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moderate scale, and is now producing under the present owner, the St. Louis Consolidated Mining and Milling Company, with headquarters at Los Angeles. This company acquired it in 1905. The property comprises 19 claims, but the developments are chiefly on the St. Louis Claim.

The mine is developed principally by adit drifts and tunnels, mostly within a vertical range of 340 feet, and contains about 1,000 feet of underground work. The shaft on the Knocker claim, however, is reported to be 110 feet deep.

Five distinct veins are reported to occur in pre-Cambrian gneiss. Several of the veins are said to converge near the southeast end of the St. Louis claim. Three of the veins trend northwest and dip 80° NE., and two trend about north and south and dip 85° E. The hanging wall of all the veins is said to be gneiss. The north-south veins are reported to have in most places a "porphyry" foot wall. These veins average about 5 feet in width and are said to be richer than the northwest-southeast veins and to contain more silver. The richest ore they contain is said to be steel galena. The ore occurs in shoots or bunches varying from 2 to 16 inches in width. It contains about $3 in gold and 12 ounces of silver to the ton and 55 to 75 per cent of lead.

The northwest-southeast veins are said to have a dark rock on the foot wall, with gneiss occurring locally on each wall. The largest of these veins is said to be 4 feet in average width, but it carries less ore than the smaller veins.

The two veins now being worked are known as Nos. 2 and 3. They are about 3 feet wide and the ore varies from 4 to 16 inches in width. In carload lots the ore is said to average about 60 per cent of lead and $2 in gold and 14 ounces in silver to the ton. Most of the ore thus far produced has been obtained within 40 feet of the surface. The management is now taking out shipping ore only and doing development work.

BLANKET VEIN PROPERTY.

The Blanket Vein property is about half a mile southwest of the Gem mine, just below the mouth of Charcoal Canyon. It is principally owned by the Golden Star Mining and Milling Company. The deposit is a gold-bearing quartz vein, resting on pre-Cambrian granite. It dips northeasterly at the low angle of about 30°, and is unique in being now bared, the granite having been completely removed from the upper surface by erosion over a nearly equidimensional area of about 500,000 square feet.

The vein is about 1 foot in average thickness and is said to contain about $8 in gold to the ton, or a total value of more than $90,000 for the area of the deposit thought to be in sight. Hornings and assays

show portions of the deposit to contain as high as $20 in gold to the ton. The gold is mostly free milling. The quartz also contains some iron, principally hematite and limonite, derived from pyrite by oxidation.

STOCKTON HILL DISTRICT.

GENERAL OUTLINE.

LOCATION AND HISTORY.

The Stockton Hill district joins the Cerbat district on the east, and is about parallel and coextensive with it north and south, being situated on the opposite slope of the mountains. It is about 4 miles in width and but little more in length. It ranges in elevation from 3,500 feet at the edge of Hualpai Valley on the east to 5,500 feet at the crest of the range.

The principal and oldest camp is Stockton Hill, situated in the foothills in the eastern part of the district, 10 miles north of Kingman, at an elevation of about 4,800 feet. It dates from early in the sixties, when the principal veins were first discovered and began to produce. In former days much of the ore was shipped to Swansea, Wales, but later it was treated in the Mineral Park and Cerbat mills and shipped to the smelters in San Francisco and to New Mexico. At present the ore is hauled by wagon to Barry or Kingman, whence it is shipped, mostly to Needles. The district is reported to have produced many million dollars' worth of ore.

TOPOGRAPHY AND GEOLOGY.

The topography, shown in part in the sketch map (fig. 16), is generally rough, but the mines are nearly all accessible by wagon roads, mostly of easy grade. The drainage issues eastward into Hualpai Valley, mainly through several short side valleys or transverse washes—the Canyon Station, C. O. D., I. X. L. (known as I. X. L. Basin from the width and open character of its middle part), Cupel, Treasure Hill, and Maywell. In their upper parts most of the washes contract into V-shaped gulches.

The country rock is the pre-Cambrian gneiss and schist complex. It is reddish brown and iron stained and is intruded by dikes of granite porphyry, diabase, and other rocks, mostly of basic character. The schistosity trends about N. 30° E. and dips usually vertically or at steep angles to the northwest. The dominant jointing or sheeting strikes northwest.

ORE DEPOSITS AND MINES.

The deposits occur in pre-Cambrian gneiss or schist, intruded in places by a later aplitic granite or by basic dikes. They are fissure

veins, which in general strike northwesterly and are vertical or dip at steep angles to the northeast. The gangue is quartz and the ores contain chiefly silver, with some gold, lead, and copper. Primary sulphide minerals are galena, zinc blende, chalcopyrite, and pyrite, but the district owes its reputation to the rich silver ores, such as native silver, cerargyrite, argentite, and ruby silver, which were found in large quantities in the upper levels. The water level is about 100 feet below the surface. Galena is often found above it, while rich silver minerals descend to a considerable distance below it. The greatest depth attained is 400 feet.

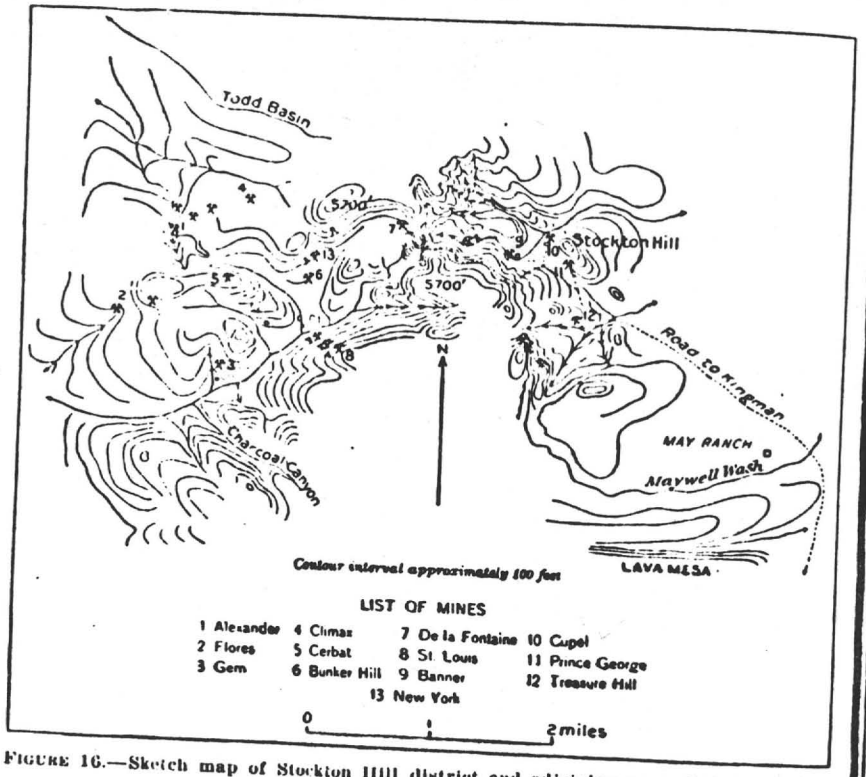
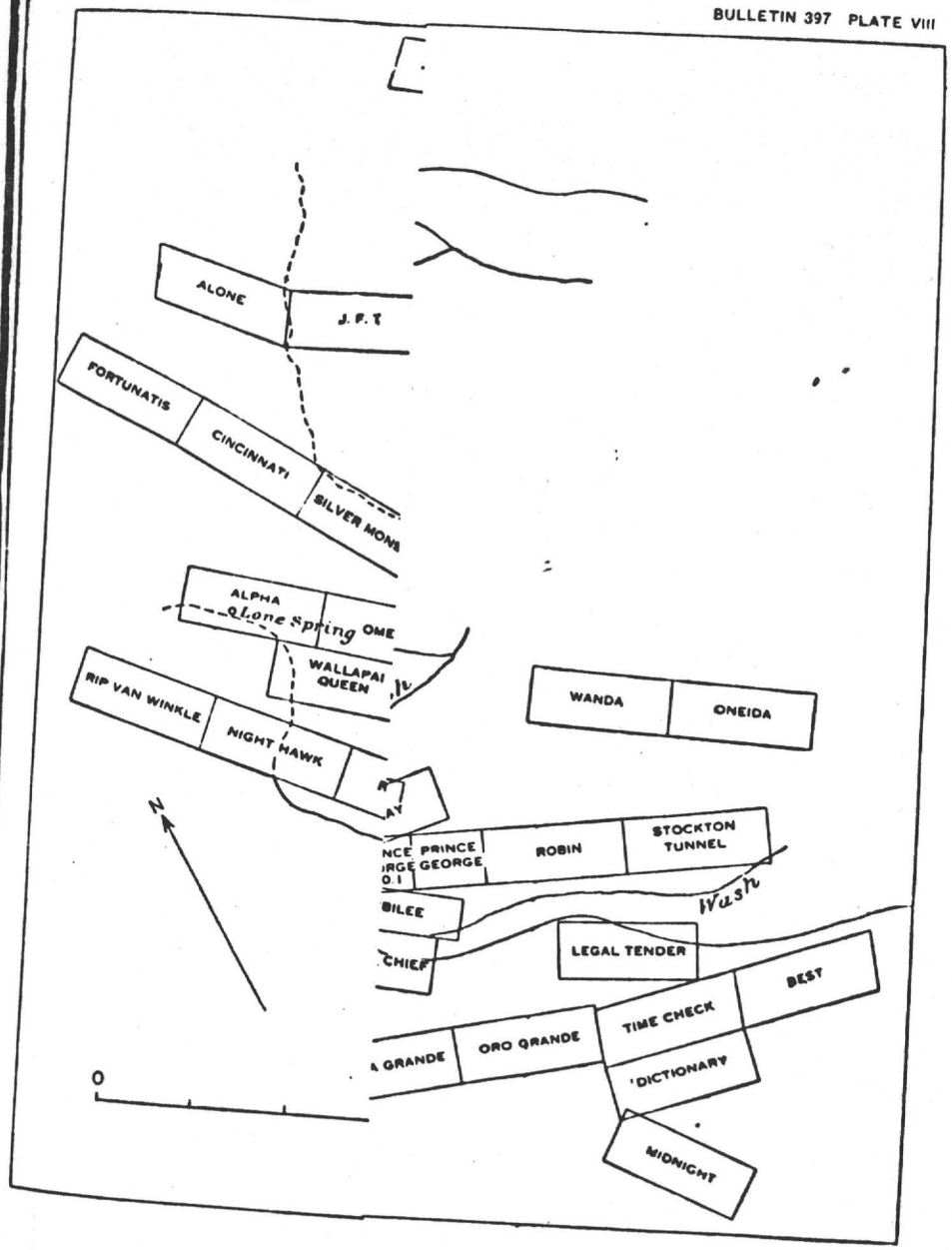


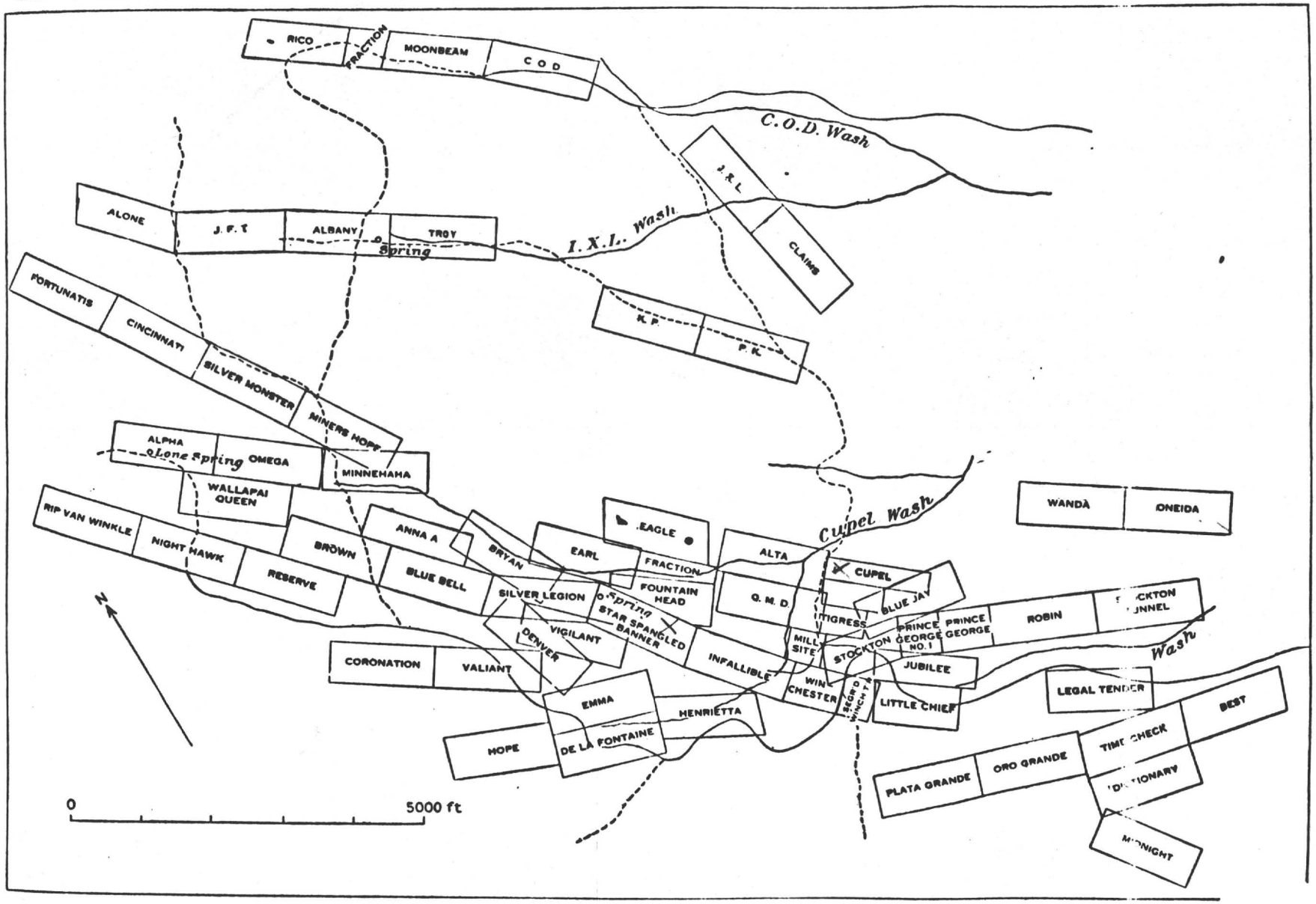
FIGURE 16.—Sketch map of Stockton Hill district and adjoining part of Cerbat district.

The district contains about 10 mines, of which the principal are the Banner Group, Treasure Hill, Little Chief, Cupel, Prince George, De La Fontaine, C. O. D., and Sixty-three. Their general distribution is shown on the accompanying sketch map (fig. 16). The principal locations made in the district are indicated on the claim map (Pl. VIII).

MINES ON STOCKTON HILL WASH.

The principal mines on or near Stockton Hill Wash are the Banner Group, Cupel, and De La Fontaine. Their situation in alignment on a nearly east-west line about 1½ miles in extent has led to the





CLAIMS IN STOCKTON HILL DISTRICT.

current belief that they are all on the same vein. They are perhaps in a general way in the same mineral zone, but as the strike of the veins at the different mines does not coincide with the trend of the mines and the veins have not been traced and do not seem to connect from mine to mine the single-vein theory remains to be proved.

BANNER GROUP MINE.

Location.—The Banner Group mine (Pl. VII, *B*) is about half a mile west of Stockton Hill, near the center of the district, toward the upper or gulch part of Cupel Wash at a point where it widens into a small basin at about 4,800 feet elevation. The property is said to comprise six adjoining claims, of which the most important are the Infallible (formerly Indian Boy) and the Star Spangled Banner. The principal mine openings are on the former, whence the workings extend northwestward into the latter. The property is owned and operated by the Arizona-Mexican Mining and Smelting Company, of Needles, Cal., where the large smelter owned and operated by this company is located.

Developments.—The mine is developed principally by adit drifts, stopes, winzes, and shafts, aggregating about 2,500 feet of underground work, including the tunnel or adit drift, 1,600 feet in length, on the vein. This drift has a greatest depth of 230 feet below the surface. Several shafts, mostly shallow ones, are located up to 1,050 feet from the mouth of the drift. At 800 feet from the mouth of the drift is a gasoline hoist and a 60-foot winze, reported to be sunk all the way in good ore. The property is equipped with a nearly new 40-ton mill supplied with concentrating tables.

The production is reported to be many thousand dollars in gold, silver, and lead, the zinc thus far being culled and left on the dump. The dumps also contain much second-class ore, which is said to be suitable for concentration. The mine now works about 20 men and produces about 30 tram-car loads of ore a day, of which one-fourth is shipping ore and three-fourths milling ore. The ore is shipped to the Needles smelter.

Geology and ore deposits.—The country rock is light to iron-gray fine-grained gneiss, in which the structure trends about N. 30° E. and dips steeply to the north-northwest. Toward the veins on the foot-wall side the rock is red from oxidized pyrite.

The fissure vein strikes N. 40° W. and dips about 80° NE. The croppings consist principally of leached reddish-brown quartz. The vein averages about 7 or 8 feet in width; the ore varies from about 1 foot to 3 feet in width and usually occurs on the foot-wall side of the vein. In the face of the drift at the time of visit it was 2½ feet

side, and associated with it on the hanging-wall side was a foot or more of soft gangue composed principally of crushed and altered granitic material, which, on being removed by blasting, leaves the intact ore bared in fine condition for loading on the cars. The shoot contains parallel seams of light-colored material, which emphasizes the roughly banded character of the ore.

The ore consists in places of pure galena, but usually it contains also zinc blende, pyrite, and chalcopyrite. The gold in some of it amounts to several ounces a ton. The silver occurs in part as sulphide and native, as masses and wire silver, which locally interlaces adjacent parts of the ore shoot. The amount of zinc increases in the deeper, northern portion of the mine. Toward the northwest end of the surface workings occurs a large amount of reddish quartz ore, which seems to contain chiefly gold values. This probably represents the body of rich gold ore reported to have been found in the surface openings of the mine. A short distance north of this locality galena and zinc-blende ore with comb quartz and chalcopyrite seem to prevail.

CUPEL MINE.

The Cupel mine is situated in the foothills at Stockton Hill camp, on the south side of Cupel Wash. This mine is regarded as probably the oldest on Stockton Hill. It was located about 1863, and was worked intermittently from that date to 1891, being constantly a heavy producer. It is said to have yielded handsome returns to lessees in the seventies, and in the eighties it was opened up by an inclined shaft to the 400-foot level by Spruance, Stanley & Co., of San Francisco. From this shaft nearly half a million dollars in silver and gold ore is reported to have been taken.

The principal equipments are a steam hoist and an excellent 200-ton mill and plant of the Joplin type, recently installed. The mine is owned by the Stockton Hill Mining Company, with headquarters at Topeka, Kans. The mine is developed principally by a shaft 400 feet deep, a three-compartment shaft 150 feet deep, drifts, and stopes to a depth of about 400 feet, the workings being nearly all situated within 300 feet of the main shaft. The mine is said to produce about 25,000 gallons of water a day.

The production of the mine is conservatively reported to exceed $500,000, and is variously estimated at one to one and a half million dollars. From September 3, 1885, to May 1, 1890, according to the smelter sheets, the output was $131,405, and averaged approximately 150 ounces of silver to the ton and 20 per cent of lead, silver at that time being worth about $1 an ounce. It is stated that the mine contains much ore in sight and that the dumps contain about 2,000 tons of ore that is estimated to mill $6 or $7 net per ton.

The country rock is the pre-Cambrian gneiss and schist complex. Three veins, which strike northwesterly but are not quite parallel, contain the ore. They are known as the Cupel, Edward Everett, and Tiger veins. Several diagonal or cross veins or stringers are also present. (See fig. 17.)

The ore contains ruby silver and horn silver, together with argentite, but in places is rich in high-grade galena and carries about $5 a ton in gold. The bulk of the ore produced contains ruby silver, and some of it is said to have averaged 3,000 ounces of silver to the ton and gave to Stockton Hill and the Cerbat Mountains their early reputation. Most of the rich ore thus far produced is said to have been taken out within a horizontal distance of about 250 feet, extending principally from the shaft northwestward and from the surface to the bottom of the mine. Beyond this portion of the mine to the northwest the ore is said to contain principally galena and some gold.

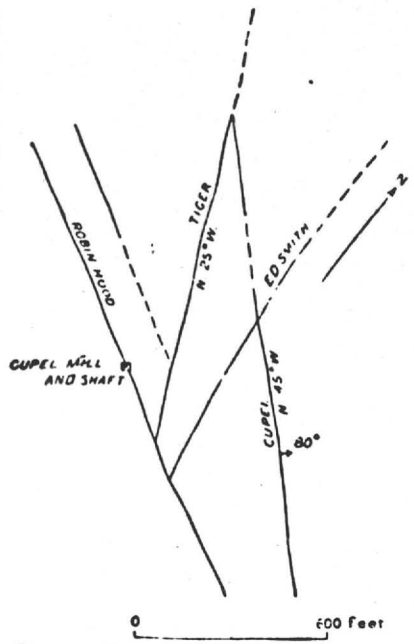


FIGURE 17.—Sketch showing relations of veins on Cupel claim.

PRINCE GEORGE MINE.

Location and history.—The Prince George Mine is located at Stockton Hill, about one-fourth mile southeast of the Cupel mine, at an elevation of about 4,600 feet. It is situated on steeply westward-sloping ground, near the head of a deep gulch that trends southward into Treasure Hill Wash.

The mine was worked principally in the eighties. After the installation of machinery the mine was operated by Mr. McKay, who soon suspended operations, since which time but little work has been done. It is now owned by the Stockton Hill Mining Company.

Production.—The production is reported to be $100,000, of which $90,000 was taken out in about ninety days, mostly from the large ore chamber.

Developments.—The principal developments are a 180-foot shaft and about 250 feet of drifts and stopes. The principal equipments are a coal or oil fuel hoist and pumps. The mine is said to produce about 20,000 gallons of water per day.

STOCKTON HILL DISTRICT.

General outline.—The Stockton Hill district joins the Cerbat district on the east, being situated on the opposite slope of the mountains, about 10 miles north of Kingman. It is about 4 miles in diameter and ranges from 3,500 to 5,500 feet in elevation. It is generally rough, but the mines are all accessible by wagon roads, in the main of easy grade. The drainage issues eastward into Hualpai Valley. The principal camp is Stockton Hill, situated in the eastern part of the district. The veins in general strike northwestward. The district contains about 10 mines, of which the principal are the Banner Group, Treasure Hill, Little Chief, Cupel, Prince George, De la Fontaine, C. O. D., and '63.

Banner Group mine.—The Banner Group mine is situated near the center of the district. It is developed by more than 2,000 feet of underground work, including the "tunnel" or drift, which extends in 1,600 feet on the vein. The vein dips steeply to the northeast. It is 6 to 8 feet in width, and the ore shoot is 2 to 2½ feet thick and favors the foot-wall side. In some localities the ore consists of pure galena, but usually it contains gold, silver, zinc, iron, and copper, the gold in places amounting to several ounces per ton. The amount of zinc increases in the deeper north portion of the mine. The production is reported to be many thousand dollars in gold, silver, and lead, the zinc thus far being culled and left on the dump. The ore is shipped to the Needles smelter.

Treasure Hill mine.—The Treasure Hill mine is located in the foothills in the southeastern part of the district. It is developed by inclined shafts and drifts, and yields a large supply of good water. The veins, six in number, dip steeply to the northeast. They average about 5 feet in thickness at the surface and widen downward. They are associated with what seems to be a small stock of the aplitic granite, and the two next to it are now being worked. The ore favors the hanging wall and occurs in shoots 100 to 200 feet in extent, with intervening clay or talcose gouge and sulphides. It runs about 100 ounces of silver and $5 to $16 in gold per ton, and 7 to 10 per cent of lead. The total production is stated to be $100,000.

Cupel mine.—The Cupel mine is situated at Stockton Hill camp. It is now being reopened and an excellent 200-ton mill and plant of the Joplin type have just been installed. It is developed to a depth of 400 feet, principally by shafts, drifts, and stopes, and is said to yield about 25,000 gallons of water per day. It is located on three veins, whose general trend is northerly. The ore in general contains ruby and horn silver, together with black sulphide of silver, but in some places is rich in high-grade galena and carries about $5 per ton in gold. About 2,000 tons of ore said to run from $6 to $7 per ton lie on the dump. The production to date is reported to be about $500,000.

Prince George mine.—The Prince George mine, located about one-fourth mile southeast of the Cupel mine, is developed by a 180-foot shaft and drifts, and is said to yield about 2,000 gallons of water a day. The vein dips steeply to the north and is about 12 feet thick. The total production is about $100,000.

De la Fontaine mine.—The De la Fontaine mine, located at the west side of the district, on the crest of the range, is 400 feet deep, and comprises about 1,400 feet of drift. The vein is 7 to 10 feet in width, and dips steeply to the north. The ore runs about 35 per cent in lead and zinc, and contains some gold. Good ore bodies, 2 to 4 feet thick and of considerable extent, are blocked out in the lower 300 feet of the mine.

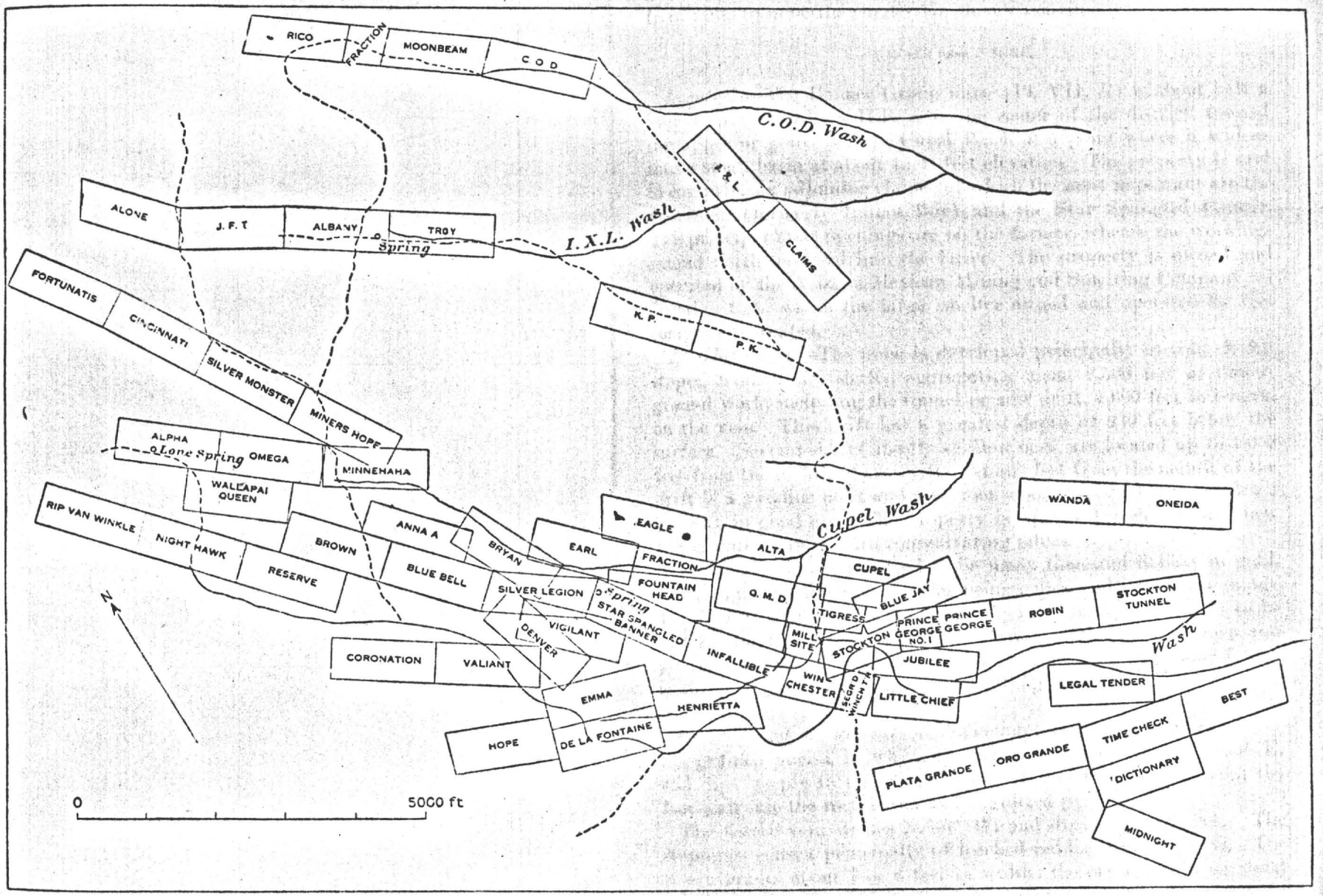
'63 mine.—The '63 mine, located in the southern part of the district, is 200 feet deep and is stated to have produced a total of $500,000, mostly in rich silver ore.

Little Chief mine.—The Little Chief mine, located one-fourth mile west of Stockton Hill camp, is about 100 feet deep and contains about 1,000 feet of underground work. The vein, supposed to be one of the veins of the Treasure Hill mine already described, dips steeply to the northeast. The production, amounting to many thousand dollars, is all shipping ore, averaging in silver about 350 ounces and in gold 5 to 10 ounces per ton, with 8 to 40 per cent of lead.

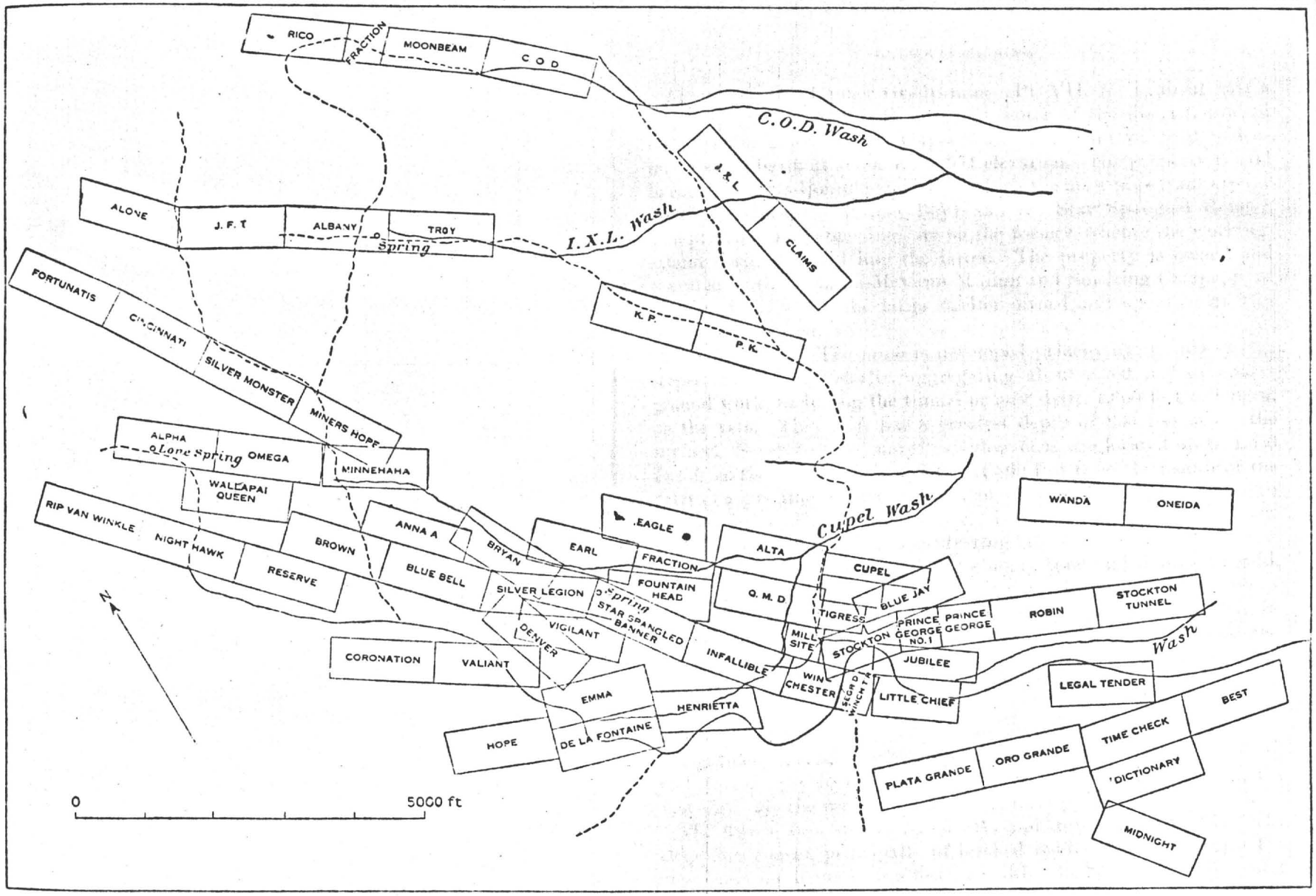
C. O. D. mine.—The C. O. D. mine, located 2½ miles north of Stockton Hill camp, in the upper part of C. O. D. Gulch, is developed by a shaft 400 feet deep, drifts, and stopes, on and between two main and two subordinate levels, aggregating in all about 2,500 feet of underground work. The principal surface equipments consist of a 50-ton concentrating mill and engines. The vein dips steeply northward, and is about 7 feet thick. The ore, whose principal value is in silver, runs about as follows: Silver, 160 ounces per ton; gold, 2 ounces per ton; lead, 12 per cent; with some zinc and a little copper. Except the low-grade ore, it is mostly worked out for a distance of about 400 feet on either side of the main shaft, beyond which good ore is reported. The mine closed down late in 1904 and is now full of water. The total production is reported and in part verified by smelter return sheets to be $1,300,000, that of silver alone amounting to about $1,000,000.

GOLD BASIN DISTRICT.

The Gold Basin district is situated in the eastern part of the White Hills, in the Gold Basin mining district. It extends over a hilly area about 6 miles in diameter, sloping and draining to Hualpai Wash on the east, and ranges from 2,900 to 5,000 feet in elevation. The water



CLAIMS IN STOCKTON HILL DISTRICT.



CLAIMS IN STOCKTON HILL DISTRICT.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Pacific Regional Operations, Inc.
Post Office Box 716
Scottsdale, Arizona 85252

Date October 29, 1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
3830	SILVER CREEK PROPERTY						
	SC-CR	trace	0.15				
	SC-Vein	0.01	0.10				

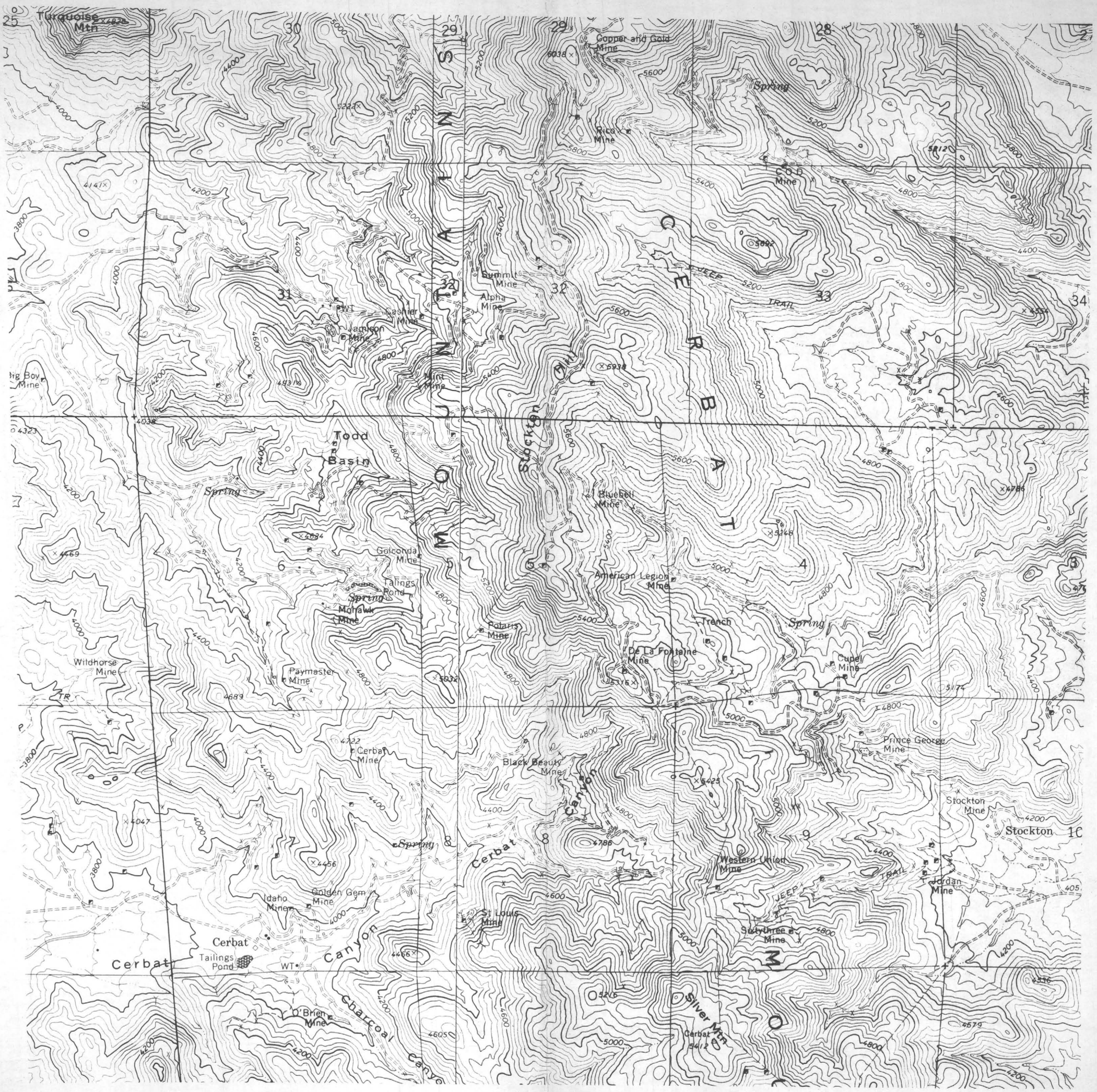
Respectfully submitted,

ARIZONA TESTING LABORATORIES

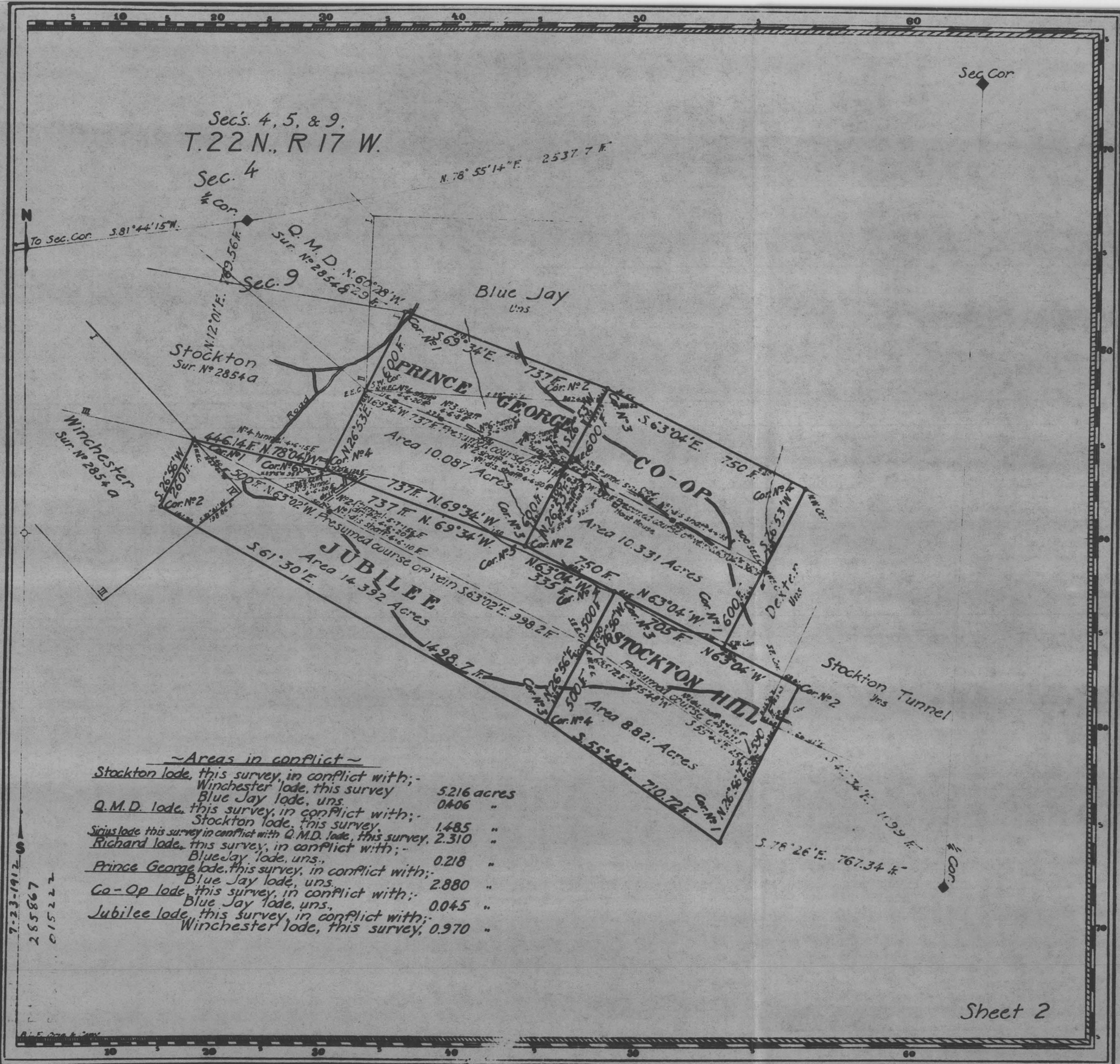
Claude E. McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 10/29/81
ARIZONA, U.S.A.



Turquoise Mtn
Copper and Gold Mine
Spring
Rico Mine
C.O.D. Mine
Summit Mine
Alpha Mine
Cashier Mine
Jamison Mine
Mint Mine
Big Boy Mine
Todd Basin
Spring
Stockton Hill
Bluebell Mine
Golconda Mine
Talings Pond
Spring
Mohawk Mine
American Legion Mine
Trench
Spring
Polaris Mine
De La Fontaine Mine
Cupel Mine
Wildhorse Mine
Paymaster Mine
Cerbat Mine
Black Beauty Mine
Prince George Mine
Stockton Mine
Stockton
Cerbat Canyon
Spring
Western Union Mine
Jordan Mine
Golden Gem Mine
Idaho Mine
St Louis Mine
Sixtythree Mine
Cerbat
Tailings Pond
Cerbat
Canyon
O'Brien Mine
Charcoal Canyon
Silver Mtn
Cerbat
JEEP TRAIL



~Areas in conflict~

Stockton lode, this survey, in conflict with;- Winchester lode, this survey	5.216 acres
Blue Jay lode, uns.	0.406 "
Q.M.D. lode, this survey, in conflict with;- Stockton lode, this survey.	1.485 "
Sirius lode this survey in conflict with Q.M.D. lode, this survey.	2.310 "
Richard lode, this survey, in conflict with;- Blue Jay lode, uns.,	0.218 "
Prince George lode, this survey, in conflict with;- Blue Jay lode, uns.	2.880 "
Co-Op lode, this survey, in conflict with;- Blue Jay lode, uns.,	0.045 "
Jubilee lode, this survey, in conflict with;- Winchester lode, this survey,	0.970 "

7-23-1912
285867
015222

Claim Located 190

Mineral Survey No. 2854 A&B

L.O.T. No

Land District.

PLAT

OF THE CLAIM OF

KNOWN AS THE

IN MINING DISTRICT,

COUNTY.

Containing an Area of Acres.

Scale of 300 Feet to the inch.

Variation

SURVEYED 190 BY

U.S. Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of

known as the

from which this plat has been made under my direction have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or grantors, and that said improvements consist of

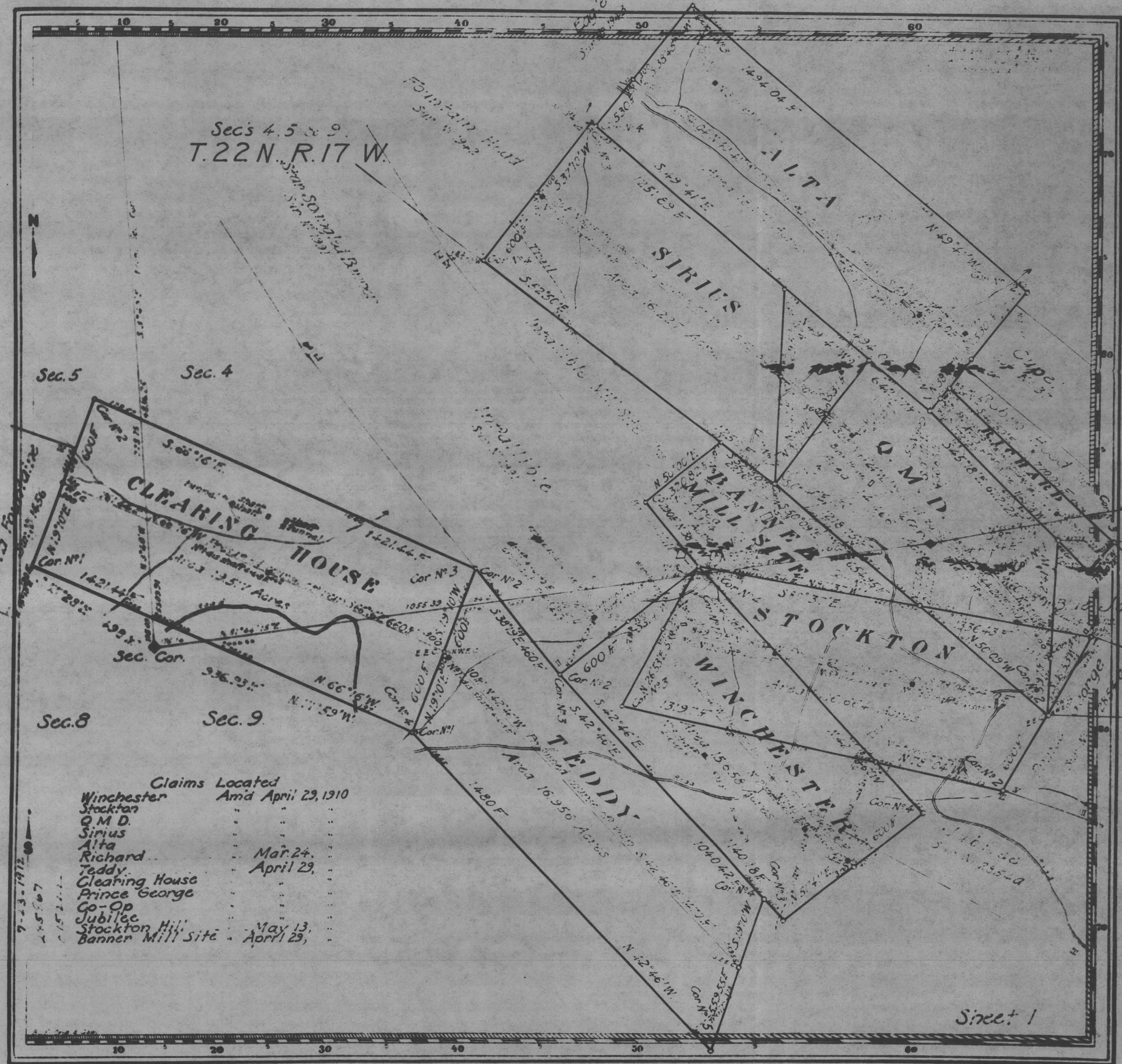
that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office.

U.S. Surveyor General for

, 190



Claims Located see table 100

Mineral Survey No. 2854 A & B

LOT No.

Arizona Land District.

PLAT

OF THE CLAIM OF

The Needles Mining & Smelting Company

KNOWN AS THE

Winchester, Stockton, Q. M. D. Sirius, Alta, Richard, Teddy, Clearing House, Prince George, Co-Op, Jubilee, Stockton Hill lodes, and Banner Mill Site

IN Navajo MINING DISTRICT.

Mohave COUNTY, Arizona

Containing an Area of 158.323 Acres.

Scale of 300 feet to the inch.

Variation 16° 20' E

SURVEYED August 26 - Sept. 11, 1910 BY

M. D. Johnson

U.S. Mineral Surveyor.

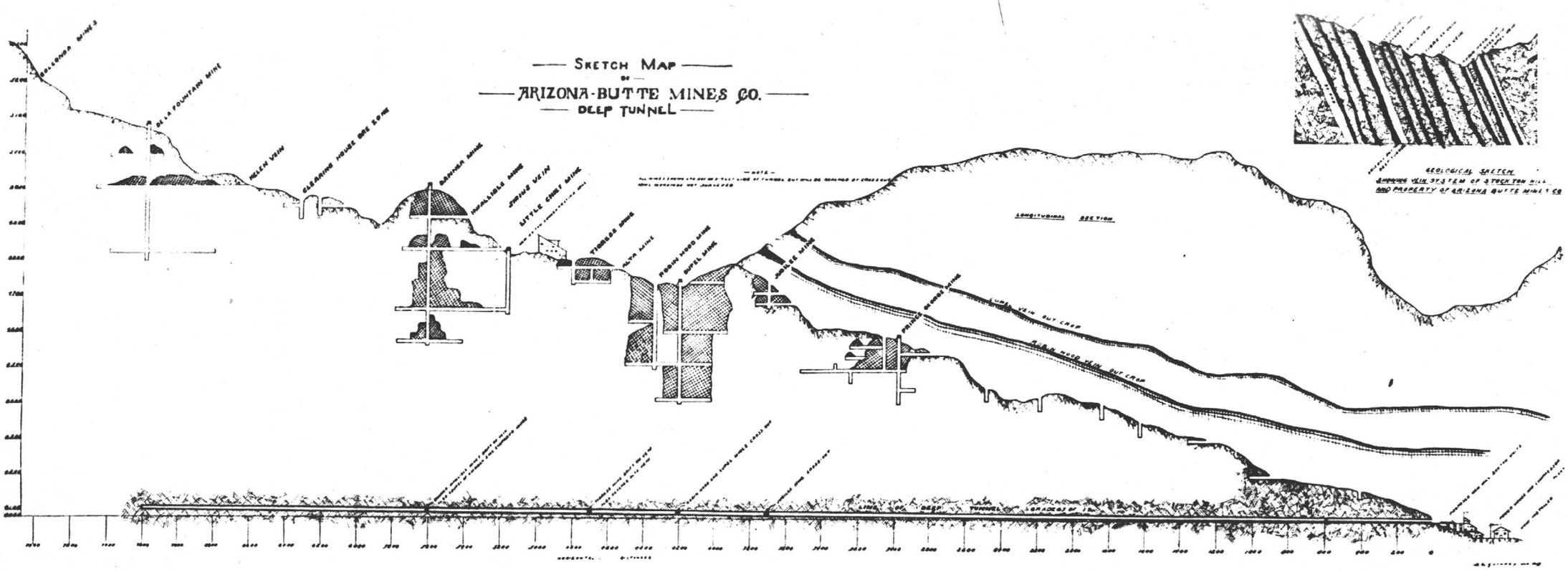
The Original Field Notes of the Survey of the Mining Claims of The Needles Mining & Smelting Company known as the Winchester, Stockton, Q.M.D. Sirius, Alta, Richard, Teddy, Clearing House, Prince George, Co-Op, Jubilee, Stockton Hill lodes, and Banner Mill Site from which this plat has been made under my direction have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claims as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

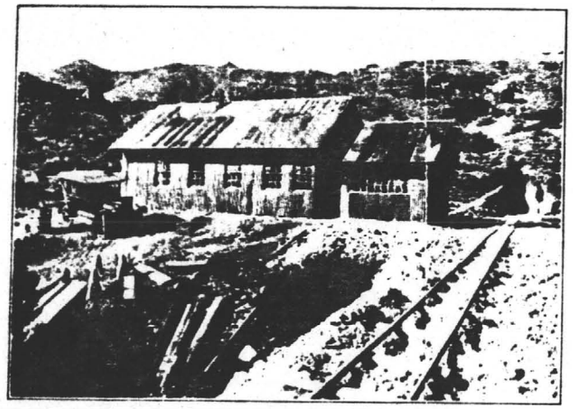
I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claims by claimant or its grantors, and that said improvements consist of 21 shafts, 11 tunnels, 2 drifts, 1 winze and 1 crosscut; also 1 drift and 2 crosscuts from the Intersection Shaft on the Infallible lode, Sur. No. 1991, total value $24,350.00 that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claims made in conformity with said original field notes of the survey thereof; and the same is hereby approved.

U.S. Surveyor General's Office
Phoenix, Arizona
January 23, 1911

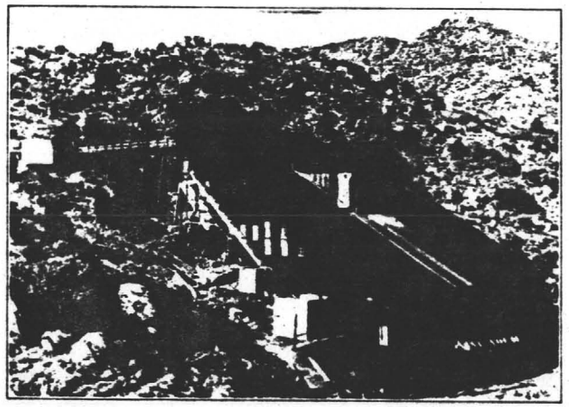
Frank Pidgeon
U.S. Surveyor General for Arizona



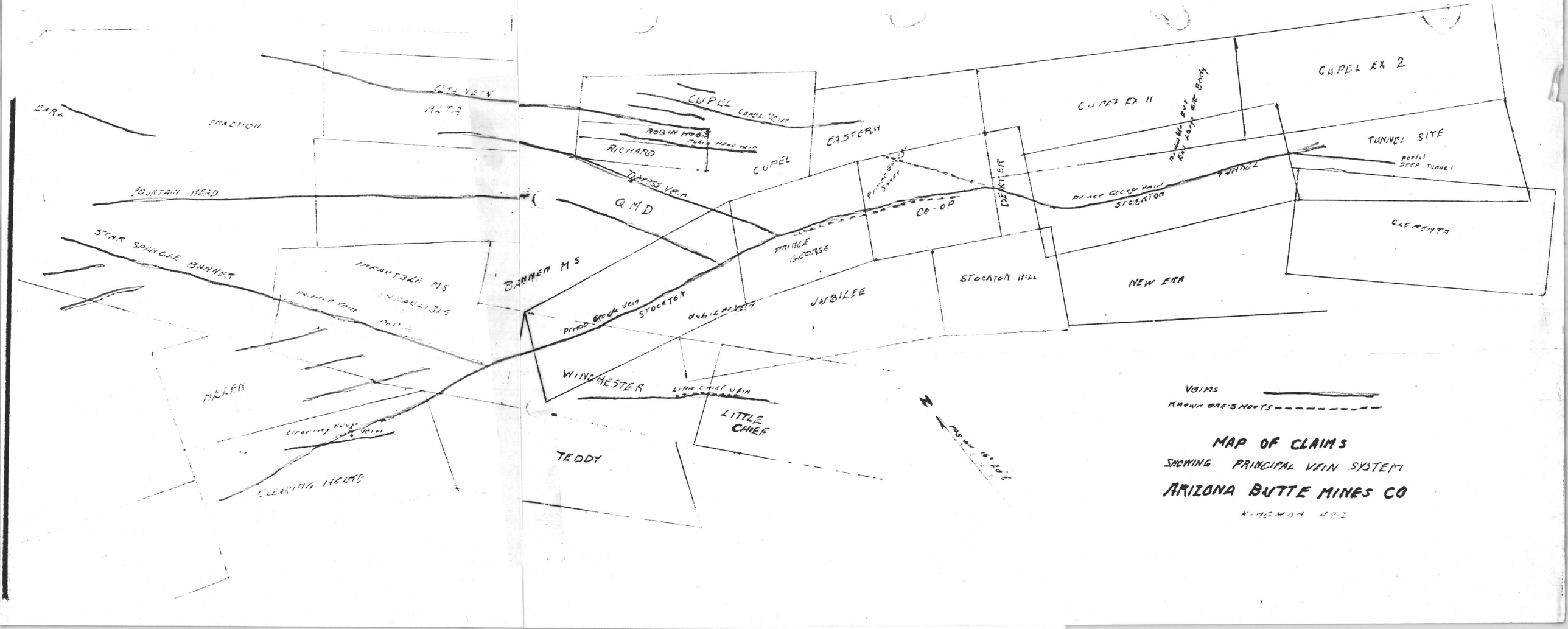


Arizona-Butte Mines—Deep Tunnel Portal and Power House

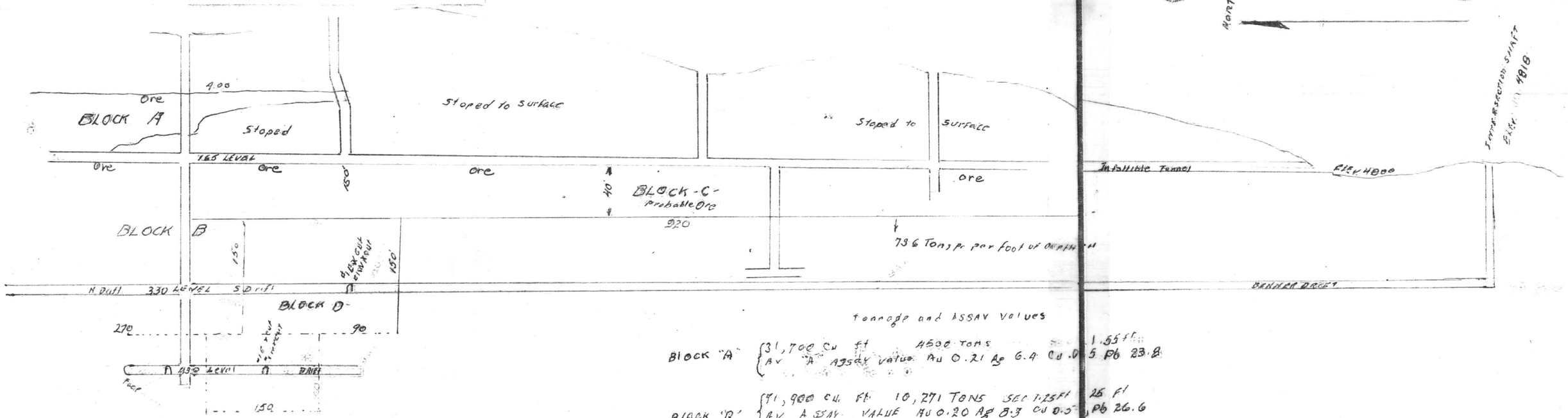
Prince George Vein Outcrop—900 Ft. From Deep Tunnel Mouth



New 150 Ton Concentrator—Location Shown on Map Above



MAP OF CLAIMS
SHOWING PRINCIPAL VEIN SYSTEM
ARIZONA BUTTE MINES CO
KINGMAN ARIZ



Tonnage and ASSAY Values

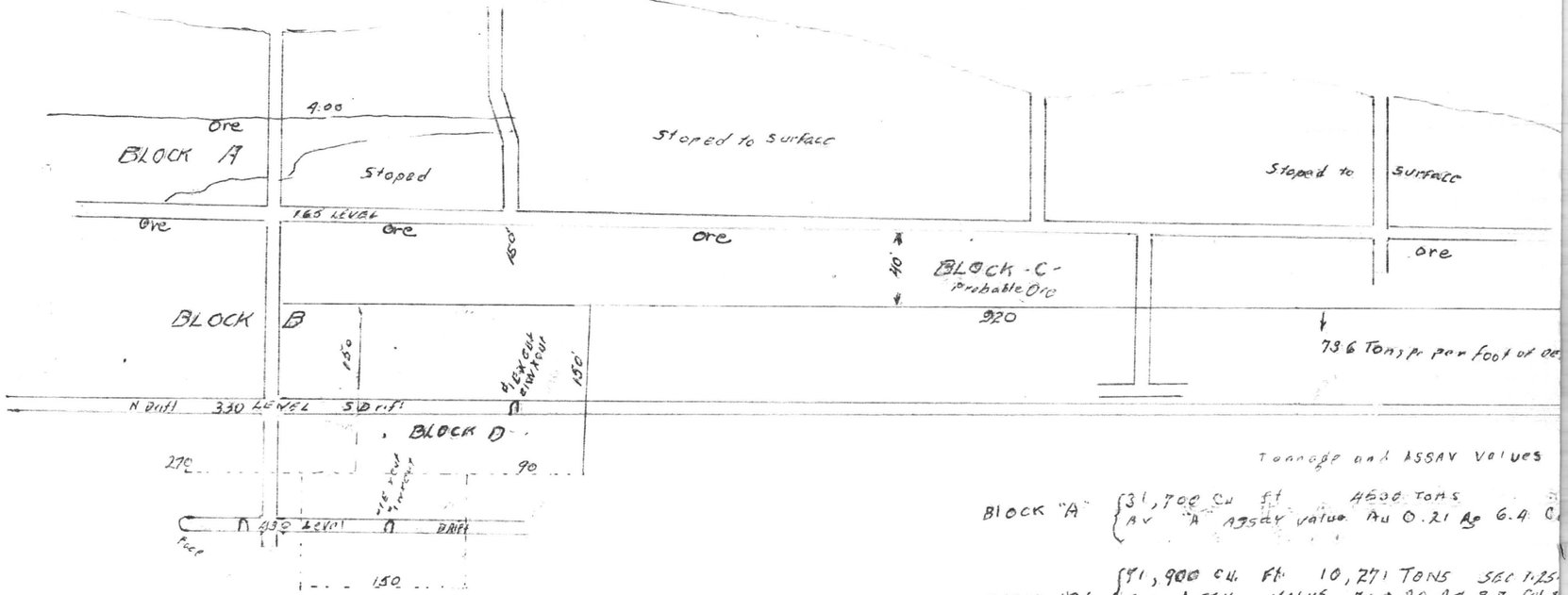
BLOCK "A" { 31,700 Cu ft 4500 TONS 1.55 ft
AV "A" Assay value Au 0.21 Ag 6.4 Cu .05 Pb 23.8

BLOCK "B" { 71,900 Cu. Ft. 10,271 TONS SEC 1.25 Ft 25 Ft
AV ASSAY VALUE Au 0.20 Ag 8.3 Cu 0.5 , Pb 26.6
PB 26.6 Fe. 3.1 ZN. 11.8

BLOCK "C" { 26 00 Cu. Ft. 100 TONS AVE SEC .66 6 Ft
ASSAY VALUE Au 0.46 Ag. 14.2 Cu 0.45, Pb 19.9
Cu 0.45 Pb. 19.9 Zn. 13.1 Fe 4.0

BLOCK "D" { 63,510 Cu. Ft. 803 TONS AVE. Sec. 1.46 Ft 46 Ft
AV. Assay Value Au 0.22 Ag? Pb. 17.4 b 17.4
ZN 12.8

ARIZONA BUTTE MINES CO
KINGMAN, ARIZ.



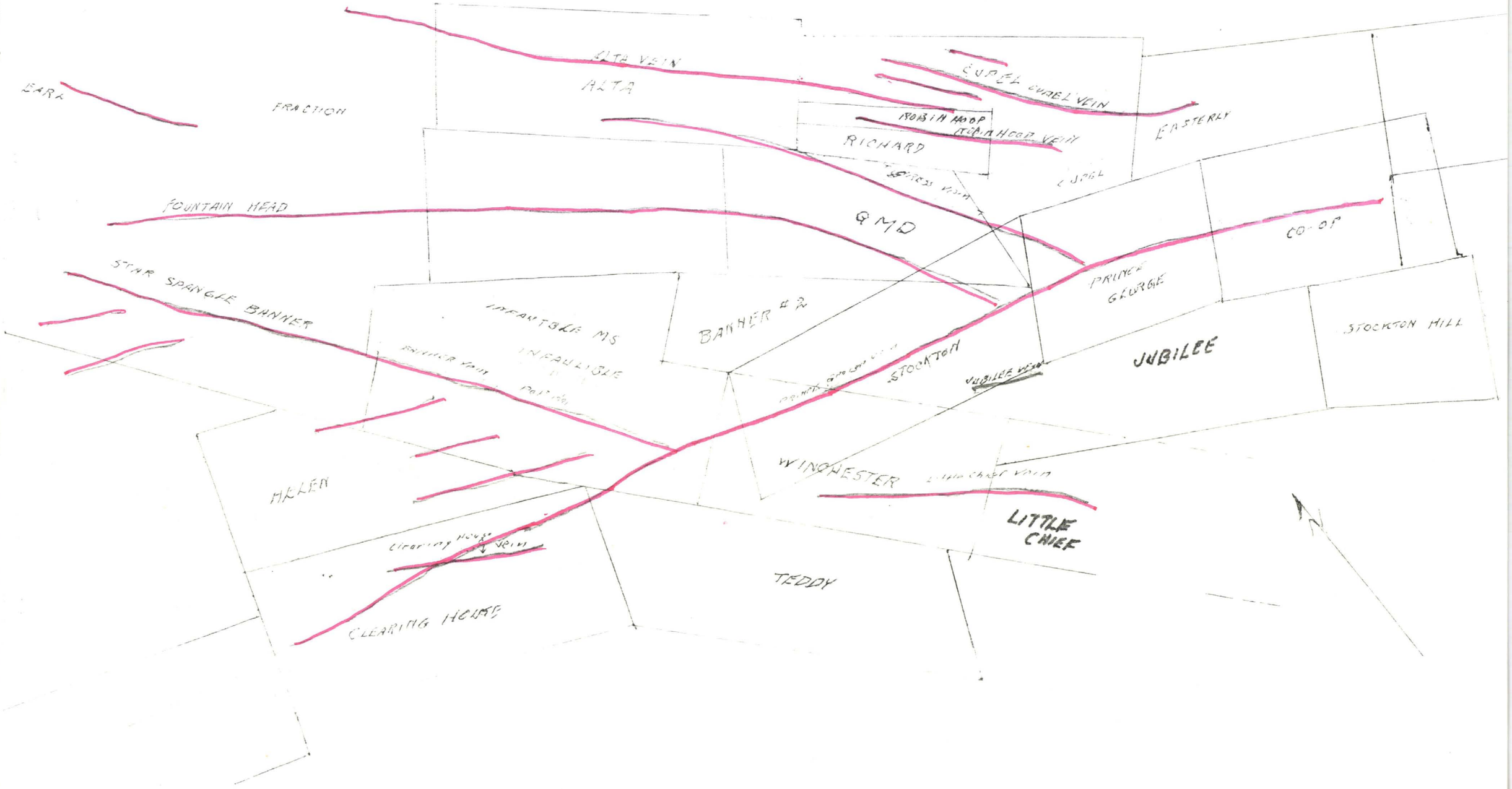
Tonnage and ASSAY Values

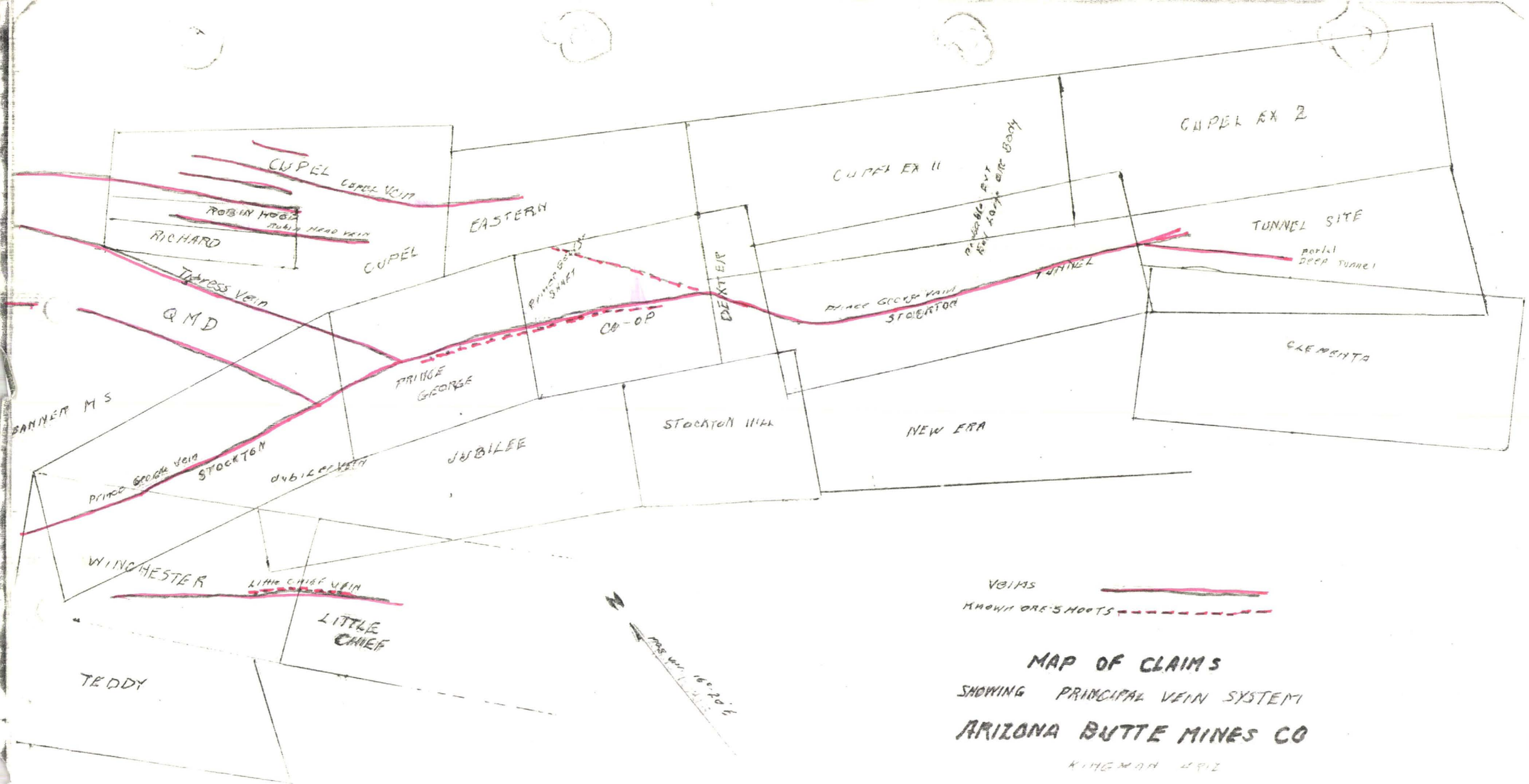
BLOCK "A" { 31,700 Cu ft 4500 TONS
AV "A" ASSAY value Au 0.21 Ag 6.4 C

BLOCK "B" { 71,900 CU. FT. 10,271 TONS SEC 1.25
AV ASSAY VALUE Au 0.20 Ag 8.3 Cu
PB 26.6 Fe. 3.1 ZN. 11.8

BLOCK "C" { 26 00 CU. FT. 100 TONS AVE SECT
ASSAY VALUE AU 0.46 Ag. 14.2
CU 0.45 Pb. 19.4 ZN. 13.1 Fe 4.0

BLOCK "D" { 63,510 CU. FT. 803 TONS AVE. Sec. 1
AV ASSAY Value Au 0.22 Ag? Pb. 17.
ZN 12.8


ALTA VEIN
ALTA
EARL
FRACTION
EUREKA EUREKA VEIN
ROBIN HOOD
ROBIN HOOD VEIN
RICHARD
EASTERLY
EUREKA
FOUNTAIN HEAD
QMD
CO-OP
STAR SPANGLE BANNER
INFANTRY MS
INFALLIBLE
BANNER #2
PRINCE GEORGE
STOCKTON HILL
STOCKTON
JUBILEE
JUBILEE VEIN
WINCHESTER
LITTLE CHIEF VEIN
LITTLE CHIEF
MILLER
CLEARING HOUSE VEIN
TEDDY
CLEARING HOUSE
N


CUPEL
CUPEL VEIN
ROBIN HOOD
RICHARD
CUPEL
EASTERN
CUPEL EX II
CUPEL EX 2
TUNNEL SITE
portal
DEEP TUNNEL
TUNNEL
PRINCE GEORGE VEIN
STOCKTON
DEXTER
CO-OP
QMD
PRINCE GEORGE
CLEMENTA
BANNER MS
STOCKTON HILL
NEW ERA
JUBILEE
WINCHESTER
LITTLE CHIEF VEIN
LITTLE CHIEF
TEDDY
VEINS
KNOWN ORE SHOOTS
MAP OF CLAIMS
SHOWING PRINCIPAL VEIN SYSTEM
ARIZONA BUTTE MINES CO
KINGMAN ARIZ