	<0.01	W	<0.01	ZN	0.04
427	0.2	0.211	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.20	SN	<0.01	W	<0.01	ZN	0.03
428	0.4	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.03
429	< 0.2	0.030	BA	0.04	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.03
430	< 0.2	0.037	BA	0.05	CU	0.02	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.04
431	0.2	0.176	BA	0.05	CU	<0.01	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.04
432	0.2	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
433	< 0.2	0.007	BA	0.05	CU	<0.01	MO	<0.01	PB	0.14	SN	<0.01	W	<0.01	ZN	0.10
434	< 0.2	0.062	BA	0.05	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.05
435	< 0.2	0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.03
436	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	0.02	ZN	0.06
437	< 0.2	0.029	BA	0.05	CU	0.01	MO	<0.01	PB	0.14	SN	<0.01	W	<0.01	ZN	0.14
438	< 0.2	0.036	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.03
439	< 0.2	0.028	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.22	SN	<0.01	W	<0.01	ZN	0.11
440	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
441	< 0.2	0.116	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
442	< 0.2	0.020	BA	0.05	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
443	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
444	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
445	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.12
446	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
447	0.2	0.019	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
448	< 0.2	TRACE	BA	0.10	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
449	< 0.2	0.007	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
450	< 0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
451	< 0.2	0.012	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
452	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
453	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
454	0.4	0.011	BA	0.10	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
455	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
456	< 0.2	0.020	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.01
457	< 0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
458	0.2	0.018	BA	<0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
459	< 0.2	< 0.005	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
460	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
461	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
462	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
463	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
464	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
465	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
466	0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
467	< 0.2	< 0.005	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
468	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
469	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
470	< 0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.06
471	< 0.2	0.075	BA	0.05	CU	0.01	MO	<0.01	PB	0.25	SN	<0.01	W	0.12	ZN	0.01
471R	0.2	0.046	BA	0.05	CU	0.02	MO	<0.01	PB	0.28	SN	<0.01	W	0.07	ZN	0.01
472	1.2	1.57	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.48	SN	<0.01	W	<0.01	ZN	0.05
473	0.6	0.854	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.50	SN	<0.01	W	<0.01	ZN	0.20
474	< 0.2	0.019	BA	0.15	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.06
475	< 0.2	0.008	BA	0.05	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.08
475R	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.05
476	< 0.2	0.056	BA	<0.01	CU	0.04	MO	<0.01	PB	0.25	SN	<0.01	W	<0.01	ZN	0.21
477	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
477R	< 0.2	< 0.005	BA	0.06	CU	0.03	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
478	0.4	1.09	BA	<0.01	CU	0.01	MO	<0.01	PB	0.35	SN	<0.01	W	0.01	ZN	0.83
479	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.15
480	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
481	0.4	0.662	BA	0.11	CU	0.02	MO	<0.01	PB	0.46	SN	<0.01	W	<0.01	ZN	0.52
482	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.07
483	< 0.2	0.013	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
484	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
485	0.2	0.605	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.79	SN	<0.01	W	<0.01	ZN	0.31
486	< 0.2	0.186	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.28	SN	<0.01	W	<0.01	ZN	0.52
487	0.6	2.00	BA	<0.01	CU	0.20	MO	<0.01	PB	1.40	SN	<0.01	W	0.03	ZN	2.50
487R	1.0	2.162	BA	<0.01	CU	0.19	MO	<0.01	PB	1.28	SN	<0.01	W	0.04	ZN	2.40
488	1.4	1.97	BA	0.05	CU	0.06	MO	<0.01	PB	0.60	SN	<0.01	W	0.01	ZN	0.61
488R	1.0	1.454	BA	0.02	CU	0.07	MO	<0.01	PB	0.44	SN	<0.01	W	0.01	ZN	0.64
489	< 0.2	0.348	BA	<0.01	CU	0.02	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.27
490	< 0.2	0.922	BA	<0.01	CU	0.01	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.11
491	< 0.2	0.401	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.12
492	< 0.2	0.513	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.13	SN	<0.01	W	<0.01	ZN	0.18

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
493	< 0.2	0.014	BA	0.05	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.04
494	< 0.2	0.253	BA	<0.01	CU	0.04	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.14
495	< 0.2	0.007	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
496	< 0.2	0.265	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.14	SN	<0.01	W	<0.01	ZN	0.08
497	< 0.2	0.018	BA	0.05	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
498	0.6	1.18	BA	<0.01	CU	0.01	MO	<0.01	PB	0.20	SN	<0.01	W	<0.01	ZN	0.43
499	< 0.2	0.120	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.06
500	< 0.2	0.125	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.07	SN	<0.01	W	<0.01	ZN	0.04
501	< 0.2	0.053	BA	<0.01	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.12
502	< 0.2	0.022	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.03
503	< 0.2	0.019	BA	0.02	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.02
504	< 0.2	TRACE	BA	0.02	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
505	< 0.2	TRACE	BA	0.02	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
506	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
507	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.04
508	< 0.2	< 0.005	BA	0.12	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
509	< 0.2	TRACE	BA	0.02	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
510	< 0.2	0.012	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
511	0.2	0.310	BA	0.05	CU	0.07	MO	<0.01	PB	0.41	SN	<0.01	W	<0.01	ZN	0.10
512	< 0.2	< 0.005	BA	0.05	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.10
513	< 0.2	0.042	BA	0.02	CU	0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.06
514	< 0.2	0.057	BA	0.05	CU	<0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.08
514R	< 0.2	< 0.005	BA	0.01	CU	0.03	MO	<0.01	PB	0.07	SN	<0.01	W	0.02	ZN	0.06
515	4.0	1.40	BA	0.14	CU	0.04	MO	<0.01	PB	4.50	SN	<0.01	W	0.02	ZN	0.82
516	< 0.2	0.037	BA	0.03	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
517	< 0.2	0.070	BA	0.04	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.06
518	< 0.2	0.008	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
519	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
520	0.2	0.256	BA	0.05	CU	0.02	MO	<0.01	PB	0.50	SN	<0.01	W	<0.01	ZN	0.40
521	< 0.2	0.016	BA	0.06	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
522	0.4	0.317	BA	0.16	CU	0.03	MO	<0.01	PB	1.42	SN	<0.01	W	<0.01	ZN	0.64
523	< 0.2	< 0.005	BA	0.07	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
524	< 0.2	0.026	BA	0.10	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.08
525	0.2	0.044	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.09
526	< 0.2	0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.11
527	< 0.2	0.005	BA	0.11	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.01
528	< 0.2	TRACE	BA	0.16	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
529	< 0.2	0.012	BA	0.05	CU	0.05	MO	<0.01	PB	0.02	SN	<0.01	W	0.22	ZN	0.08
530	< 0.2	< 0.005	BA	<0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	0.02	ZN	0.06
531	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
532	< 0.2	0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.16
533	0.4	1.39	BA	0.05	CU	0.02	MO	<0.01	PB	2.40	SN	<0.01	W	<0.01	ZN	0.13
534	< 0.2	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
535	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
536	0.4	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
537	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
538	< 0.2	< 0.005	BA	0.04	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
539	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.08
540	< 0.2	< 0.005	BA	0.05	CU	0.04	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
541	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
542	< 0.2	TRACE	BA	<0.01	CU	0.03	MO	<0.01	PB	0.45	SN	<0.01	W	<0.01	ZN	0.20

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
543	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.18
544	< 0.2	TRACE	BA	0.03	CU	<0.01	MO	<0.01	PB	0.10	SN	<0.01	W	<0.01	ZN	0.10
544R	0.2	< 0.005	BA	0.01	CU	0.02	MO	<0.01	PB	0.09	SN	<0.01	W	0.01	ZN	0.08
545	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
546	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
547	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.05
548	< 0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
549	0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.03
550	1.0	0.010	BA	<0.01	CU	0.01	MO	<0.01	PB	2.4	SN	<0.01	W	0.01	ZN	0.77
551	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
552	< 0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
553	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
554	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
555	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
556	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
557	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
558	< 0.2	< 0.005	BA	0.12	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
559	< 0.2	< 0.005	BA	0.04	CU	0.02	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.16
560	< 0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	0.18	SN	<0.01	W	<0.01	ZN	0.28
561	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.20	SN	<0.01	W	<0.01	ZN	0.19
562	< 0.2	< 0.005	BA	0.07	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
563	< 0.2	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	3.65	SN	<0.01	W	<0.01	ZN	0.31
564	< 0.2	< 0.005	BA	0.05	CU	0.02	MO	<0.01	PB	0.26	SN	<0.01	W	<0.01	ZN	0.33
565	< 0.2	< 0.005	BA	0.08	CU	0.01	MO	<0.01	PB	0.12	SN	<0.01	W	<0.01	ZN	0.08
566	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
567	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
568	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
569	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
570	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
571	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
572	< 0.2	0.[illegible]	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.16	SN	<0.01	W	<0.01	ZN	0.01
573	< 0.2	0.02[illegible]	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
573R	< 0.2	< 0.00[illegible]	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
574	< 0.2	0.[illegible]	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
575	< 0.2	0.[illegible]	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
576	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
576R	< 0.2	< 0.00[illegible]	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.01
577	2.0	0.04	BA	0.10	CU	0.04	MO	<0.01	PB	3.50	SN	<0.01	W	<0.01	ZN	0.02
577R	2.1	0.[illegible]80	BA	0.02	CU	0.05	MO	<0.01	PB	2.79	SN	<0.01	W	<0.01	ZN	0.02
578	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
579	< 0.2	0.0[illegible]	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
580	< 0.2	0.533	BA	<0.01	CU	0.01	MO	<0.01	PB	0.21	SN	<0.01	W	<0.01	ZN	<0.01
581	0.2	0.5[illegible]4	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
582	1.0	0.[illegible]	BA	<0.01	CU	0.01	MO	<0.01	PB	2.50	SN	<0.01	W	<0.01	ZN	0.01
583	< 0.2	0.079	BA	0.05	CU	0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.03
584	0.4	0.553	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.05
584R	0.4	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.55	SN	<0.01	W	<0.01	ZN	0.02
585	< 0.2	0.030	BA	<0.01	CU	0.03	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.01
586	< 0.2	0.161	BA	<0.01	CU	0.02	MO	<0.01	PB	0.26	SN	<0.01	W	<0.01	ZN	0.11
587	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	0.02	W	<0.01	ZN	0.10
588	< 0.2	0.294	BA	<0.01	CU	0.02	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.39

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
589	< 0.2	0.020	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
590	0.2	0.044	BA	0.01	CU	0.04	MO	<0.01	PB	0.51	SN	<0.01	W	<0.01	ZN	0.13
591	< 0.2	TRACE	BA	0.02	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.16
592	< 0.2	0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.08
593	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
594	< 0.2	0.013	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
595	< 0.2	0.033	BA	<0.01	CU	0.02	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03
596	< 0.2	0.008	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
597	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.01	ZN	0.02
598	< 0.2	< 0.005	BA	<0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
599	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
600	< 0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
601	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
602	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.07
603	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
604	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
605	0.2	< 0.005	BA	<0.01	CU	0.19	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
606	< 0.2	< 0.005	BA	<0.01	CU	0.10	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
607	< 0.2	< 0.005	BA	<0.01	CU	0.32	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
608	< 0.2	< 0.005	BA	<0.01	CU	0.43	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
609	0.2	TRACE	BA	<0.01	CU	1.20	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
610	< 0.2	< 0.005	BA	0.05	CU	0.75	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
611	< 0.2	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
612	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
613	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
614	< 0.2	TRACE	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
615	0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
616	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
617	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
618	< 0.2	< 0.005	BA	0.11	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
619	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
620	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
621	< 0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.08
622	< 0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
623	< 0.2	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
624	0.4	0.342	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
625	0.2	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
626	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
627	0.4	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
628	0.3	0.076	BA	0.07	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
629	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
630	0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
631	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
632	0.3	< 0.005	BA	0.22	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
633	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
634	0.4	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
635	1.0	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
636	< 0.2	0.015	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
637	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
638	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
639	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
640	0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
641	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
642	0.3	< 0.005	BA	0.05	CU	0.08	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
643	0.4	0.063	BA	0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	0.05	ZN	<0.01
644	0.4	< 0.005	BA	0.03	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
645	0.3	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
646	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
647	0.3	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
648	0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
649	0.3	< 0.005	BA	0.04	CU	0.04	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03
650	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
651	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
652	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
653	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
654	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
655	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
656	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
657	< 0.2	0.078	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
658	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
659	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
660	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
660R	< 0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
661	< 0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
662	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
663	< 0.2	0.030	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
663R	< 0.2	0.010	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
664	< 0.2	0.008	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
665	< 0.2	0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
666	< 0.2	0.278	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
667	< 0.2	0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
668	0.2	0.475	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
668R	< 0.2	0.444	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
669	< 0.2	0.190	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
670	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
671	< 0.2	0.566	BA	0.05	CU	0.06	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
672	0.2	0.815	BA	<0.01	CU	0.35	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
673	< 0.2	< 0.005	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
674	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
675	< 0.2	0.008	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
676	< 0.2	0.036	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
676R	0.3	< 0.005	BA	0.05	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
677	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
678	< 0.2	0.117	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
679	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
680	< 0.2	0.088	BA	0.04	CU	0.02	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.03
681	0.4	0.55	BA	0.02	CU	0.02	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
682	< 0.2	0.031	BA	0.03	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
683	0.2	0.380	BA	0.01	CU	0.02	MO	<0.01	PB	0.06	SN	<0.01	W	0.34	ZN	0.04
684	< 0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
685	0.2	0.267	BA	0.03	CU	0.02	MO	<0.01	PB	0.17	SN	<0.01	W	<0.01	ZN	0.05
686	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
687	0.2	0.265	BA	0.01	CU	0.02	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
688	< 0.2	0.048	BA	0.02	CU	0.13	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.09
689	0.2	0.277	BA	0.02	CU	0.02	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.03
690	1.4	1.346	BA	<0.01	CU	0.04	MO	<0.01	PB	0.74	SN	<0.01	W	<0.01	ZN	<0.01
691	0.3	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
692	0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
693	0.5	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.01	ZN	0.01
694	0.3	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
695	0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
696	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
697	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
698	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
699	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
700	0.3	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
701	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
702	0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
703	0.6	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
704	0.2	< 0.005	BA	0.09	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
705	0.3	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
706	0.3	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
707	0.8	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
708	0.3	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
709	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
710	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
711	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
712	0.3	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
713	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
714	< 0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
715	< 0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.01	ZN	0.02
716	0.2	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
717	< 0.2	TRACE	BA	<0.01	CU	0.03	MO	<0.01	PB	0.13	SN	<0.01	W	<0.01	ZN	0.07
718	0.2	< 0.005	BA	<0.01	CU	0.18	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.17
719	< 0.2	TRACE	BA	<0.01	CU	0.02	MO	<0.01	PB	2.03	SN	<0.01	W	<0.01	ZN	0.01
719R	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.01
720	3.2	0.058	BA	<0.01	CU	1.30	MO	<0.01	PB	5.60	SN	<0.01	W	<0.01	ZN	0.65
721	0.4	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.01
722	0.8	0.018	BA	<0.01	CU	0.11	MO	<0.01	PB	1.15	SN	<0.01	W	<0.01	ZN	0.02
723	0.8	0.013	BA	<0.01	CU	0.75	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.13
723R	1.0	< 0.005	BA	0.01	CU	0.71	MO	<0.01	PB	1.82	SN	<0.01	W	<0.01	ZN	0.10
724	0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.06	ZN	0.01
725	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
726	0.2	TRACE	BA	<0.01	CU	0.09	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
727	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.24	SN	<0.01	W	<0.01	ZN	0.01
728	< 0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
729	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
730	< 0.2	0.007	BA	<0.01	CU	0.09	MO	<0.01	PB	1.00	SN	<0.01	W	<0.01	ZN	0.01
731	0.4	TRACE	BA	<0.01	CU	0.10	MO	<0.01	PB	0.97	SN	<0.01	W	0.16	ZN	0.32
731R	< 0.2	< 0.005	BA	0.01	CU	0.07	MO	<0.01	PB	0.70	SN	<0.01	W	0.13	ZN	0.27
732	< 0.2	0.021	BA	<0.01	CU	0.02	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.02
733	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
734	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01

01/12/83 TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
735	0.8	0.303	BA	<0.01	CU	0.05	MO	<0.01	PB	0.51	SN	<0.01	W	<0.01	ZN	0.17
736	0.2	0.144	BA	<0.01	CU	0.04	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03
737	< 0.2	0.075	BA	<0.01	CU	0.02	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.08
738	2.0	0.012	BA	<0.01	CU	0.29	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.02
739	3.2	TRACE	BA	<0.01	CU	0.04	MO	<0.01	PB	0.14	SN	<0.01	W	<0.01	ZN	0.01
740	5.0	0.008	BA	<0.01	CU	0.54	MO	<0.01	PB	0.18	SN	<0.01	W	<0.01	ZN	0.01
741	3.2	TRACE	BA	<0.01	CU	0.10	MO	<0.01	PB	0.14	SN	<0.01	W	<0.01	ZN	0.01
742	0.4	0.012	BA	0.02	CU	1.80	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.03
743	< 0.2	< 0.005	BA	<0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
744	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
745	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
746	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
747	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
748	< 0.2	0.197	BA	0.01	CU	0.02	MO	0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
749	< 0.2	0.027	BA	<0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.05
750	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
751	< 0.2	0.023	BA	0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
752	< 0.2	0.016	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
753	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
754	1.0	0.618	BA	<0.01	CU	0.02	MO	<0.01	PB	0.31	SN	<0.01	W	0.01	ZN	0.43
755	< 0.2	TRACE	BA	0.05	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	0.03	ZN	0.03
756	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
757	0.7	0.036	BA	0.02	CU	0.08	MO	<0.01	PB	1.68	SN	<0.01	W	<0.01	ZN	0.66
758	0.3	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.05
759	0.3	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
760	0.6	0.046	BA	0.02	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
761	1.0	0.064	BA	<0.01	CU	0.07	MO	<0.01	PB	1.69	SN	<0.01	W	0.02	ZN	0.53
762	< 0.2	0.10	BA	<0.01	CU	0.03	MO	<0.01	PB	0.40	SN	<0.01	W	0.01	ZN	0.45
763	2.0	0.285	BA	<0.01	CU	0.06	MO	<0.01	PB	5.30	SN	<0.01	W	0.11	ZN	2.11
764	0.4	< 0.005	BA	<0.01	CU	0.08	MO	<0.01	PB	1.52	SN	<0.01	W	0.01	ZN	0.71
765	0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.07
766	0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.08
767	0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.01	ZN	0.01
768	0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
769	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
770	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
771	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
772	< 0.2	0.006	BA	<0.01	CU	0.21	MO	<0.01	PB	0.05	SN	<0.01	W	0.07	ZN	4.10
773	0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
774	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	0.07	ZN	<0.01
775	0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
776	< 0.2	< 0.005	BA	0.03	CU	1.00	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
777	< 0.2	< 0.005	BA	<0.01	CU	0.19	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
778	< 0.2	TRACE	BA	0.01	CU	0.25	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
779	< 0.2	< 0.005	BA	<0.01	CU	4.90	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
780	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
781	< 0.2	TRACE	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
782	0.4	0.536	BA	<0.01	CU	0.20	MO	<0.01	PB	1.25	SN	<0.01	W	<0.01	ZN	0.03
783	< 0.2	< 0.005	BA	<0.01	CU	0.09	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
784	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
785	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
786	0.2	< 0.005	BA	<0.01	CU	0.04	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
787	0.2	TRACE	BA	<0.01	CU	0.41	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
788	< 0.2	TRACE	BA	0.02	CU	0.44	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
789	0.2	TRACE	BA	<0.01	CU	3.70	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
790	0.4	< 0.005	BA	<0.01	CU	1.35	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
791	< 0.2	< 0.005	BA	0.01	CU	0.25	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
792	< 0.2	< 0.005	BA	0.01	CU	0.08	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
793	< 0.2	< 0.005	BA	0.01	CU	0.10	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
794	< 0.2	< 0.005	BA	<0.01	CU	0.05	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
795	< 0.2	TRACE	BA	0.05	CU	0.06	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
796	< 0.2	TRACE	BA	0.03	CU	0.30	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
797	0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
798	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
799	< 0.2	< 0.005	BA	<0.01	CU	1.14	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
800	< 0.2	TRACE	BA	<0.01	CU	2.25	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
801	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
802	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
803	< 0.2	TRACE	BA	<0.01	CU	5.00	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
804	< 0.2	0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
805	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
806	< 0.2	< 0.005	BA	0.04	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
807	0.2	< 0.005	BA	0.05	CU	0.09	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
808	< 0.2	< 0.005	BA	0.10	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
809	< 0.2	< 0.005	BA	0.02	CU	1.21	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
810	< 0.2	TRACE	BA	0.05	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
811	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
812	< 0.2	< 0.005	BA	<0.01	CU	7.80	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
813	< 0.2	< 0.005	BA	<0.01	CU	1.15	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
814	< 0.2	TRACE	BA	0.05	CU	0.31	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
815	< 0.2	TRACE	BA	0.05	CU	0.10	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
816	< 0.2	< 0.005	BA	0.05	CU	1.46	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
817	< 0.2	< 0.005	BA	0.05	CU	0.10	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
818	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
819	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
820	< 0.2	< 0.005	BA	0.12	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
821	0.4	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.02
822	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
823	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
824	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
825	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
826	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
827	< 0.2	TRACE	BA	0.02	CU	0.03	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.03
828	< 0.2	< 0.005	BA	0.02	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	0.01	ZN	0.04
829	0.4	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
830	< 0.2	0.050	BA	0.01	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.02
831	< 0.2	0.022	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
832	< 0.2	< 0.005	BA	0.09	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
833	< 0.2	0.060	BA	0.02	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	0.02	ZN	0.02
834	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.16	SN	<0.01	W	0.06	ZN	0.07
835	0.2	0.008	BA	<0.01	CU	0.01	MO	<0.01	PB	1.16	SN	<0.01	W	<0.01	ZN	0.29
836	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.06	SN	<0.01	W	0.05	ZN	0.05

01/12/83 TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
837	0.4	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	0.11	SN	<0.01	W	0.13	ZN	0.03
838	1.8	0.005	BA	0.02	CU	0.03	MO	<0.01	PB	0.30	SN	<0.01	W	0.61	ZN	0.04
838R	2.0	< 0.005	BA	0.06	CU	0.02	MO	<0.01	PB	0.42	SN	<0.01	W	0.54	ZN	0.03
839	0.4	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.10	SN	<0.01	W	0.05	ZN	0.03
840	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
841	< 0.2	0.027	BA	<0.01	CU	0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.04
842	1.4	0.013	BA	0.01	CU	0.05	MO	<0.01	PB	0.60	SN	<0.01	W	0.08	ZN	0.45
843	0.2	TRACE	BA	0.05	CU	0.01	MO	<0.01	PB	0.13	SN	<0.01	W	<0.01	ZN	0.12
844	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.20
845	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
846	< 0.2	TRACE	BA	0.08	CU	0.01	MO	<0.01	PB	0.40	SN	<0.01	W	0.01	ZN	0.22
847	0.4	0.008	BA	0.20	CU	0.01	MO	<0.01	PB	0.51	SN	<0.01	W	<0.01	ZN	0.20
848	1.0	TRACE	BA	<0.01	CU	0.10	MO	<0.01	PB	0.36	SN	<0.01	W	0.12	ZN	0.04
848R	0.7	< 0.005	BA	0.02	CU	0.09	MO	<0.01	PB	0.40	SN	<0.01	W	0.15	ZN	0.02
849	0.8	0.021	BA	0.03	CU	0.01	MO	<0.01	PB	0.54	SN	<0.01	W	<0.01	ZN	0.15
850	< 0.2	0.057	BA	<0.01	CU	0.02	MO	<0.01	PB	0.44	SN	<0.01	W	<0.01	ZN	0.06
851	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.31
852	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
853	0.2	TRACE	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
854	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
855	< 0.2	0.050	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.05
856	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.02
857	0.2	0.025	BA	<0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.10
858	< 0.2	0.010	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.08
859	< 0.2	0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.64	SN	<0.01	W	<0.01	ZN	0.12
860	< 0.2	0.108	BA	0.05	CU	0.01	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.07
861	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
862	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
863	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
864	0.2	0.027	BA	0.06	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
865	0.2	0.013	BA	0.15	CU	<0.01	MO	0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
866	0.2	0.016	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
867	0.2	0.006	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
868	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.80	SN	<0.01	W	<0.01	ZN	0.01
869	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
870	< 0.2	0.006	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.04
871	0.4	0.009	BA	0.09	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
872	0.2	0.114	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
873	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
874	0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
875	< 0.2	TRACE	BA	0.02	CU	<0.01	MO	0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
876	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	<0.01
877	0.2	0.117	BA	0.01	CU	0.02	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.05
878	NO SAMPLE															
879	0.4	0.705	BA	0.05	CU	0.07	MO	<0.01	PB	0.29	SN	<0.01	W	<0.01	ZN	0.18
880	2.0	8.82	BA	0.06	CU	0.02	MO	<0.01	PB	1.35	SN	<0.01	W	<0.01	ZN	0.16
881	< 0.2	0.099	BA	0.05	CU	0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.04
882	0.2	0.007	BA	0.08	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
883	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
884	6.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
885	0.4	TRACE	BA	0.15	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	0.01	ZN	0.06

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
886	< 0.2	0.011	BA	0.15	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	0.01	ZN	0.09
887	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
888	0.2	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
889	< 0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
890	0.2	< 0.005	BA	0.16	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
891	< 0.2	< 0.005	BA	0.06	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
892	< 0.2	< 0.005	BA	0.05	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
893	< 0.2	< 0.005	BA	0.10	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
894	0.6	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
895	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
896	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
897	< 0.2	TRACE	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
898	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
899	< 0.2	0.012	BA	0.02	CU	0.09	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.13
900	< 0.2	TRACE	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	0.43	ZN	0.05
901	< 0.2	0.007	BA	0.06	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
902	< 0.2	0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
903	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
904	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
905	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
906	< 0.2	0.011	BA	0.05	CU	0.21	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
907	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
908	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
909	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
910	< 0.2	0.008	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.06
911	2.0	TRACE	BA	0.08	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
912	< 0.2	TRACE	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
913	0.2	0.006	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.08
914	< 0.2	TRACE	BA	0.01	CU	<0.01	MO	<0.01	PB	0.16	SN	<0.01	W	<0.01	ZN	0.02
915	< 0.2	0.009	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
916	0.2	0.024	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
917	< 0.2	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.02
918	< 0.2	0.097	BA	0.02	CU	0.01	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.11
919	< 0.2	< 0.005	BA	0.12	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
920	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
921	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.06
922	< 0.2	TRACE	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
923	< 0.2	0.168	BA	0.04	CU	0.02	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.07
924	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.10
925	0.2	TRACE	BA	0.05	CU	0.02	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.29
926	< 0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
927	< 0.2	TRACE	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
928	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
929	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
930	< 0.2	TRACE	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
931	0.4	0.012	BA	0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.04
932	< 0.2	0.043	BA	0.05	CU	0.02	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.02
933	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
934	< 0.2	TRACE	BA	0.08	CU	0.05	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.02
935	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
936	< 0.2	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
937	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
938	< 0.2	0.065	BA	0.03	CU	0.04	MO	<0.01	PB	0.30	SN	<0.01	W	<0.01	ZN	0.13
939	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
940	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
941	< 0.2	0.030	BA	<0.01	CU	0.01	MO	<0.01	PB	1.35	SN	<0.01	W	<0.01	ZN	0.03
942	0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.01
943	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
944	< 0.2	0.014	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.13
945	< 0.2	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
946	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
947	< 0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
948	< 0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
949	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
950	< 0.2	TRACE	BA	<0.01	CU	0.05	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.01
951	< 0.2	0.007	BA	<0.01	CU	0.02	MO	<0.01	PB	0.21	SN	<0.01	W	<0.01	ZN	0.01
952	< 0.2	< 0.005	BA	<0.01	CU	0.13	MO	<0.01	PB	0.35	SN	<0.01	W	<0.01	ZN	0.03
953	0.2	0.012	BA	0.02	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
954	< 0.2	0.076	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
955	< 0.2	0.363	BA	<0.01	CU	0.03	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.04
956	< 0.2	TRACE	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
957	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
958	< 0.2	TRACE	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
959	< 0.2	0.077	BA	0.05	CU	0.05	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
960	< 0.2	< 0.005	BA	0.02	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
961	< 0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
962	< 0.2	0.019	BA	0.02	CU	0.04	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
963	< 0.2	TRACE	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
964	< 0.2	< 0.005	BA	0.09	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
965	0.2	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
966	< 0.2	TRACE	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
967	< 0.2	< 0.005	BA	<0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
968	< 0.2	0.044	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
969	< 0.2	0.009	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
970	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.05
971	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.06
972	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
973	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
974	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.08
975	< 0.2	< 0.005	BA	0.05	CU	0.02	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	0.24
976	4.3	0.023	BA	0.71	CU	0.38	MO	<0.01	PB	1.35	SN	<0.01	W	0.02	ZN	1.45
977	< 0.2	0.180	BA	0.12	CU	0.02	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.34
978	NO SAMPLE															
979	2.8	0.016	BA	0.76	CU	0.23	MO	<0.01	PB	0.39	SN	<0.01	W	<0.01	ZN	0.30
980	0.5	0.014	BA	0.92	CU	0.44	MO	<0.01	PB	0.77	SN	<0.01	W	<0.01	ZN	1.15
981	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
982	1.4	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.05
983	0.7	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
984	0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
985	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
986	< 0.2	< 0.005	BA	0.06	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
987	0.2	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
988	< 0.2	< 0.005	BA	0.15	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
989	0.2	< 0.005	BA	0.10	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.02
990	< 0.2	< 0.005	BA	0.95	CU	0.18	MO	<0.01	PB	2.40	SN	<0.01	W	0.02	ZN	1.70
991	< 0.2	< 0.005	BA	0.20	CU	0.15	MO	<0.01	PB	1.45	SN	<0.01	W	0.01	ZN	0.75
992	1.2	0.010		NA	CU	0.01		NA	PB	0.19		NA	W	<0.01	ZN	0.39
993	< 0.2	< 0.005	BA	0.63	CU	0.19	MO	<0.01	PB	1.35	SN	<0.01	W	0.03	ZN	2.60
994	23.7	0.069		NA	CU	0.40		NA	PB	9.00		NA	W	<0.01	ZN	2.6
995	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
996	1.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.10
997	22.6	0.212	BA	0.16	CU	0.26	MO	<0.01	PB	1.20	SN	<0.01	W	0.4	ZN	0.58
998	0.4	< 0.005	BA	0.11	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
999	< 0.2	< 0.005	BA	0.20	CU	1.10	MO	<0.01	PB	1.20	SN	<0.01	W	<0.01	ZN	0.61
1000	< 0.2	0.083	BA	0.15	CU	0.06	MO	<0.01	PB	0.10	SN	<0.01	W	0.02	ZN	1.65
1001	< 0.2	< 0.005	BA	4.1	CU	0.29	MO	<0.01	PB	5.50	SN	<0.01	W	<0.01	ZN	0.15
1002	0.6	TRACE		NA	CU	<0.01		NA	PB	0.06		NA	W	<0.01	ZN	0.13
1003	0.2	TRACE		NA	CU	0.64		NA	PB	0.08		NA	W	<0.01	ZN	1.1
1004	4.7	< 0.005	BA	1.55	CU	0.10	MO	<0.01	PB	0.60	SN	<0.01	W	<0.01	ZN	0.35
1005	0.6	0.013	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.10
1006	0.2	0.006		NA	CU	<0.01		NA	PB	0.04		NA	W	<0.01	ZN	0.05
1007	0.4	TRACE		NA	CU	<0.01		NA	PB	0.02		NA	W	<0.01	ZN	0.10
1008	1.3	< 0.005	BA	0.01	CU	0.04	MO	<0.01	PB	0.05	SN	<0.01	W	0.01	ZN	0.48
1009	5.8	0.020		NA	CU	0.08		NA	PB	0.68		NA	W	<0.01	ZN	1.4
1010	2.0	0.006		NA	CU	0.01		NA	PB	0.20		NA	W	<0.01	ZN	0.25
1011	7.2	0.011		NA	CU	0.05		NA	PB	0.44		NA	W	<0.01	ZN	0.80
1012	4.9	0.084	BA	<0.01	CU	0.08	MO	<0.01	PB	1.60	SN	<0.01	W	0.01		NA
1013	0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
1014	< 0.2	< 0.005	BA	0.70	CU	0.13	MO	<0.01	PB	1.60	SN	<0.01	W	<0.01	ZN	0.17
1015	< 0.2	< 0.005	BA	2.0	CU	0.37	MO	<0.01	PB	1.50	SN	<0.01	W	<0.01	ZN	0.10
1016	< 0.2	< 0.005	BA	9.0	CU	0.06	MO	<0.01	PB	4.90	SN	<0.01	W	<0.01	ZN	0.08
1017	< 0.2	< 0.005	BA	0.08	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	0.52
1018	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.25
1019	< 0.2	< 0.005	BA	0.05	CU	0.70	MO	<0.01	PB	1.00	SN	<0.01	W	0.02	ZN	1.70
1020	0.2	< 0.005	BA	0.05	CU	0.10	MO	<0.01	PB	0.85	SN	<0.01	W	<0.01	ZN	0.25
1021	52.4	3.75		NA	CU	0.29		NA	PB	2.29		NA	W	<0.01	ZN	2.5
1022	< 0.2	< 0.005	BA	0.22	CU	0.02	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.37
1023	11.4	0.021		NA	CU	0.11		NA	PB	0.40		NA	W	<0.01	ZN	2.1
1024	< 0.2	< 0.005	BA	0.04	CU	0.17	MO	<0.01	PB	0.55	SN	<0.01	W	0.01	ZN	1.05
1025	3.0	0.007		NA	CU	0.02		NA	PB	0.16		NA	W	<0.01	ZN	2.9
1026	5.2	< 0.005	BA	0.20	CU	0.02	MO	<0.01	PB	0.13	SN	<0.01	W	<0.01	ZN	0.35
1027	1.8	0.005		NA	CU	<0.01		NA	PB	0.18		NA	W	<0.01	ZN	0.50
1028	1.8	TRACE		NA	CU	0.02		NA	PB	0.09		NA	W	<0.01	ZN	2.0
1029	17.0	0.389		NA	CU	0.37		NA	PB	1.41		NA	W	<0.01	ZN	3.1
1030	1.6	< 0.005	BA	0.02	CU	0.24	MO	0.01	PB	0.19	SN	<0.01	W	<0.01	ZN	0.50
1031	0.6	< 0.005	BA	<0.01	CU	0.02	MO	<0.01	PB	0.20	SN	<0.01	W	<0.01	ZN	0.45
1032	0.5	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
1033	1.4	0.064	BA	<0.01	CU	0.01	MO	<0.01	PB	0.21	SN	<0.01	W	0.01	ZN	0.11
1034	0.4	< 0.005	BA	<0.01	CU	0.09	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	1.12
1035	0.3	< 0.005	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1036	0.4	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1037	0.4	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1038	0.3	< 0.005	BA	0.01	CU	0.03	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02

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TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
1039	0.3	< 0.005	BA	<0.01	CU	0.05	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1040	0.2	< 0.005	BA	0.03	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1041	0.6	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1042	0.3	1.457	BA	0.05	CU	0.01	MO	<0.01	PB	0.05	SN	<0.01	W	<0.01	ZN	<0.01
1043	0.3	0.072	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1044	0.3	0.220	BA	<0.01	CU	0.01	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
1045	0.2	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1046	< 0.2	< 0.005	BA	0.03	CU	0.06	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	<0.01
1047	0.3	< 0.005	BA	0.03	CU	0.05	MO	<0.01	PB	0.02	SN	<0.01	W	<0.01	ZN	<0.01
1048	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1049	0.3	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1050	0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1051	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1052	0.6	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.16	SN	<0.01	W	<0.01	ZN	<0.01
1053	0.3	0.010	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.03	SN	<0.01	W	<0.01	ZN	0.01
1054	0.5	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1055	0.3	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1056	0.4	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	0.08	SN	<0.01	W	<0.01	ZN	0.01
1057	0.2	0.014	BA	<0.01	CU	0.01	MO	<0.01	PB	0.18	SN	<0.01	W	<0.01	ZN	0.01
1058	0.4	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	<0.01
1059	0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1060	0.3	0.018	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1061	0.2	< 0.005	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.09
1062	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.04
1063	< 0.2	0.087	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1064	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.04	SN	<0.01	W	<0.01	ZN	0.02
1065	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1066	0.3	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1067	0.3	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1068	0.4	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.15
1069	0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1070	0.3	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1071	0.3	< 0.005	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1072	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1073	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1074	< 0.2	< 0.005	BA	0.05	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1075	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1076	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1077	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1078	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1079	1.6	TRACE	BA	0.10	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1080	0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	0.03	W	0.03	ZN	<0.01
1081	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1082	0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1083	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1084	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1085	0.2	TRACE	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1086	0.4	TRACE	BA	0.09	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1087	0.4	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1088	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1089	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01

01/12/83 TABLE 3 - FIRE ASSAY OR CHEMICAL DIGESTION ANALYSES

SAMPLE NO.	FIRE-AG OZ/TON	FIRE-AU OZ/TON	CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %		CHEM- %	
1090	< 0.2	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1091	0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1092	< 0.2	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1093	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1094	< 0.2	< 0.005	BA	0.04	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1095	< 0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1096	< 0.2	< 0.005	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1097	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1098	0.3	< 0.005	BA	0.02	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1099	0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.07
1100	< 0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1101	0.3	< 0.005	BA	0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
1102	0.3	< 0.005	BA	<0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.07
1103	0.3	< 0.005	BA	0.02	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1104	0.2	< 0.005	BA	0.03	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1105	0.5	0.890	BA	0.01	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1106	0.4	< 0.005	BA	0.04	CU	0.02	MO	<0.01	PB	0.06	SN	<0.01	W	<0.01	ZN	0.02
1107	0.4	0.065	BA	<0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1108	< 0.2	< 0.005	BA	0.05	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
1109	0.3	0.019	BA	0.16	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
1110	0.3	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
1111	0.1	0.225	BA	0.14	CU	0.02	MO	<0.01	PB	0.15	SN	<0.01	W	<0.01	ZN	0.04
1112	0.5	0.369	BA	0.28	CU	0.03	MO	<0.01	PB	0.11	SN	<0.01	W	<0.01	ZN	0.16
1113	1.0	< 0.005	BA	<0.01	CU	0.04	MO	<0.01	PB	0.23	SN	<0.01	W	0.01	ZN	0.29
1114	2.2	0.030	BA	0.02	CU	0.03	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.03
1115	0.2	0.017	BA	0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.02
1116	0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1117	0.2	0.034	BA	0.01	CU	<0.01	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.02
1118	< 0.2	< 0.005	BA	<0.01	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1119	< 0.2	0.121	BA	0.05	CU	0.02	MO	<0.01	PB	0.01	SN	<0.01	W	<0.01	ZN	0.01
1120	< 0.2	0.462	BA	0.04	CU	0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
1121	1.0	< 0.005	BA	0.05	CU	0.02	MO	<0.01	PB	0.29	SN	<0.01	W	<0.01	ZN	0.01
1122	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1123	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.01
1124	< 0.2	< 0.005	BA	0.14	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.03
1125	< 0.2	< 0.005	BA	0.06	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1126	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1127	< 0.2	< 0.005	BA	0.05	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	0.05
1128	< 0.2	< 0.005	BA	0.15	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1129	< 0.2	< 0.005	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1130	< 0.2	TRACE	BA	0.10	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01
1131	0.4	< 0.005	BA	0.11	CU	<0.01	MO	<0.01	PB	<0.01	SN	<0.01	W	<0.01	ZN	<0.01

REPORT DATE 01/12/83

CROSSMAN PEAK WSA, MOHAVE COUNTY, ARIZONA
ANALYTICAL RESULTS
TABLE 4 - SPECTROGRAPHIC ANALYSES - AG TO MG IN PERCENT

SAMPLE NO.	AG	AL	AS	AU	B	BA	CA	CR	CU	FE	GA	MG
2	-	12	-	-	-	0.2	4	0.02	0.003	6	0.04	2
7	-	15	-	-	-	0.2	4	0.02	0.004	7	0.005	2
24	-	0.3	-	-	-	-	0.3	0.008	0.01	1	-	0.03
33	-	8	-	-	-	0.1	5	0.002	0.001	6	0.002	2
34	-	12	-	-	-	0.2	6	0.003	0.005	4	-	0.7
35	-	1	-	-	-	-	3	0.005	0.001	>10	0.002	0.4
35A	-	2	-	-	-	-	4	0.002	-	>10	0.002	0.6
35B	-	6	-	-	-	0.1	4	0.002	0.004	8	0.002	0.8
36	-	4	-	-	-	-	2	0.01	0.001	>10	0.002	0.6
37	-	3	-	-	-	-	2	0.005	0.002	>10	0.002	0.6
37A	-	8	-	-	-	0.1	3	0.003	-	6	0.002	1
38	-	4	-	-	-	-	2	0.003	0.001	>10	0.002	0.6
39	-	4	-	-	-	-	3	0.005	0.001	>10	0.002	0.7
39A	-	8	-	-	-	0.1	3	0.003	0.002	4	0.002	1
40	-	3	-	-	-	-	2	0.005	0.002	>10	0.002	0.5
40A	-	8	-	-	-	0.1	3	0.005	0.001	5	0.002	0.8
41	-	3	-	-	-	-	3	0.005	0.002	>10	0.002	0.5
41A	-	8	-	-	-	0.1	5	0.005	0.001	7	0.002	2
42	-	3	-	-	-	-	4	0.005	0.002	>10	0.002	0.8
52	-	12	-	-	-	0.2	3	0.008	0.006	6	0.002	1
67	-	3	-	-	-	-	7	0.001	> 1	3	-	0.04
69	-	5	-	-	-	-	>10	0.005	0.003	1	-	2
77	0.003	3	-	-	-	-	0.05	0.005	0.02	4	-	0.1
83	0.001	0.3	-	-	-	-	0.1	0.002	0.05	7	-	0.03
88	-	0.1	-	-	-	-	0.1	0.005	0.008	0.8	-	0.05
93	-	15	-	-	0.002	0.07	10	0.01	0.005	7	0.002	2
98	-	3	-	-	-	-	-	0.003	0.008	2	-	0.4
100	-	-	-	-	-	-	0.05	0.003	0.008	0.8	-	0.1
103	-	8	-	-	-	-	0.5	0.005	0.02	4	-	4
104	-	8	-	-	-	-	3	-	0.01	4	0.002	0.6
111	-	6	-	-	-	-	>10	-	0.01	3	-	3
119	-	1	-	-	-	-	0.1	0.005	0.008	2	-	0.1
126	-	2	-	-	-	-	0.2	0.003	0.02	3	-	0.1
129	-	15	-	-	-	0.1	0.5	0.01	0.03	6	0.003	2
130	-	15	-	-	0.003	0.07	5	0.005	0.01	5	0.002	1
134	-	8	-	-	-	-	10	0.005	0.2	3	0.002	3
136	-	8	-	-	-	-	8	0.002	0.1	2	-	0.8
149	-	10	-	-	-	0.1	2	0.005	0.005	2	0.002	1
205	-	8	-	-	-	-	>10	-	-	0.5	-	0.2
211	-	10	-	-	-	-	3	0.002	-	0.5	-	0.1
212	-	12	-	-	-	-	8	0.05	0.005	2	-	> 4
224	-	12	-	-	-	-	5	0.003	0.006	2	0.002	0.3
234	-	15	-	-	-	-	5	0.01	0.008	4	0.002	3
249	-	1	-	-	-	-	0.4	0.003	0.008	1	-	0.3
251	-	2	-	-	-	-	8	0.002	0.02	2	-	0.4
254	-	2	-	-	-	-	1	0.008	0.02	3	-	0.4
257	-	12	-	-	-	0.1	6	-	0.008	3	0.002	1
260	-	15	-	-	-	0.1	3	0.008	0.006	5	0.002	1

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TABLE 4 - SPECTROGRAPHIC ANALYSES - AG TO MG IN PERCENT

SAMPLE NO.	AG	AL	AS	AU	B	BA	CA	CR	CU	FE	GA	MG
263	0.001	8	-	-	-	0.1	0.2	-	0.2	2	-	0.1
269	-	20	-	-	0.002	0.1	8	-	0.1	6	0.002	2
294	-	10	-	-	-	-	6	0.003	0.008	7	0.002	3
295	-	15	-	-	0.002	0.1	0.8	0.005	0.02	3	0.002	0.8
300	-	10	-	-	-	-	5	0.005	0.01	5	0.002	3
303	-	12	-	-	0.002	0.1	0.5	0.003	0.02	3	0.002	0.4
305	-	0.7	-	-	-	-	0.2	0.01	0.02	3	-	0.3
307	-	8	-	-	-	0.07	2	0.002	0.01	3	0.002	2
308	0.002	6	-	-	-	-	4	0.007	0.01	4	-	2
313	-	8	-	-	-	-	5	0.005	0.005	4	-	2
317	-	4	-	-	-	-	0.2	0.002	0.01	3	-	0.6
322	-	3	-	-	-	-	1	0.003	0.008	2	-	0.5
326	-	8	-	-	-	0.07	2	0.01	0.002	4	0.002	3
329	-	4	-	-	-	0.07	2	0.002	0.02	3	-	0.8
330	-	4	-	-	-	-	2	0.002	0.02	2	-	2
334	-	0.5	-	-	-	-	2	0.002	0.1	2	-	0.2
339	-	6	-	-	-	-	5	-	0.005	4	0.002	4
340	-	6	-	-	-	-	1	0.01	0.03	5	-	0.5
341	-	10	-	-	-	-	7	0.002	0.003	5	0.002	2
342	-	17	-	-	0.002	0.07	8	0.005	0.008	5	0.002	2
346	-	17	-	-	0.003	-	7	0.005	0.01	9	0.002	> 4
347	-	8	-	-	0.002	-	6	0.003	0.006	2	-	0.6
350	-	10	-	-	-	-	1	0.005	0.02	5	0.002	4
354	-	12	-	-	-	0.1	6	0.001	0.002	2	-	0.6
360	-	0.06	-	-	-	-	0.1	0.001	0.006	0.5	-	0.06
363	-	0.3	-	-	-	-	0.1	0.002	0.005	0.5	-	0.2
364	-	20	-	-	0.002	-	6	0.03	0.001	3	-	> 4
379	-	17	-	-	-	0.1	2	-	-	1	0.002	2
381	-	8	-	-	-	-	1	0.01	-	0.8	-	2
383	-	4	-	-	-	-	0.05	-	0.003	0.5	-	0.1
388	-	15	-	-	0.002	-	10	0.03	0.003	3	-	> 4
397	0.001	17	-	-	0.002	-	10	0.02	0.002	3	0.002	> 4
403	-	15	-	-	-	-	10	0.1	0.01	2	-	> 4
407	-	15	-	-	-	-	0.2	0.002	0.07	1	-	0.4
409	-	0.8	-	-	-	-	0.1	0.02	0.004	2	-	0.3
415	-	0.3	-	-	-	-	0.03	0.002	0.008	1	-	0.05
421	-	3	-	-	-	-	0.2	0.002	0.01	3	-	0.4
427	-	3	-	-	-	-	0.2	0.002	0.01	3	-	0.3
432	-	0.5	-	-	-	-	0.5	0.002	0.01	1	-	0.2
434	0.001	3	-	-	-	-	0.05	0.002	0.01	1	-	0.2
442	-	2	-	-	-	-	1	0.005	0.01	1	-	0.03
449	-	15	-	-	0.002	0.07	2	0.001	0.01	3	0.002	1
457	-	12	-	-	-	0.07	5	0.005	0.02	5	0.002	2
459	-	15	-	-	0.002	0.07	5	0.005	0.02	6	0.002	3
464	-	3	-	-	-	-	1	-	0.01	1	-	0.4
469	-	10	-	-	-	0.1	2	-	0.008	2	-	0.6
472	0.003	1	0.2	0.004	0.003	-	0.05	0.01	0.01	5	-	0.1
479	-	8	-	-	0.002	0.07	2	0.01	0.02	5	0.003	1
482	-	12	-	-	-	0.1	0.8	0.02	0.02	4	0.002	0.6
487	0.002	0.3	0.1	-	0.002	-	0.5	0.2	0.2	8	-	0.2
490	-	2	-	-	-	-	0.2	0.002	0.02	3	-	0.1

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TABLE 4 - SPECTROGRAPHIC ANALYSES - AG TO MG IN PERCENT

SAMPLE NO.	AG	AL	AS	AU	B	BA	CA	CR	CU	FE	GA	MG
495	-	12	-	-	-	-	4	0.02	0.01	3	-	3
501	-	3	-	-	-	-	0.8	0.003	0.02	2	-	0.4
505	-	8	-	-	-	-	2	0.01	0.008	3	-	1
510	-	0.4	-	-	-	-	0.02	0.02	0.02	2	-	0.06
515	0.006	0.5	0.1	-	0.002	-	0.8	0.05	0.05	6	-	0.1
519	-	1	-	-	-	-	0.8	0.02	0.02	1	-	0.2
530	-	15	-	-	0.005	-	3	0.01	0.02	4	0.004	2
534	-	15	-	-	-	0.1	1	0.04	0.04	4	0.002	0.6
537	-	10	-	-	-	-	3	0.01	0.01	4	0.002	2
543	-	10	-	-	0.002	-	2	0.01	0.01	4	0.003	2
548	-	12	-	-	-	0.1	0.6	0.008	0.02	3	0.002	0.3
555	-	15	-	-	0.002	-	2	0.01	0.01	5	0.002	3
560	-	12	-	-	-	0.1	3	0.003	0.03	6	0.003	2
564	-	8	-	-	-	-	2	0.01	0.03	6	0.002	1
568	-	15	-	-	-	0.07	2	0.002	0.004	3	0.002	0.6
573	-	0.1	-	-	-	-	-	-	0.005	0.8	-	0.01
577	0.003	3	-	-	-	-	0.03	0.005	0.03	4	-	0.1
584	-	3	-	-	-	-	0.5	0.01	0.02	6	-	0.2
588	-	0.2	-	-	-	-	-	0.002	-	0.2	-	0.1
592	-	12	-	-	-	-	3	-	0.002	1.5	-	1
599	-	17	-	-	0.003	-	5	0.005	-	5	0.002	3
600	-	15	-	-	-	0.1	2	-	-	0.5	-	0.2
601	-	12	-	-	-	0.1	0.8	-	-	0.8	-	0.2
605	-	12	-	-	-	-	3	0.02	0.2	5	0.002	3
613	0.001	15	-	0.003	-	0.1	0.3	0.002	0.01	3	0.002	0.4
618	-	12	-	-	-	0.3	1	0.005	0.003	5	0.005	0.6
620	-	12	-	-	-	0.2	1	0.02	0.02	6	0.005	1
636	-	17	-	-	0.002	0.07	3	0.005	0.001	1.5	0.002	2
637	-	15	-	-	0.002	-	8	0.001	0.007	5	0.002	3
655	-	15	-	-	-	0.1	2	0.002	0.01	3	0.002	0.6
659	-	2	-	-	-	-	0.2	-	0.008	0.8	-	0.5
666	-	2	-	-	-	-	0.5	0.003	0.008	1	-	0.2
669	-	3	-	-	-	-	0.2	0.005	0.01	1	-	0.05
671	-	4	-	-	-	-	2	0.005	0.04	2	-	0.6
677	-	15	-	-	-	-	6	0.02	0.01	5	0.002	3
679	-	15	-	-	-	0.07	5	0.02	0.008	6	0.002	3
716	-	8	-	-	0.002	-	8	0.005	0.003	1.5	-	4
719	-	0.04	-	-	-	-	0.3	-	-	1	-	0.006
721	-	0.06	-	-	-	-	0.02	0.002	0.001	0.5	-	0.02
728	-	17	-	-	0.005	0.1	2	0.002	0.003	0.5	0.002	0.2
731	0.002	4	-	-	0.002	-	1	0.01	0.2	2	-	0.3
732	-	6	-	-	-	-	2	0.001	0.01	2	-	0.8
736	-	3	-	-	-	-	1	0.002	0.02	1.5	-	0.8
740	0.006	0.1	-	-	0.003	-	0.2	0.007	1	5	-	0.04
748	-	15	-	0.004	0.002	-	5	0.05	0.02	5	0.002	> 4
755	-	17	-	-	0.002	0.1	10	0.01	0.007	5	0.002	4
770	-	12	-	-	-	-	1.5	0.005	-	0.5	-	0.4
771	0.001	0.1	-	-	-	-	0.5	0.005	0.001	0.2	-	0.2
778	-	6	-	-	-	-	1	0.005	0.5	1	-	2
780	-	6	-	-	-	-	0.2	0.005	0.001	1.5	-	0.2
782	-	8	-	-	0.002	-	0.3	0.005	0.5	3	-	2

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TABLE 4 - SPECTROGRAPHIC ANALYSES - AG TO MG IN PERCENT

SAMPLE NO.	AG	AL	AS	AU	B	BA	CA	CR	CU	FE	GA	MG
787	-	6	-	-	-	-	0.2	-	0.8	1	-	0.3
794	-	15	-	-	-	-	8	0.01	0.2	2	0.002	3
800	-	4	-	-	0.002	-	0.3	0.02	1	6	-	1
801	-	8	-	-	-	-	0.2	0.002	0.02	1.5	-	0.8
803	-	8	-	-	0.002	-	0.8	0.01	> 1	5	-	2
810	-	17	-	-	-	0.07	3	0.003	0.005	1	-	2
811	-	17	-	-	-	0.1	3	0.002	0.02	2	0.002	3
814	-	6	-	-	-	0.07	0.5	0.002	0.3	2	-	1
816	0.001	12	-	-	0.003	-	0.5	0.01	> 1	6	-	2
827	-	15	-	-	-	0.07	4	0.005	0.002	1.5	0.002	2
829	-	15	-	-	-	0.1	5	0.002	0.001	2	-	3
834	-	8	-	-	-	-	2	0.007	0.001	1.5	-	3
837	0.002	10	-	-	-	-	5	0.005	0.001	2	-	3
840	-	12	-	-	-	0.07	3	0.005	-	1.5	-	2
845	-	15	-	-	-	-	10	0.03	0.001	3	-	> 4
846	-	17	-	-	0.002	-	8	0.08	0.002	10	0.003	> 4
849	0.001	0.5	-	-	-	-	0.05	-	0.01	0.3	-	0.02
851	-	17	-	-	0.002	0.07	7	0.01	0.01	5	0.002	4
854	-	0.7	-	-	-	-	-	-	-	0.3	-	0.2
859	-	0.06	-	-	-	-	0.1	-	-	0.8	-	0.01
860	-	17	-	-	-	-	5	-	0.01	2	-	2
865	-	8	-	-	-	-	2	-	0.001	4	0.002	2
871	-	10	-	-	-	0.1	6	0.002	0.007	4	0.002	2
876	-	8	-	-	-	-	3	0.002	0.01	5	0.002	3
881	-	12	-	-	0.002	-	7	0.002	0.01	2	-	2
888	-	17	-	-	0.002	-	7	0.005	-	5	0.002	4
892	-	17	-	-	-	-	8	0.01	0.007	2	0.002	4
895	-	15	-	-	0.002	-	8	0.002	0.005	3	0.002	3
901	-	15	-	-	-	-	8	0.01	0.003	2	0.002	4
906	-	8	-	-	-	0.1	2	0.01	0.6	1	-	0.6
912	-	17	-	-	-	0.1	0.3	0.002	-	1	-	0.2
913	-	12	-	-	-	-	7	0.02	-	2	-	4
918	-	17	-	-	0.002	0.07	6	0.01	0.02	3	-	3
919	-	17	-	-	-	0.3	7	-	0.001	2	0.002	3
927	-	12	-	-	-	-	2	-	-	0.5	-	0.5
933	0.001	12	-	-	-	0.1	1.5	0.002	-	1	-	1
934	-	17	-	-	0.002	0.2	2	0.01	0.07	4	-	4
943	-	17	-	-	0.002	0.1	7	0.02	0.005	3	0.002	4
950	-	0.2	-	-	-	-	0.2	0.002	0.1	0.2	-	0.1
956	0.001	17	-	-	-	0.2	3	0.002	0.003	1.5	0.002	2
961	-	17	-	-	-	0.2	0.3	0.01	0.005	1	-	0.1
963	-	20	-	-	0.005	0.1	6	0.02	0.005	6	0.002	> 4
969	-	12	-	-	-	0.07	0.8	-	0.001	0.5	0.002	0.4
977	0.001	10	-	-	-	0.2	2	0.01	0.04	6	0.004	0.8
984	-	12	-	-	0.002	0.1	>10	0.03	0.004	7	0.002	3
992	0.002	6	-	-	-	-	5	-	0.02	1	-	0.3
1005	0.001	12	-	-	0.002	0.2	10	0.008	0.005	4	0.003	0.8
1006	-	12	-	-	-	0.07	5	-	0.005	3	0.002	0.5
1010	0.002	10	-	-	-	-	3	0.01	0.05	4	0.002	2
1023	0.006	8	-	-	0.003	0.3	0.3	0.01	0.07	3	0.002	1
1026	0.004	10	-	-	0.01	0.2	0.4	0.02	0.02	4	0.002	1

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TABLE 4 - SPECTROGRAPHIC ANALYSES - AG TO MG IN PERCENT

SAMPLE NO.	AG	AL	AS	AU	B	BA	CA	CR	CU	FE	GA	MG
1029	0.01	1	-	-	0.002	0.5	0.2	0.05	0.5	3	-	0.1
1030	0.003	3	-	-	-	-	0.6	0.001	0.2	2	-	0.4
1034	-	8	-	-	-	0.07	8	0.003	0.006	2	-	1
1039	-	8	-	-	0.002	0.1	2	0.002	0.01	8	0.002	0.3
1042	-	5	-	-	-	-	0.3	0.002	0.01	6	-	0.3
1047	-	8	-	-	-	0.07	0.2	-	0.02	2	-	0.2
1052	-	4	-	-	0.002	-	0.2	0.002	0.01	5	-	0.3
1057	-	4	-	-	0.002	-	8	-	0.01	4	-	0.6
1063	-	3	-	-	-	-	1	0.002	0.01	1	-	0.2
1069	-	10	-	-	0.002	-	10	0.008	0.004	4	-	> 3
1098	-	15	-	-	-	-	10	0.02	0.008	6	0.003	3
1101	-	12	-	-	-	0.1	5	0.01	0.007	4	0.003	3
1105	-	17	-	-	0.002	0.1	8	0.008	0.008	6	0.002	3
1111	-	6	-	-	-	-	10	0.01	0.01	4	-	0.6
1115	-	15	-	-	-	0.1	2	0.003	0.01	4	0.002	0.3
1116	-	6	-	-	-	0.07	1	0.001	0.008	2	-	0.3
1120	-	8	-	-	0.002	0.07	5	0.005	0.02	5	0.002	0.8

REPORT DATE 01/12/83

CROSSMAN PEAK WSA, MOHAVE COUNTY, ARIZONA
ANALYTICAL RESULTS
TABLE 5 - SPECTROGRAPHIC ANALYSES - MN TO ZN IN PERCENT

SAMPLE NO.	MN	MO	NA	NI	PB	SI	SR	TI	V	Y	ZR	ZN
2	0.04	-	3	0.006	-	>20	-	0.3	0.02	0.006	0.05	-
7	0.06	-	4	0.006	-	>20	0.3	0.5	0.03	0.006	0.03	-
24	0.008	-	-	0.003	-	>20	-	0.003	-	-	-	-
33	0.06	-	3	0.005	-	>20	0.08	0.3	0.003	-	0.01	-
34	0.08	-	3	-	-	>20	0.1	0.2	0.003	0.005	0.03	-
35	0.06	0.001	-	0.003	-	10	-	> 1	0.06	0.01	0.02	-
35A	0.06	-	0.6	0.003	-	15	-	1	0.04	0.005	0.02	-
35B	0.06	-	3	0.005	-	>20	0.01	1	0.005	0.002	0.005	-
36	0.05	-	1	0.005	-	>20	-	0.6	0.01	0.005	0.007	-
37	0.06	0.001	1	0.006	-	20	-	1	0.03	0.01	0.03	-
37A	0.06	-	2	0.005	-	>20	0.1	0.5	0.005	0.002	0.02	-
38	0.08	-	1	0.004	-	20	-	1	0.02	0.005	0.05	-
39	0.06	-	1	0.004	-	>20	-	> 1	0.02	0.02	0.03	-
39A	0.06	-	2	0.006	-	>20	0.1	0.4	0.003	0.005	0.005	-
40	0.08	0.001	0.5	0.004	-	15	-	> 1	0.04	0.02	0.03	-
40A	0.04	-	2	0.007	-	>20	0.2	0.4	0.003	0.005	0.004	-
41	0.05	-	0.8	0.005	0.002	15	-	1	0.02	0.005	0.01	-
41A	0.08	-	3	0.01	-	>20	0.2	0.6	0.01	0.002	0.01	-
42	0.08	0.001	0.5	0.006	-	15	-	> 1	0.04	0.01	0.02	-
52	0.08	-	3	0.004	-	>20	0.1	0.3	0.005	-	0.02	-
67	0.04	-	0.5	-	-	>20	-	0.001	-	-	-	0.1
69	0.03	-	2	0.002	-	15	0.06	0.2	-	-	0.005	-
77	0.02	-	0.4	-	> 1	>20	-	0.008	-	-	-	0.1
83	0.02	0.004	-	-	1	>20	-	-	0.005	-	-	0.1
88	0.006	-	-	0.002	-	>20	-	0.003	-	-	-	-
93	0.1	-	-	0.01	-	>20	-	0.6	0.005	-	-	-
98	0.04	-	-	0.002	0.03	>20	-	0.03	-	-	-	-
100	0.01	-	-	-	-	>20	-	0.002	-	-	-	-
103	0.08	-	1	0.002	0.1	>20	-	0.4	0.01	0.005	0.005	-
104	0.08	0.005	2	-	0.1	>20	-	0.3	-	0.005	0.01	-
111	0.08	-	1.5	0.002	0.8	>20	-	0.6	-	0.01	-	0.7
119	0.01	-	-	0.002	0.1	>20	-	0.05	-	-	0.005	-
126	0.01	0.003	-	-	0.2	>20	-	0.04	-	-	-	-
129	0.06	-	0.6	0.01	0.06	>20	-	0.4	0.005	0.01	0.02	-
130	0.06	-	2	0.003	0.04	>20	-	0.4	0.003	0.01	0.03	-
134	0.08	-	3	0.005	-	>20	-	0.6	0.005	-	0.01	-
136	0.06	-	3	0.002	-	>20	-	0.08	-	-	0.006	-
149	0.06	-	3	0.002	-	>20	0.06	0.1	-	-	0.01	-
205	0.2	-	-	-	-	>20	0.06	0.02	-	-	-	-
211	0.03	-	0.8	0.002	0.01	>20	-	0.01	-	-	-	-
212	0.06	-	3	0.02	-	>20	-	0.4	0.003	-	0.005	-
224	0.05	-	4	0.002	-	>20	-	0.06	-	-	-	-
234	0.08	-	4	0.008	0.04	>20	-	0.2	0.003	0.005	0.005	-
249	0.02	-	-	-	-	>20	-	0.01	-	-	-	-
251	0.04	-	-	-	0.04	>20	-	0.06	-	-	-	-
254	0.02	-	-	0.01	-	>20	-	0.05	-	-	-	-
257	0.1	-	4	-	0.06	>20	0.06	0.2	-	-	0.005	-
260	0.08	-	3	0.003	-	>20	0.1	0.3	0.008	0.005	0.01	-

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TABLE 5 - SPECTROGRAPHIC ANALYSES - MN TO ZN IN PERCENT

SAMPLE NO.	MN	MO	NA	NI	PB	SI	SR	TI	V	Y	ZR	ZN
263	0.01	-	1	-	0.8	>20	-	0.03	-	-	0.01	-
269	0.1	-	3	0.003	-	>20	0.06	0.5	0.01	-	-	-
294	0.1	-	3	-	-	>20	0.08	0.6	0.008	0.01	0.02	-
295	0.04	-	4	0.002	-	>20	-	0.2	0.003	-	0.03	-
300	0.08	-	2	0.003	0.01	>20	-	0.6	0.007	-	0.004	-
303	0.05	-	3	-	-	>20	-	0.08	0.01	-	0.02	-
305	0.02	-	-	-	0.03	>20	-	0.02	-	-	-	-
307	0.08	-	2	0.002	0.04	>20	-	0.3	0.003	-	-	-
308	0.03	-	0.4	0.005	0.02	>20	-	0.2	0.003	-	-	-
313	0.06	-	2	0.003	0.01	>20	-	0.4	0.003	-	0.005	-
317	0.04	-	-	0.004	0.01	>20	-	0.08	-	-	-	-
322	0.02	-	-	0.002	0.06	>20	-	0.2	-	-	-	-
326	0.04	-	1.5	0.003	0.06	>20	-	0.3	0.005	-	0.01	-
329	0.05	-	0.5	0.003	0.03	>20	-	0.1	-	-	-	-
330	0.03	0.02	1.5	0.002	0.3	>20	-	0.3	0.003	-	0.005	-
334	0.01	-	-	0.05	0.3	>20	-	0.06	-	-	-	0.1
339	0.06	-	-	0.002	0.3	>20	-	0.3	0.005	-	-	-
340	0.06	-	0.8	0.003	0.04	>20	-	0.08	-	-	0.01	0.1
341	0.04	-	3	0.002	-	>20	-	0.3	-	-	0.02	-
342	0.06	-	2	0.004	0.1	>20	-	0.3	0.01	-	0.008	-
346	0.1	0.002	3	0.01	-	>20	-	0.8	0.02	-	0.005	-
347	0.04	-	-	-	-	>20	-	0.2	0.005	-	-	-
350	0.08	-	1	0.003	0.2	>20	-	0.6	0.02	-	-	-
354	0.06	-	3	-	-	>20	-	0.06	-	-	0.02	-
360	0.004	-	-	-	0.08	>20	-	0.003	-	-	-	-
363	0.01	-	-	-	0.01	>20	-	-	-	-	-	-
364	0.06	-	> 4	0.02	0.01	>20	-	0.8	0.01	-	-	-
379	0.06	-	4	-	-	>20	-	0.3	-	-	0.01	-
381	0.04	-	2	0.003	0.02	>20	-	0.1	-	-	-	-
383	0.02	-	-	-	0.3	>20	-	-	-	-	-	-
388	0.08	-	2	0.05	-	>20	-	0.5	0.003	-	-	-
397	0.1	-	4	0.01	-	>20	-	0.2	0.005	-	-	-
403	0.08	-	3	0.02	-	>20	-	0.6	0.005	-	0.005	-
407	0.04	-	3	-	0.2	>20	-	0.4	-	-	-	0.1
409	0.02	-	-	0.002	0.04	>20	-	0.1	-	-	-	-
415	0.008	-	-	-	0.04	>20	-	0.05	-	-	-	-
421	0.03	-	-	-	0.08	>20	-	0.3	-	-	-	-
427	0.03	-	-	-	0.1	>20	-	0.3	-	-	0.005	-
432	0.02	-	-	-	0.02	>20	-	0.08	-	-	-	-
434	0.02	-	-	-	0.04	>20	-	0.1	-	-	-	-
442	0.3	-	-	0.002	0.03	>20	-	0.06	-	-	-	-
449	0.08	-	2	0.002	0.02	>20	-	0.6	-	-	0.008	-
457	0.08	-	3	0.005	-	>20	-	0.5	0.003	0.005	0.005	-
459	0.1	-	3	0.005	-	>20	-	0.8	0.01	-	0.008	-
464	0.03	-	-	-	-	>20	-	0.2	-	-	-	-
469	0.06	-	3	-	-	>20	-	0.1	-	-	0.01	-
472	0.02	0.002	-	0.008	0.1	>20	-	0.1	-	-	-	-
479	0.1	-	2	0.01	0.02	>20	-	0.3	-	-	0.02	-
482	0.06	-	3	0.01	0.01	>20	-	0.2	-	0.01	0.02	-
487	0.03	-	-	0.01	1	>20	-	0.08	-	-	-	5
490	0.02	-	-	0.002	0.1	>20	-	0.05	-	-	-	-

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TABLE 5 - SPECTROGRAPHIC ANALYSES - MN TO ZN IN PERCENT

SAMPLE NO.	MN	MO	NA	NI	PB	SI	SR	TI	V	Y	ZR	ZN
495	0.08	-	0.8	0.01	0.01	>20	-	0.4	0.003	-	0.01	-
501	0.06	-	-	0.002	0.04	>20	-	0.4	-	-	-	0.2
505	0.06	-	-	0.003	-	>20	-	0.6	-	-	-	-
510	0.02	-	-	0.01	0.02	>20	-	0.003	-	-	-	-
515	0.03	-	-	0.02	> 1	>20	-	0.003	-	-	-	0.5
519	0.02	-	-	0.003	0.01	>20	-	0.03	-	-	-	-
530	0.08	-	-	0.02	-	>20	-	0.6	0.005	-	-	-
534	0.06	-	3	0.01	0.01	>20	-	0.2	-	-	0.03	-
537	0.08	-	2	0.02	-	>20	-	0.4	0.005	-	-	-
543	0.06	-	1	0.008	0.03	>20	-	0.4	0.003	-	0.008	-
548	0.06	-	1	0.008	0.02	>20	-	0.2	-	-	0.02	-
555	0.06	-	3	0.02	-	>20	-	0.6	0.01	-	0.01	-
560	0.04	-	3	0.004	0.08	>20	-	0.6	0.02	0.005	0.02	-
564	0.04	-	1	0.008	0.05	>20	-	0.5	0.03	0.005	0.01	-
568	0.06	-	3	0.002	-	>20	-	0.2	-	0.01	0.01	-
573	0.004	-	-	-	-	>20	-	0.003	-	-	-	-
577	0.008	-	-	0.002	0.8	>20	-	0.06	-	-	-	-
584	0.01	-	-	0.005	0.1	>20	-	0.06	-	-	0.005	-
588	0.006	-	-	-	0.02	>20	-	-	-	-	-	-
592	0.04	-	3	0.002	0.08	>20	-	0.4	-	-	-	-
599	0.08	-	2	0.003	-	>20	-	0.8	0.005	-	0.02	-
600	0.02	-	4	-	-	>20	-	0.1	-	0.01	0.02	-
601	0.03	-	3	-	-	>20	-	0.1	-	0.01	0.02	-
605	0.06	-	2	0.02	-	>20	-	0.5	0.003	0.005	0.005	-
613	0.02	-	4	0.002	-	>20	-	0.2	-	-	0.005	-
618	0.004	-	4	-	-	>20	0.2	0.3	0.005	0.01	0.06	-
620	0.04	-	3	0.008	0.03	>20	-	0.4	0.02	0.005	0.03	-
636	0.06	-	4	0.002	-	>20	-	0.2	0.003	-	-	-
637	0.08	-	4	0.003	-	>20	0.06	0.6	0.005	-	-	-
655	0.04	-	3	0.002	-	>20	-	0.3	-	-	0.01	-
659	0.008	-	0.4	-	-	>20	-	0.005	-	-	-	-
666	0.01	-	-	-	0.01	>20	-	0.01	-	-	-	-
669	0.01	-	-	0.002	0.02	>20	-	0.005	-	-	-	-
671	0.03	-	0.6	-	-	>20	-	0.1	-	-	-	-
677	0.08	-	1	0.008	-	>20	-	0.5	0.02	0.005	-	-
679	0.08	-	3	0.01	0.01	>20	-	0.5	0.005	-	0.02	-
716	0.04	-	-	0.005	-	>20	-	0.1	0.003	-	-	-
719	0.002	-	-	0.002	0.01	>20	-	-	-	-	-	-
721	0.004	-	-	0.002	-	>20	-	-	-	-	-	-
728	0.04	-	> 4	0.002	0.01	>20	-	0.006	-	-	-	-
731	0.04	-	-	0.002	0.8	>20	-	0.01	-	-	-	0.3
732	0.04	-	-	0.002	0.03	>20	-	0.08	-	-	-	-
736	0.02	0.004	-	0.002	0.02	>20	-	0.001	-	-	-	-
740	0.01	-	-	0.01	0.1	>20	-	-	-	-	-	-
748	0.06	0.001	1	0.03	0.08	>20	-	0.6	0.01	-	-	-
755	0.08	-	2	0.003	0.06	>20	-	0.6	0.01	-	0.005	-
770	0.03	-	4	0.002	0.01	>20	-	0.02	-	-	-	-
771	0.01	-	-	-	0.01	>20	-	-	-	-	-	-
778	0.04	-	0.6	0.002	-	>20	-	0.05	-	-	-	-
780	0.02	-	3	0.002	-	>20	-	0.2	-	-	-	-
782	0.04	-	2	0.002	> 1	>20	-	0.3	0.003	-	0.005	-

01/12/83 TABLE 5 - SPECTROGRAPHIC ANALYSES - MN TO ZN IN PERCENT

SAMPLE NO.	MN	MO	NA	NI	PB	SI	SR	TI	V	Y	ZR	ZN
787	0.04	-	3	-	-	>20	-	0.03	-	-	-	-
794	0.08	0.003	4	-	-	>20	-	0.3	0.005	-	0.004	-
800	0.02	-	-	0.005	-	>20	-	0.2	0.003	-	-	0.1
801	0.03	-	2	0.002	-	>20	-	0.3	-	-	0.03	-
803	0.06	-	4	0.003	-	>20	-	0.3	0.003	-	-	0.1
810	0.04	-	4	0.003	-	>20	-	0.2	-	-	0.005	-
811	0.08	-	4	0.002	-	>20	-	0.06	-	-	0.03	-
814	0.04	-	1	0.002	-	>20	-	0.3	0.003	-	0.007	-
816	0.03	-	0.8	0.005	-	>20	-	0.4	0.003	-	-	0.1
827	0.06	-	4	0.003	0.06	>20	-	0.3	-	-	-	-
829	0.08	-	4	0.002	0.02	>20	-	0.5	0.003	-	-	-
834	0.06	-	1	0.003	0.06	>20	-	0.3	-	-	-	-
837	0.08	-	1	0.003	0.1	>20	-	0.6	0.003	-	-	-
840	0.04	-	2	0.003	-	>20	-	0.5	-	-	0.005	-
845	0.08	-	3	0.01	-	>20	-	0.6	0.003	-	0.005	-
846	0.1	-	-	0.04	0.3	>20	-	0.6	0.005	-	-	0.1
849	0.006	-	-	-	0.5	>20	-	0.001	-	-	-	0.1
851	0.2	-	> 4	0.005	0.1	-	-	0.6	0.01	-	0.03	0.3
854	0.01	-	-	-	0.02	>20	-	-	-	-	-	-
859	0.01	-	-	-	0.5	>20	-	-	-	-	-	0.2
860	0.06	-	4	0.002	0.08	>20	-	0.5	-	-	-	0.1
865	0.08	-	3	0.002	0.01	>20	-	0.5	-	-	0.005	-
871	0.1	-	3	0.003	-	>20	-	0.6	0.003	0.005	0.005	-
876	0.1	-	3	0.003	0.02	>20	-	0.6	0.005	0.005	-	-
881	0.08	-	2	0.002	0.03	>20	-	0.3	-	-	-	-
888	0.1	-	3	0.003	-	>20	-	0.6	0.01	-	0.005	-
892	0.1	-	4	0.005	-	>20	-	0.5	0.005	-	-	-
895	0.1	-	3	0.002	-	>20	-	0.5	0.01	-	0.005	-
901	0.08	-	4	0.005	-	>20	-	0.4	0.005	-	0.007	-
906	0.06	0.003	4	0.003	0.01	>20	-	0.2	-	-	-	-
912	0.03	-	> 4	0.002	-	>20	-	0.05	-	-	0.005	-
913	0.1	-	1	0.01	-	>20	-	0.2	0.003	-	-	-
918	0.1	-	4	0.005	0.08	>20	-	0.4	0.003	-	0.005	-
919	0.1	-	> 4	-	-	>20	-	0.6	0.003	0.01	0.04	-
927	0.02	-	> 4	-	0.01	>20	-	0.01	-	-	-	-
933	0.04	-	3	-	-	>20	-	0.1	-	-	0.005	-
934	0.1	-	3	0.007	0.06	>20	-	0.6	0.005	0.01	0.01	-
943	0.08	0.001	4	0.01	-	>20	0.06	0.8	0.01	-	0.01	-
950	0.01	-	-	-	0.06	>20	-	-	-	-	-	-
956	0.08	-	4	0.002	-	>20	-	0.2	-	-	-	-
961	0.03	0.002	4	0.005	-	>20	-	0.02	-	-	0.005	-
963	0.1	0.002	4	0.005	-	>20	0.06	0.6	0.02	0.005	-	-
969	0.03	-	2	-	-	>20	-	0.1	-	0.005	0.01	-
977	0.04	0.008	0.8	0.005	0.08	>20	-	0.4	0.02	0.008	0.02	-
984	0.1	-	0.5	0.02	-	>20	0.06	0.5	0.01	-	0.004	-
992	0.06	-	2	0.002	0.3	>20	-	0.1	0.003	-	-	0.3
1005	0.3	-	2	0.003	-	>20	0.06	0.6	0.005	-	0.01	-
1006	0.1	-	1	-	0.1	>20	-	0.6	-	0.005	0.005	-
1010	0.08	-	0.4	0.003	0.4	>20	-	0.6	0.005	0.01	0.005	0.2
1023	0.08	-	-	0.003	0.6	>20	-	0.6	0.005	0.005	0.005	2
1026	0.1	-	-	0.01	0.1	>20	-	0.4	0.01	-	0.01	0.3

01/12/83

TABLE 5 - SPECTROGRAPHIC ANALYSES - MN TO ZN IN PERCENT

SAMPLE NO.	MN	MO	NA	NI	PB	SI	SR	TI	V	Y	ZR	ZN
1029	0.04	0.001	-	0.002	1	>20	-	0.1	-	-	-	2
1030	0.01	0.02	-	-	0.08	>20	-	0.06	-	-	-	0.5
1034	0.06	-	-	-	-	>20	-	0.2	-	-	-	-
1039	0.06	-	2	0.002	-	>20	-	0.4	0.003	-	0.08	-
1042	0.03	0.002	-	-	0.08	>20	-	0.08	-	-	-	-
1047	0.02	-	2	-	0.08	>20	-	0.06	0.008	-	-	-
1052	0.04	-	-	-	0.2	>20	-	0.06	-	-	-	-
1057	0.2	-	-	-	0.1	>20	-	0.05	-	-	-	-
1063	0.03	-	0.8	-	0.03	>20	-	0.05	-	-	0.004	-
1069	0.08	-	1	0.003	-	>20	-	0.3	0.005	-	-	-
1098	0.08	-	3	0.01	-	>20	0.1	0.6	0.01	-	0.008	-
1101	0.08	-	4	0.004	0.01	>20	0.1	0.5	0.008	-	0.01	-
1105	0.08	-	> 4	0.003	0.01	>20	0.1	0.6	0.01	-	0.03	-
1111	0.08	-	-	-	0.08	>20	-	0.08	0.005	-	-	-
1115	0.06	-	4	-	0.01	>20	-	0.2	0.003	0.02	0.004	-
1116	0.02	-	-	-	-	>20	-	0.3	-	-	0.01	-
1120	0.08	-	0.4	0.004	-	>20	-	0.6	0.005	0.01	0.02	-

EXPLANATION OF SYMBOLS FOR MINE AND PROSPECT MAP

APPROXIMATE BOUNDARY OF THE CROSSMAN PEAK WILDERNESS STUDY AREA

PATENTED MINING CLAIMS

UNPATENTED MINING CLAIMS

○1118 LOCALITY OF SAMPLED OUTCROP--Showing sample number

●970 LOCALITY OF BULK GRAB STREAM SEDIMENT SAMPLE--Showing sample number

△1124-1127 LOCALITY OF PANNED CONCENTRATE STREAM SEDIMENT SAMPLE--Showing sample number

▲1,2 LOCALITY OF BULK GRAB AND PANNED CONCENTRATE STREAM SEDIMENT SAMPLE--Showing sample number

SURFACE OPENINGS--Showing sample locality number; symbol may represent more than one working

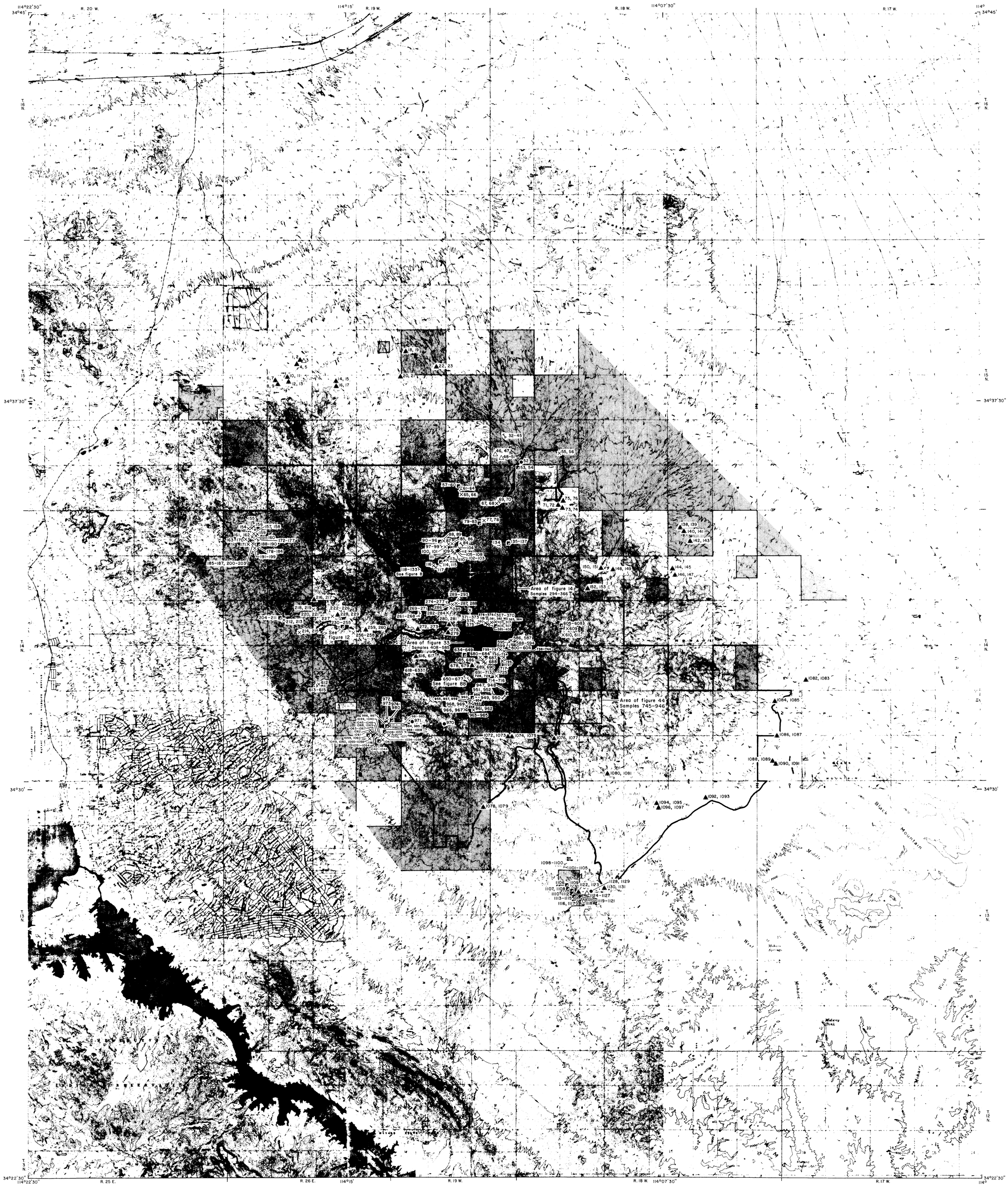
24-31 Shaft

974-980 Inclined shaft

×1041 Prospect pit

84 Trench

134 Adit



Base map from U.S. Geological Survey
Buck Mountains, 1970; Buck Mountains NE, 1970; Buck Mountains SE, 1970;
Crossman Peak, 1970; Franconia, 1970; Lake Havasu City North, 1970;
Lake Havasu City South, 1970; Parker Dam, 1959; Standard Wash, 1959.

SCALE 1:48,000
0 1 2 3 MILES
CONTOUR INTERVALS 20, 40, AND 80 FEET

ARIZONA
MAP LOCATION

Field work completed in 1982 by Thomas D. Light
and John McDonnell; assisted by Alan Bielski, John Briggs,
Patti Corbetta-Glasscock, Dionn Gese,
Mike Lane, and Russell Schreiner.

MINE AND PROSPECT MAP OF THE CROSSMAN PEAK WILDERNESS STUDY AREA, MOHAVE COUNTY, ARIZONA

BY

THOMAS D. LIGHT, U.S. GEOLOGICAL SURVEY, AND JOHN R. McDONNELL, Jr., U.S. BUREAU OF MINES

1983