



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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06/05/96

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: GOLD BULLION

ALTERNATE NAMES:

COPPER BULLION

YAVAPAI COUNTY MILS NUMBER: 678A

LOCATION: TOWNSHIP 14 N RANGE 3 E SECTION 17 QUARTER W2
LATITUDE: N 34DEG 35MIN 59SEC LONGITUDE: W 112DEG 03MIN 21SEC
TOPO MAP NAME: CHERRY - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD
SILVER
COPPER

BIBLIOGRAPHY:

USGS CHERRY QUAD
ADMMR GOLD BULLION MINE FILE
WILSON, E.D. AZ LODE GOLD MINES AZBM BULL
137 1967 P 31
ANDERSON, C.A. & S.C. CREASY GEOLGOY AND
ORE DEPTS OF THE JEROME AREA USGS PP 308
1958 P 175

GOLD BULLION

YAVAPAI COUNTY
T14N R3E Sec 17
Cherry Creek District

AKA: Copper Bullion

MILS #678A

USGS Cherry, Az. 7.5 (Included in file)

ABM Bull 137, p. 31

USGS PP 308, p. 175



Gold Bullion
T14N R3E
Sec 17

Cherry, G 7.5

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Mine file: GOLD BULLION
2. Mine name if different from above:
3. County: Yavapai
4. Information from: Arden Miller (c)

Company:

Address:

Phone:

5. Summary of information received, comments, etc.:

Mr. Miller reports he has obtained voluminous file data for the Gold Bullion mine via Frank Melluzo via the attorney in Prescott, Mr. Tucker. Mr. Tucker represented the historic mining companies who operated the property. They primarily included Marsman Co. and Gold Bullion Co. The data includes underground maps, underground assay maps, and engineering drawings for future mine development.

Date: December 12, 1988

Nyal J. Niemuth, Mining Engineer

May 27, 1957

GOLD BULLION MINE

YAVAPAI COUNTY

This property idle.

MARK GEMMILL

GOLD BULLION MINE

Au, Ag, Cu

Yavapai

13 - 5

T 14 N, R 3 E

W. B. Tucker, Cherry via Dewey, Arizona - or -

'42

Tremont Hotel, Red Bluff, Calif.

'46

PARSMAN COMPANY (LESSEE)
Tucker, W. B., Pres.

MINE - GOLD BULLION MINE - $1\frac{1}{2}$ miles north of the store and P.O. at
Cherry

GOLD BULLION MINE

YAVAPAI COUNTY
CHERRY CREEK DIST.

DESCRIBED IN:

Arizona Bureau of Mines Bull. #137, p. 31

W. Lindgren, Deposits of the Jerome and
Bradshaw Mountains Quadrangles Arizona: U.S.G.S. Bull.
782, pp. 102-107, 1926

J. A. Reid, A Sketch of the Geology and Ore Deposits
of the Cherry Creek District, Arizona: Econ. Geol.
vol. 1, pp. 417-36, 1906.

GOLD BULLION MINE

YAVAPAI COUNTY

Mr. Frank Melluzzo, et al has this property. Visited office 4-19-67

Frank Melluzzo visited office re Gold Bullion Claims - having trouble with the Forest.
FTJ WR 4-21-67

Reference: USGS P.D. 308, p. 175

**Brief Report on the Gold Bullion Mining
Company's property, in the Cherry Creek
District, Yavapai County, Arizona,
by H. C. Broadgate.**

The writer has been familiar with the Cherry Creek District for a number of years. Outside of the abstraction of oxidized surface ores to a depth of two or three hundred feet, no real development work has been done. To the knowledge of the writer, the Ingham mine, not far from the Gold Bullion, having a depth of about 640 feet, is the deepest working in the district. It is our understanding that the Ingham samples out reasonably well at depth.

We know of a number of very strong persistent dykes and veins running through the country, indicating considerable depth, of which the dyke crossing the Gold Bullion ground is one. The property has never really had a proper chance, due to the small amount of work that has been done there in the past and the lack of knowledge of the present owners of proper mining methods, combined with their restricted capital.

The writer, in common with Mr. Snedde, Mr. Hitcher, Mr. Johnson and several other Engineers who have examined the property, is considerably impressed with the geological possibilities; Mr. Snedde stated to the writer that on the adjoining property to the south, called the Sunnybrook, there is a fine showing on this same vein system.

The property, as far as we know, consists of a group of eight claims, three of which are along the main vein making a total length of 4,500 feet along the vein. The group is compact, and the balance of the claims show from one to three veins, each dipping toward the main lead and all showing some ore which may prove to be of commercial importance.

Then the length of the property runs one of the characteristic porphyry dykes common in the district, in this case an exceptionally strong one averaging 200 feet wide at the surface and cutting the formation for more than seven miles. The Gold Bullion vein, contracting this porphyry dyke, is a granular quartz from 5 feet to 9 feet in width. The mineral content seems to be in free gold, some sulphides, with a small amount of copper, supposed to average under one per cent.

The ore is very friable and is easily mined and milled.

The writer has for a number of years considered this property one of the most promising prospects in Cherry Creek District.

Dated at Prescott, Arizona, Feb. 25, 1933.

AUGUST 11, 1932.

The Arizona Machinery Co., Inc.,
Box 868,
Prescott, Arizona.

Gentlemen:

In consideration for your services rendered as acting intermediary in the sale of the GOLD-BULLION GOLD MINING CO., INC., to Mr. R. P. Inglis of Los Angeles California, or his heirs or assigns, for the sum of THIRTY THOUSAND DOLLARS (\$30,000.00) we the undersigned agree to pay to you the customary Ten Percent Commission of all monies paid to us on the above amount, or until a total of three thousand dollars has been paid to you.

Assuring you that we appreciate this service, we are

THE GOLD BULLION MINING CO., INC.,

BY

W. B. Tucker, Pres.

Roscoe H. Tucker, Sec-Treas.

OPTION AGREEMENT

For the sum of One Dollar (\$1.00) and other good and valuable considerations, the undersigned, Roscoe H. Tucker, acting for W. B. Tucker, together the principal stockholders in the GOLD BULLION MINING COMPANY, holding and operating certain mining claims in the Cherry Creek District, agree to give an Option to Purchase said property on or before the first of September 1932, for a cash consideration of Thirty Thousand Dollars (\$30,000.00), together with all underground and surface equipment, buildings and machinery thereon, installed or not installed, to R.P. Inglis of Los Angeles, Calif.
Given under our hand and seal this the 11th day of August, 1932.

GOLD BULLION MINING CO., INC.,

BY

W. B. TUCKER, PRES.

ROSCOE H. TUCKER, SEC. & TREAS.

Dated at Prescott, Ariz.
August 11, 1932

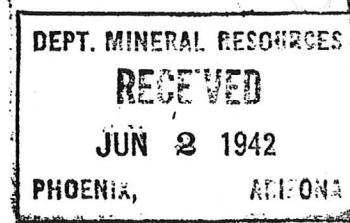
SURVEY OF OPERATING MINES

BYA. C. Nebeker

Gold Bullion Mine

W. B. Tucker, President

Address, Cherry, Arizona.



MAY 20th, 1942.

GOLD BULLION MINE

Gold Bullion Mine is located $1\frac{1}{2}$ miles north of the Store and Post Office at Cherry, in Yavapai County, Arizona, and on a good road.

This mine has been an intermittent shipper of gold ores for many years.

In 1941 in October, the Marsman Company took a lease and Option on the Gold Bullion and had made plans for large operations. They had started to move in machinery when their Phillipine properties were forced to close and their operating funds were frozen. They are now waiting for their funds to be let loose.

There are several buildings and several pieces of machinery on the property and the plans are to sink the shaft and open new levels as soon as their funds are available.

The ores average in value \$18.50 per ton in gold, silver and copper. This average figured from 20 shipments made from the mine.

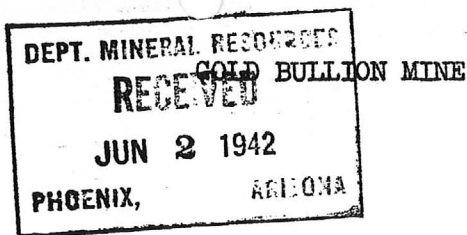
There is a compressor, hoist, cars, drills, mine buckets, rails, pipes and a Blacksmith's hop set-up all ready to go.

There are two veins, one of them can be traced 7000 feet and is 2 to 5 feet thick carrying values in gold-silver and copper.

They were working 15 men just before they had to stop.

All work being done was planned for future production and not having advanced far enough before losing the Phillipine Property, there was no 1942 production.


A.C. Nebeker



~~map~~

Problem.

The problem now is to get ahold of enough money to continue with developement.

In as much as, there is a goodly per cent of copper in one of the veins, I suggested they apply for a Developement Loan. This, Mr Tucker thought he would do and said he was going to get blanks right away.


A, C. Nebeker

* GENERAL REFERENCES

REFERENCE 1 F1 < ABGNT- USBM FILE D. >
 REFERENCE 2 F2 < ABGNT CLIPPINGS FILES >
 REFERENCE 3 F3 < >
 REFERENCE 4 F4 < >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < > RECORD TYPE B20 < X, I, M > DEPOSIT NUMBER B40 < >
 REPORT DATE G1 < 8.1.10 > INFORMATION SOURCE B30 < 1.2 > FILE LINK IDENT. B50 < USBM 004 025 0554 >
 REPORTER(SUPERVISOR) G2 < LARABA PETER (last, first, middle initial) > (DEWITT, ED) (last, first, middle initial)
 REPORTER AFFILIATION G5 < ABGNT > SITE NAME A10 < COPPER BULLION MINE >
 SYNONYMS A11 < GOLD BULLION MAY BE POSSIBLE SYNONYM >

LOCATION

MINING DISTRICT/AREA A30 < CHERRY CREEK DISTRICT > STATE A50 < A.Z. > COUNTRY A40 < U.S. >
 COUNTY A60 < YAVAPAI >
 PHYSIOGRAPHIC PROV A63 < 1.2. >
 DRAINAGE AREA A62 < 1.5.0.6.0.2.0.2. > LAND STATUS A64 < 0.0. >
 QUADRANGLE NAME A90 < CHERRY. > QUADRANGLE SCALE A100 < 2.4.0.0.0. >
 SECOND QUAD NAME A92 < > SECOND QUAD SCALE A91 < >
 ELEVATION A107 < 5.4.0.0. >

UTM
 NORTHING A120 < 3.8.2.8.9.0.0. >
 EASTING A130 < 4.0.3.2.1.0. >
 ZONE NUMBER A110 < 1.1.2. >

*ACCURACY
 ACCURATE ACC (circle)
 ESTIMATED EST < >

GEODETIC
 LATITUDE A70 < > N
 LONGITUDE A80 < > W

CADASTRAL

TOWNSHIP(S) A77 < 0.1.4.N. > RANGE(S) A78 < 0.0.3.E. >
 SECTION(S) A79 < 17 >
 SECTION FRACTION(S) A76 < W >
 MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < >
 LOCATION COMMENTS A83 < >

* ESSENTIAL INFORMATION
 + ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 <CU, PLAU, ...>
 ORE MINERALS C30 <...>
 COMMODITY SUBTYPES C41 <...>
 GEN. ANALYTICAL DATA C43 <...>
 COM. INFO. COMMENTS C50 <...>

* SIGNIFICANCE

PRODUCER
 MAJOR PRODUCTS MAJOR <CU, PLAU, ...>
 MINOR PRODUCTS MINOR <PLAU, ...>
 POTENTIAL PRODUCTS POTEN <...>
 OCCURRENCES OCCUR <...>

NON-PRODUCER
 MAIN COMMODITIES PRESENT C11 <...>
 MINOR COMMODITIES PRESENT C12 <...>
 OCCURRENCES OCCUR <...>

* PRODUCTION

PRODUCER
 PRODUCTION YES (circle) PRODUCTION SIZE SMALL MED LGE (circle one)

NON-PRODUCER
 PRODUCTION UND NO (circle one)

* STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER
 STATUS AND ACTIVITY A20 <4>

NON-PRODUCER
 STATUS AND ACTIVITY A20 <1>

DISCOVERER L20 <...>
 YEAR OF DISCOVERY L10 <...> NATURE OF DISCOVERY L30 YEAR OF FIRST PRODUCTION L40 <1930> YEAR OF LAST PRODUCTION L45 <1936>
 PRESENT/LAST OWNER A12 <...>
 PRESENT/LAST OPERATOR A13 <...>
 EXPL/DEV. COMMENTS L110 <...>

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 <VEIN>
 DEPOSIT FORM/SHAPE M10 <TABULAR>
 DEPTH TO TOP M20 <...> UNITS M21 <...> MAXIMUM LENGTH M40 <...> UNITS M41 <...>
 DEPTH TO BOTTOM M30 <126> UNITS M31 <FT> MAXIMUM WIDTH M50 <...> UNITS M51 <...>
 DEPOSIT SIZE M15 <SMALL> M15 <MEDIUM> M15 <LARGE> (circle one) MAXIMUM THICKNESS M60 <9> UNITS M61 <FT>
 STRIKE M70 <...> DIP M80 <...>
 DIRECTION OF PLUNGE M100 <...> PLUNGE M90 <...>
 DEP. DESC. COMMENTS M110 <...>

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
 DEPTH BELOW SURFACE M160 <126> UNITS M161 <FT> OVERALL LENGTH M190 <150> UNITS M191 <FT>
 LENGTH OF WORKINGS M170 <150> UNITS M171 <FT> OVERALL WIDTH M200 <6> UNITS M201 <FT>
 DESC. OF WORK. COM. M220 <...> OVERALL AREA M210 <950> UNITS M211 <SQ FT>

GEOLOGY

* AGE OF HOST ROCK(S) K1 <P.R.O.T. ... 4.4/PB ZIRCON EQUAL TO OR GREATER THAN 1740 MILLION YEARS>
 * HOST ROCK TYPE(S) K1A <QUARTZ DIORITE>
 * AGE OF IGNEOUS ROCK(S) K2 <P.R.O.T. ... AS LINE K1>
 * IGNEOUS ROCK TYPE(S) K2A <QUARTZ DIORITE>
 * AGE OF MINERALIZATION K3 <P.R.O.T. ... AS LINE K1>
 * PERT. MINERALS (NOT ORE) K4 <QUARTZ>
 * ORE CONTROL/LOCUS K5 <FAULTING>
 * MAJ. REG. TRENDS/STRUCT. N5 <DIKE TREND N40E>
 * TECTONIC SETTING N15 <...>
 * SIGNIFICANT LOCAL STRUCT. N70 <...>
 * SIGNIFICANT ALTERATION N75 <NONE>
 * PROCESS OF CONC./ENRICH. N80 <OXIDATION AT NEAR SURFACE>
 * FORMATION AGE N30 <...>
 * FORMATION NAME N30A <...>
 * SECOND FM AGE N35 <...>
 * SECOND FM NAME N35A <...>
 * IGNEOUS UNIT AGE N50 <P.R.O.T. ... AS LINE K1>
 * IGNEOUS UNIT NAME N50A <CHERRY QUARTZ DIORITE (INFORMAL)>
 * SECOND IG. UNIT AGE N55 <...>
 * SECOND IG. UNIT NAME N55A <...>
 * GEOLOGY COMMENTS N85 <QUARTZ VEIN IN QUARTZ DIORITE>

GENERAL COMMENTS

GENERAL COMMENTS GEN <...>

Mile # 678A

RECORD IDENTIFICATION

SYNONYMS All COPPER BULLION MINE

LOCATION

POSITION FROM NEAREST PROMINENT LOCALITY A82 1.1 MILES NORTHWEST OF CHERRY, ARIZONA

LOCATION COMMENTS A83 < UTM COORDINATES TO SHAFT ON NORTH-NORTHEAST SIDE OF CHERLV CREEK

GENERAL COMMENTS GEN< COPPER BULLION MINE (USBM-004 025 0554) IS LISTED AS SYNONYM FOR GOLD BULLION MINE. BECAUSE COMMODITY INFORMATION WAS SO DIFFERENT WE HAVE LISTED THE MINES SEPARATELY. THEY WERE PROBABLY THE SAME MINE. HOWEVER.

EXTRACTS FROM A REPORT MADE BY

MR. H. HUGHES-ROBERTS

ON THE

GOLD BULLION MINING PROPERTIES

February
1933

PRELIMINARY REPORT ON THE GOLD BULLION MINING PROPERTY IN YAVAPAI COUNTY, ARIZ.

GEOGRAPHICAL LOCATION.

The property of the Gold Bullion Mining Company, Inc. (An Arizona corporation), is located in the Cherry Creek mining district, Yavapai County, Arizona, one mile west of the post-office at Cherry, 16 miles from a station on a branch of the Santa Fe railroad at Dewey, 32 miles northeast of Prescott, the county seat of Yavapai county, and 29 miles from the United Verde Copper Company's smelter at Clarksdale, Arizona. ELEVATION. The elevation of the mining property, above sea level, is from 5240 feet at the mill to about 5500 feet on a part of the property.

ROADS

The one mile road from the camp and mine to the post-office at Cherry is of moderate grade and in fair condition for travel by auto trucks. From Cherry the main roads and highways leading to the railroad station and to Prescott, Phoenix and the smelters at Clarksdale and Clemencau are kept in excellent condition the year around.

SUPPLY DEPOTS. LABOR.

Mine and mill equipment, mining and camp supplies are obtainable at reasonable prices at the above named places. Many experienced miners reside in the district and are available at reasonable wages.

BUILDINGS.

A well-built mill building, commodious enough for a 25-30 ton plant, is well located on the bank of Cherry Creek, close to the mine workings. A blacksmith and machine shop, 18 x 40 feet, one three room dwelling house and three two room cabins, all in good condition, are also well and conveniently located on the property. The well sheltered and pleasantly situated camp site is ample for many other houses and buildings.

ORE VEINS

There are several veins of ore on the Gold Bullion property. The principal vein, which trends in a north-south direction, follows a granite porphyry dike, which is reported traceable for several miles and is found to attain a width of 100 feet or more in places. The other veins have not, however, been opened up on the property. The quartz contained in the principal vein is massive, occurring in lenses and in bunches, so far as seen, with which oxidized sulphides are interwoven. The quartz is gold bearing, particles of gold being visible to the naked eye. The oxidized sulphides also carry values in finely disseminated gold.

The development work so far done on the Gold Bullion has been done in the oxidized zone, it is therefore impossible to determine, at the present stage of development, what values the vein and/or veins may carry at a greater depth in the sulphide zone. However, the possible length of the principal vein, its average width where exposed and so far ascertained and the depth to which oxidization reaches in this Cherry Creek district, indicate a large possible tonnage of ore. In the absence of adits or tunnels of sufficient length, levels, upraises and accessible shafts, it is

impossible, of course, to estimate the tonnage of ore, even in the oxidized zone. Neither is it possible to determine the regularity of occurrence of the higher grade ore which the vein carries. However as a result of the careful sampling done on the principal vein and the assays made thereof, the average gold values are highly satisfactory. The ore also contains some silver and a small percentage of copper.

MILLING ORE.

The very small percentage of copper found in the oxidized zone, due to the almost complete leaching of that mineral, is highly favorable for certain milling methods and processes.

STRIKE, DIP & WIDTH OF VEINS.

The principal vein on the Gold Bullion property has a northerly strike and a steep dip, averaging about 45° West. The width of the vein between walls has been found to be from four to twelve feet.

DEVELOPMENT WORK HERETOFORE PERFORMED.

The development work done so far on the property consists chiefly of several open cuts, one shaft reputed to be 96 feet deep, one shaft about 30 feet below surface, and two small adits or tunnels. (See accompanying map.) All of the work has been done in a very unsystematic manner, and more or less in a crude way

SAMPLING

The heavy snow fall this winter (1932-1933) made it impossible to cover all of the surface of the group of claims, and the subsequent freezing and thawing has caused cave-ins of the sides of the open cuts and of some places inside the mine. These conditions prevented a more complete sampling, so the taking of samples was limited to only the accessible parts of the property. However, as the ore in the accessible places fairly well represents the character of the body of ore to be found in the vein, the samples taken by me and assayed by the chief chemist and assayer of the United Verde Copper Company at Clarksdale, Arizona, should represent the values to be found in the principal vein in the zone of oxidation. The sulphide zone of course is much below the surface and no development has reached the sulphide zone on this property.

The samples were taken across the vein where exposed, taking the gangue and vein matter between the walls as well as the pay streak, the idea and purpose being to ascertain the low average values of the ore in the vein, having the milling of the low grade ore in view.

A composite sample, made up of parts of each of nine samples taken, gives a fair idea of the average values of the ore to be found in the vein. This composite sample showed an average of \$16.40 per ton in gold. Some of the samples assayed as high as \$35. to \$39. per ton in gold. The average value of other samples taken was \$8.83 per ton, principally gold. (Computed gold at \$20. per ounce. Silver at .30¢ per ounce.)

TIMBER

Timber suitable for mining purposes is available in the forest reserve adjoining the property and is purchaseable at a low cost. Also suitable tim-

ber grows on the mining property, the trees being principally oak, pine, juniper and cedar.

WATER.

An ample supply of good water for all purposes is found on the property furnished by ever-flowing springs.

PLAN OF DEVELOPMENT .

Accompanying this report is a preliminary survey and map of the Gold Bullion mine, as so far developed, showing also the recommended further development.

It will be observed that the portal of the Adit, or tunnel No. 1 is approximately only 25 feet above the bed of Cherry Creek, although at a distance of 240 feet from the creek bed. Its elevation, therefore, is the lowest that can be recommended. This adit or tunnel gains satisfactory stoping ground for a distance of about 700 feet, (at that point about 200 feet of stope) and beyond that distance (not shown on the map) somewhat level for a distance of about 200 feet. Then gradually, and in some places rapidly, gaining elevation to the north limit of our property

The map will show a level 75 feet vertically above the adit or lower tunnel No. 1. This level can be opened up as an adit, shown on the map as Tunnel No. 2, and the ore therefrom taken down to the ore bin at the mill on a 3 rail track. The length of this track will be 525 feet.

It is recommended to drive both tunnels at the same time, to reduce the costs and shorten the period of development.

Further development will be in the nature of putting in upraises, stoping, extending the tunnels, and eventually sinking shafts to lower levels below the oxidized zone, to explore the sulphides. Such development would be rather remote, however, as there is considerable territory to explore above Tunnel No. 1 by drifting and crosscutting.

ORE SUPPLY FOR PILOT MILL.

Taking into consideration the character of the vein, the brittleness of the ore and vein matter, the closeness of the mine workings to the mill, the facilities of conveyance of ore from mine to mill and other favorable conditions, I believe that under the plan of development and operations herein suggested, a small crew of men will break enough ore to keep a pilot mill operating most of the time. However, it is to be recommended that at least three months' supply of mined ore be available at and for the pilot mill before it starts operating.

APPROXIMATE COST OF MINING & MILLING.

The cost of mining and milling, under the plan of development and operations herein suggested, should not exceed \$5. per ton. The cost of milling will be reduced after further development, when the stopes are being mined, providing tonnage for a mill of larger daily capacity. The greater tonnage of ore milled, ordinarily, the lower cost per ton. For instance, if the operating cost of a 25 ton mill is \$2. per ton, the operating cost of a 50 ton mill will be less per ton, and of a 100 ton mill still less.

The profitable results of operations of the pilot mill will determine the daily capacity of the mill which will eventually be equipped on the property,

after the mine has been further developed.

CONCLUSION.

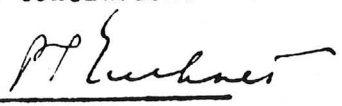
In conclusion, I have no hesitation in stating that, in my opinion, the Gold Bullion mining property is attractive, meriting the investment of capital to prospect and develop it in a systematic manner.

Respectfully submitted,

H. HUGHES-ROBERTS.

Phoenix, Arizona.
20th February, 1933.

NOTE. The foregoing is an extract from the report of Mr. H. Hughes-Roberts, made for the group of army officers who bought the property in 1933. Certain parts have been omitted, such as a discussion of the Cherry Creek region, and an explanation of different processes of treating ores. All pertinent parts of the reports are contained above, the conclusions and sense of the report being in no way changed or altered.

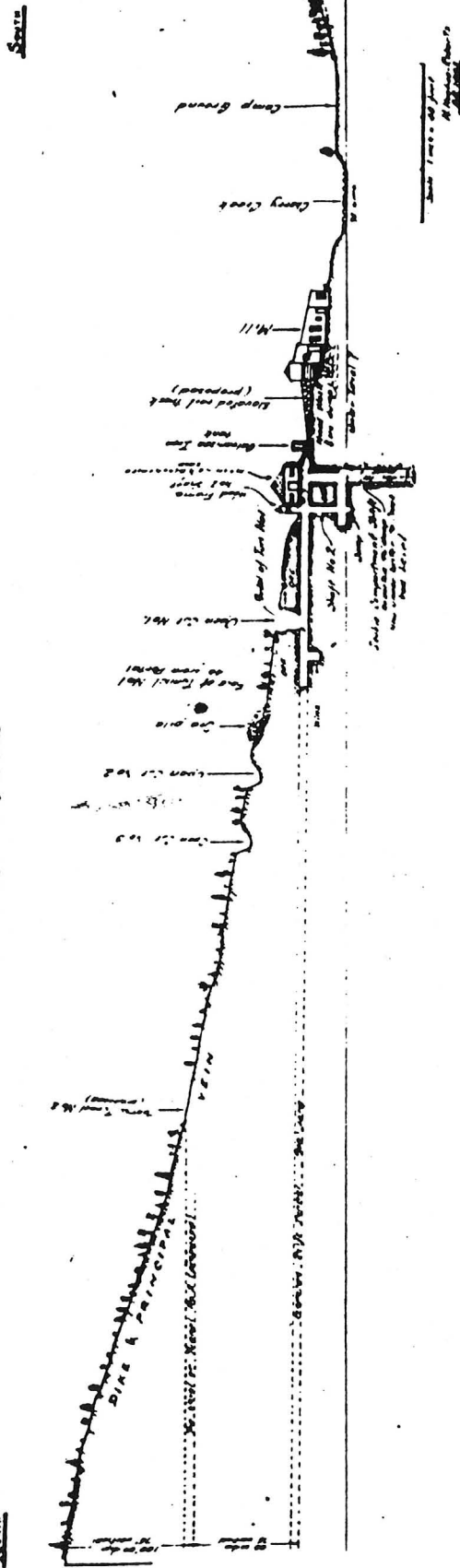

P.C. EUCHNER.

San Antonio, Texas.
April 28, 1934.

MAP NO. 1

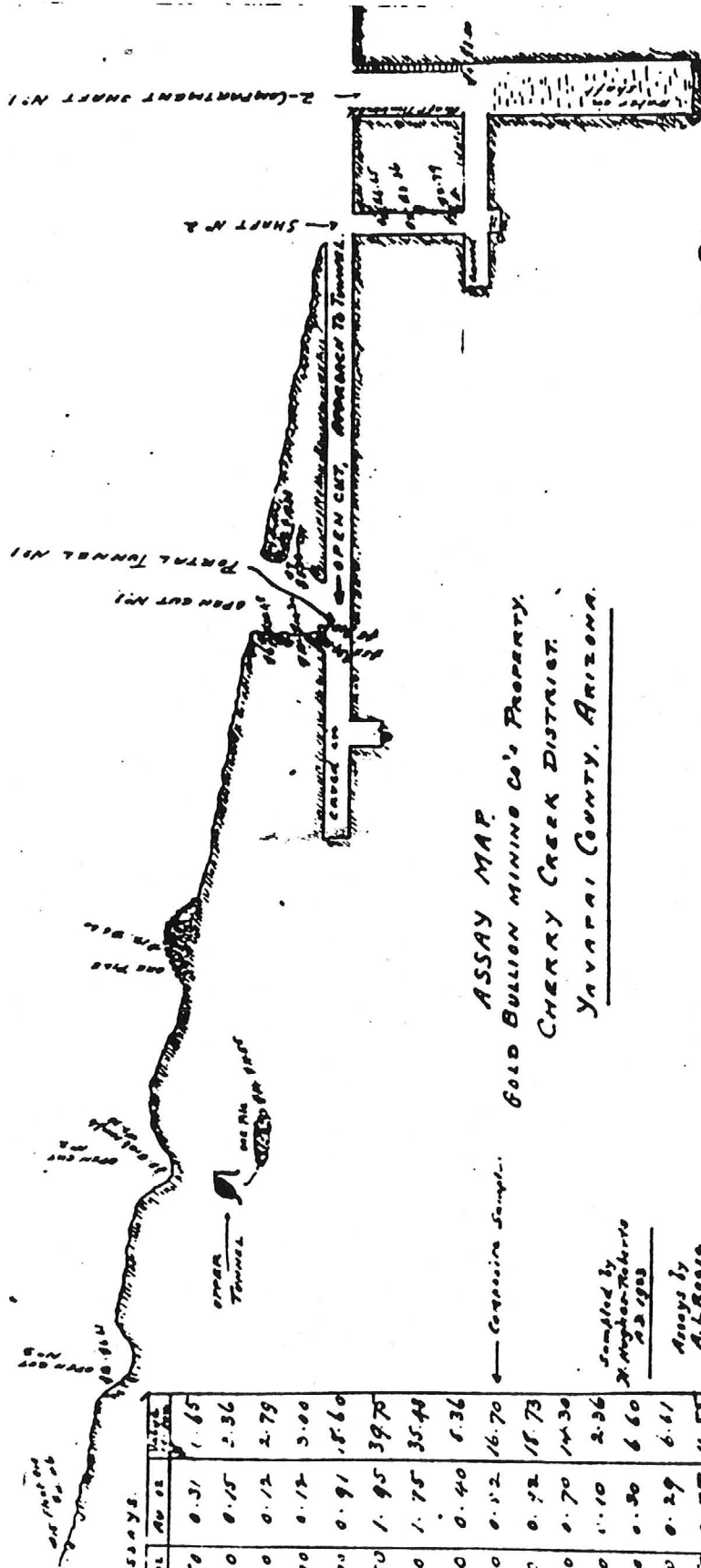
LONGITUDINAL SECTION
THROUGH A PORTION OF THE PROPERTY
THE GOLD BULLION MINING CO.
YAVAPAI COUNTY, ARIZ.

Scale



NORTH

SOUTH



ASSAY MAP
GOLD BULLION MINING CO.'S PROPERTY.
CHERRY CREEK DISTRICT.
YAVAPAI COUNTY, ARIZONA.

← Cassette Sample

Sampled by
H. H. Roberts
Feb. 1923

Assays by
A. L. Reese
Feb. 1923

Assays	Ag. 11	Ag. 12	Ag. 13
1	1.50	0.31	1.65
2	1.20	0.15	2.36
3	1.30	0.12	2.79
4	2.00	0.12	3.00
5	2.00	0.91	18.60
6	2.50	1.95	39.70
7	1.60	1.75	35.48
8	1.20	0.40	6.36
9	1.00	0.52	16.70
10	1.10	0.72	18.73
11	1.00	0.70	14.30
12	1.20	1.10	2.36
13	2.00	0.30	6.60
14	2.70	0.29	6.61
15	0.50	0.57	11.53
16	0.20	0.22	4.46

Gold & Silver

W. H. Roberts

DISCUSSION OF PROPERTY OWNED BY THE

GOLD BULLION MINING CO., INC.,

CHERRY, ARIZONA.

355 17
20-13
16-8

LOCATION:

Cherry, the village and postoffice of the Cherry Creek District, is 34 miles east of Prescott, Arizona, and about 8 miles due South of the United Verde Copper Campanas mine. The nearest rail siding is at Dewey, 18 miles West. The Gold Bullion mine is one mile north west of Cherry P. O. There are excellent roads to Cherry from all surrounding towns, with the exception of the last mile, which is readily passable by automobile, but which needs work in order to be considered first class.

GENERAL GEOLOGY OF DISTRICT:

The Cherry Creek District, which contains many gold bearing veins, occupies the Southwest corner of the Jerome Quadrangle, where the Black Hills are crossed by the Highway from Prescott to Camp Verde. In this vicinity the main ridge drops off sharply toward the east with a descent of 2500 feet in 2 miles. Cherry Creek breaks across this scarp in an abrupt canyon but in its upper course forms a broad flat basin at altitudes of 5000 to 5500 feet. The ore deposits occur in this basin and also on the steep slopes and to the south and southwest, as at the Logan and other mines.

The country rock is the normal Bradshaw Granite, massive and forming large rounded outcrops of a yellowish-white tinge. This rock occupies a broad area about ten miles wide cutting thru the Yavapai Schist, which forms the greater part of the Black Hills.

On the southwest the Yavapai Schist appears again in Cherry Creek Canyon. Toward the south and southeast the granite is covered by Tertiary Volcanic flows, which slope southward and occupy much space in the north east corner of the Bradshaw Quadrangle.

The veins follow shattered or sheared dikes of granite porphyry extending in a northerly direction and dipping west at moderate angles. A few dip slightly to the east or north.

HISTORY OF DISTRICT AND SPECIFIC DESCRIPTION OF GOLD BULLION PROPERTY

The Cherry Creek quartz veins contain mostly free gold, and the mines in this district have been worked from comparatively early times. The Monarch Mine has been worked since 1883, but is at present shut down. Most of the previous work done in this district was performed about 1907.

Free gold is common as visible particles in quartz and much gold is derived from oxidation of sulphides. Most of the work in this district

has been in oxidized surface ores, down to the 300 foot level, but one property, the Leghorn, which operated intermittantly for nearly 14 years, is 800 feet deep.

In 1907, seven properties were in operation, with six mills. Some high grade ore containing as much as \$80.00 to \$100.00 to the ton was mined. The concentrates after amalgamation are said to contain gold to the value of \$80.00 to \$100.00 per ton.

The Etta, Conger, Gold Ring, Monarch and several other properties produced a good deal of high grade "Picture Rock". The Etta had a quartz vein 5 to 8 feet wide, developed to a depth of 200 feet and containing ore of a value of \$20.00 per ton, aside from the specimen highgrade. The writer has seen some of the high grade from the Etta, very rich in free gold.

The property under consideration was formerly known as the Copper Bullion mine, and now known as the Gold Bullion, is owned and operated by the Gold Bullion Mining Company, Inc., an Arizona Corporation. Mr. W. B. Tucker, President.

The principal claim was originally located in 1896, and has been continuously in one family ever since up to the time it was purchased by the Tuckers in May, 1930. The Gold Bullion Mining Company, Inc., took it over in 1932. As is usual in these free gold properties, milling began with an arrastre, and some high grade values were extracted.

The Country rock here is the usual granite and schist. Thru the length of the property runs one of the characteristic porphyry dikes, in this case an exceptionally strong one averaging 200 feet wide at the surface cutting the formation for more than seven miles. The strike is north-west to south-east and the dip roughly 45 degrees to the west. The vein, contacting this porphyry dike, is a granular quartz from 5 to 9 feet in width. The mineral content is in free gold with a small amount of copper averaging under one percent.

NUMBER OF CLAIMS AND WORK DONE:

The property consists of a group of eight claims, three of which are along the main vein, making a total length of 4500 feet along this vein. The group is compact, and the balance of the claims show from one to three veins each, dipping towards the main lead, and 1 all of commercial importance. At the north end of the claims, trenching for ten feet shows commercial ore in place all the way.

The main work has been done near the south end of the vein. This consists mainly of a ninety two foot inclined shaft with an 85 foot drift on the 40 foot level and a 50 foot drift on the 92 foot level. (The ore on this level averaged \$30.00) There is also a 40 foot surface cut out of which considerable ore was taken. Some other small surface work has been done along the vein for sampling purposes.

VALUES

The present dump samples at \$4.00. Sampling of the vein shows values of from \$4.00 to better than \$150.00. One Hundred thirty five tons of ore taken at the surface and shipped run of mine to Hayden gave an average return of \$10.00 per ton.

Mill tests showed the following heads:-

Lot # 1, 80 tons, Average values \$18.80 per ton.

Lot # 2, 12 tons, Average values 12.00 per ton.

Lot # 3, 10 Tons, Average values 23.00 per ton.

The ore is very friable and is easily mined and milled. Most of the gold is free milling and very little Sulphide is present. The ore is amenable to amalgamation and gravity concentration or flotation, or a combination of these, or straight flotation.

EQUIPMENT:

Mine: The present mine equipment consists of an 8 HP Olds Gasoline hoist, skip, cars and the usual track, tools, ect. There is a 10 x 10 IR Type E. R. Compressor on the ground, almost new, which, however, has never been installed, the ground being so soft as to easily yield to hand methods of mining.

Mill: An excellent small mill is on the property at the present time, with building and the usual pumps, piping and tanks. The machinery consists of a 35 HP Titan Distillate Engine as prime mover, 8 x 10 Blake type crusher, AMCO 3 x 4 Ball Mill, Challenge type ore feeder, amalgamation plate, Diester-Overstrom diagonal deck concentration table, Kraut Oil Feeder, Wilfley sand pump and K and K 6 foot flotation machine. This equipment is in excellent condition and by feeding minus $\frac{3}{4}$ inch to the mill (more than 50 % is minus $\frac{3}{4}$ due to the friability of the ore and the large proportion of fines) the capacity of the plant is from 25 to 30 tons per day.

CONDENSED FLOW SHEET:

The ore is crushed to minus $\frac{3}{4}$ ^{ground in} inch closed circuit, and goes to the plates minus 30 mesh. Here the free gold is amalgamated. From the plates to the concentrating table where the heavy sulphides are removed (these form a very small bulk) then to the AMCO conditioning tank where AeroFloats # 15 and 25 are added. A small amount of lime and Sodium Aerofloat is added at the ball mill. Then a bulk flotation of the slimes is made in the K and K machine. An excellent recovery is made by this procedure.

Note: Plenty of water from the creek running thru the property, is available for milling purposes.

CAMP:

The camp consists of four buildings, two dwellings and two bunk-houses all in good repair.

TIMBER:

Native mine timber can be obtained close to the mine.

RECOMMENDATIONS:

It is recommended that the present hoist be replaced by a fifteen

or twenty five HP hoist.

The shaft should be enlarged, retimbered and sunk to the 300 foot level for preliminary development. Drifts should be run on the 100 foot, 200 and 300 foot levels to open up the ore body, and probably the bulk of the drifting should be done to the north, where considerable stoping back is thereby obtained. Some drifting to the south and some exploratory cross cutting should be done from time to time. About 1500 foot of development work should be done before there is any thought of stoping or enlarging the present mill, which will act as a pilot plant. As the work will all be on the vein and in ore, the mill may be operated periodically as enough development ore is available for a run. Thus the assay maps will be checked practically by the average values of the mill runs.

It is expected that the development ore will return approximately 25% of the development cost at the average mill head values periodically experienced. If high grade ore is encountered, it may pay all the development cost.

When the development schedule is at the point contemplated, and stoping is begun, a fifty ton plant or whatever size is warranted by the showing of ore blocked out may be erected. The development work should be kept at least three months ahead of the mill capacity.

At the present low cost of labor and supplies, and considering the extreme accessibility of this mine and the all year weather conditions, the cost of the above proposed schedule should not be greatly in excess of ten thousand dollars, not considering the cost of possible new and larger equipment other than the hoist.

COMMENT:

This property has certainly one of the largest and best showings in the entire Cherry District, noted for its high-grade free milling ores.

Gold Mining is just coming back into its own in this district due to the present economic conditions and many properties are opening up. It has been the scene of several rich strikes, the latest being one reported to assay \$10,000.00 per ton. The owners of this last strike have built a little home made milling plant and the ore is so rich that the plates have to be cleaned every 30 minutes. There is no reason why similar strikes may not be made on this property, with such an excellent surface showing. It is well worth careful consideration and an economical, controlled development program.

NOTE:

The writer is indebted to Lindgren for the general description of the Cherry District, and to Mr. Roscoe Tucker for data on the Gold Bullion Mine.

PRESCOTT, ARIZONA
AUGUST 11, 1932

Brief Report on the Gold Bullion Mining
Company's property, in the Cherry Creek
District, Yavapai County, Arizona,
by W. C. Broadgate.

The writer has been familiar with the Cherry Creek District for a number of years. Outside of the abstraction of oxidized surface ores to a depth of two or three hundred feet, no real development work has been done. To the knowledge of the writer, the Laghorn mine, not far from the Gold Bullion having a depth of about 640 feet, is the deepest working in the district. It is our understanding that the Laghorn samples out reasonably well at depth.

We know of a number of very strong persistent dykes and veins running through the country, indicating considerable depth, of which the dyke crossing the Gold Bullion ground is one. The property has never really had a proper chance, due to the small amount of work that has been done there in the past and the lack of knowledge of the present owners of proper mining methods, combined with their restricted capital.

The writer, in common with Mr. Smeddle, Mr. Witcher, Mr. Johnson and several other Engineers who have examined the property, is considerably impressed with the geological possibilities; Mr. Smeddle stated to the writer that on the adjoining property to the south, called the Sunnybrook, there is a fine showing on this same vein system.

The property, as far as we know, consists of a group of eight claims, three of which are along the main vein making a total length of 4,500 feet along the vein. The group is compact, and the balance of the claims show from one to three veins, each dipping toward the main lead and all showing some ore which may prove to be of commercial importance.

Thru the length of the property runs one of the characteristic porphyry dykes common in the district, in this case an exceptionally strong one averaging 200 feet wide at the surface and cutting the formation for more than seven miles. The Gold Bullion vein, contracting this porphyry dyke, is a granular quartz from 5 feet to 9 feet in width. The mineral content seems to be in free gold, some sulphides, with a small amount of copper, supposed to average under one per cent.

The ore is very friable and is easily mined and milled.

The writer has for a number of years considered this property one of the most promising prospects in Cherry Creek District.

Dated at Prescott, Arizona, Feb. 25, 1935.

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date 8-10-46

1. Mine: GOLD BULLION MINE

2. Location: Sec. _____ Twp. _____ Range _____ Nearest Town Cherry
Distance 1 mi Direction NW Road Condition good

3. Mining District & County: Cherry Creek

4. Former Name of Mine: Copper Bullion

5. Owner: Gold Bullion Mining Co. Inc.

Address: Cherry via Dewey, Arizona

6. Operator: R. H. Buckner mgr.

Address: Tenament Hotel, Red Bluff, Calif.

7. Principal Minerals: Gold, Silver & Copper

8. Number of Claims: 8 Lode ☒ Placer ☐

Patented _____ Unpatented unpatented

9. Type of Surrounding Terrain:

Cherry Creek thru Property.
Abundance of water at shallow depth.

10. Geology & Mineralization: (Granitic). Siliceous ore

Porphyry dyke about 200 ft wide northwesterly
to north easterly direction. Lode outcrops for
6 miles - with commercial showings at number
of places.

11. Dimension & Value or Ore Body:

2 ft. to 8 ft.
About 30 Carloads of ore bag. about 1800
on Ton 207 of Smelter

12. Ore "Blocked Out" or "In Sight":

Approx 1000 Tons

Ore Probable:

Should be further developed
for large tonnage

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts. 1 1	110	good
Raizes. 2	40 ft	unknown - probably good
Tunnels. 1		Worked to Paper - Bad
Crosscuts.		none
Stopes.		

14. Water Supply:

from Creek - spring on shaft
Plenty for large mill

15. Brief History:

Have mined & shipped ore from
Property intermittently for over 15 years.

16. Signature:

RH. Quisenberry

CHERRY, ARIZ. OR TREMONT HOTEL, RED BLOFF, Calif.

17. If Property for Sale, List Approximate Price and Terms:

12500. Small cash

Payment - approx 10% - Bal for shipment or min. Royalty.