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PRINTED: 09/06/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: WEEPAH ET AL

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 13C

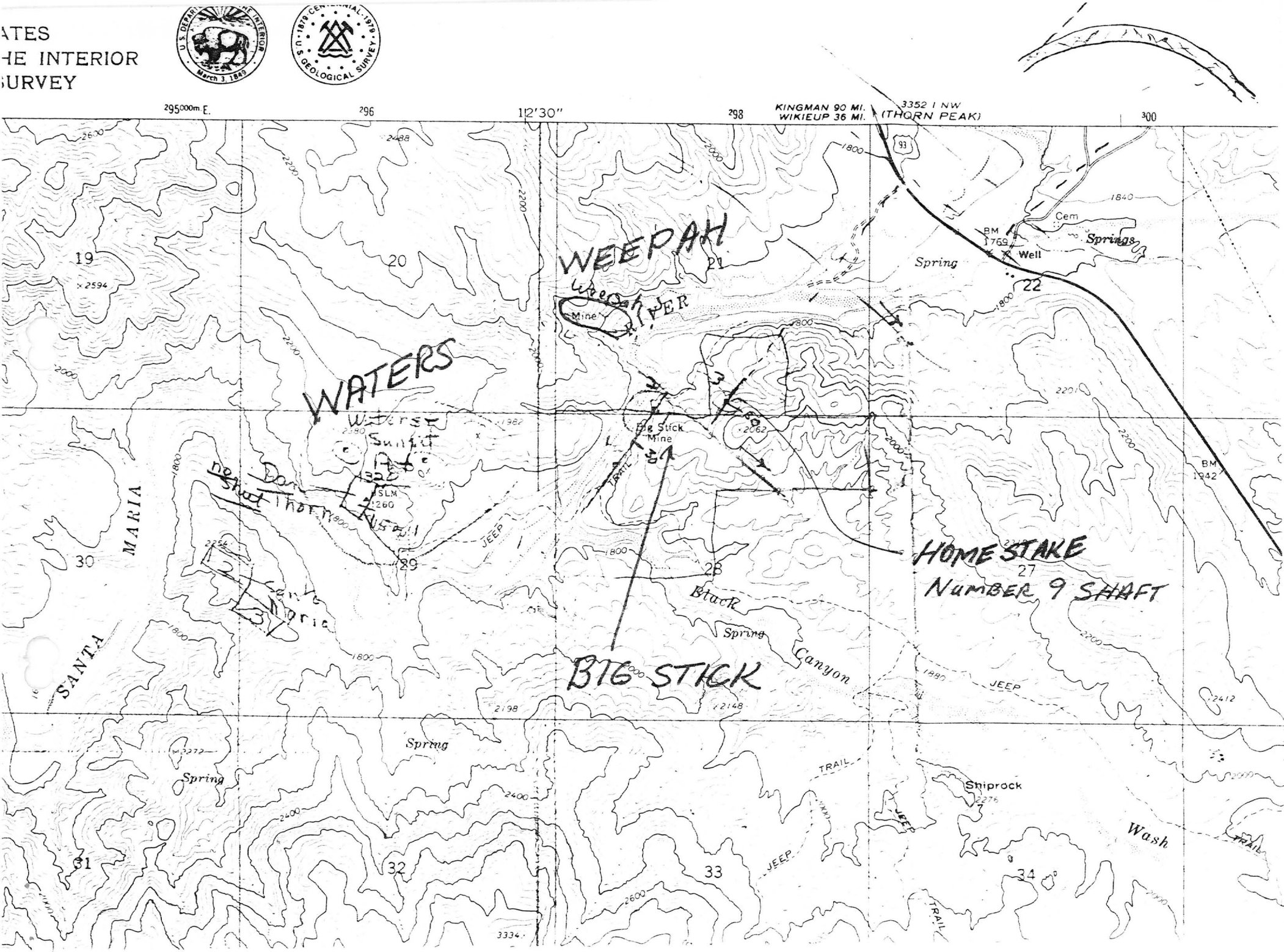
LOCATION: TOWNSHIP 12 N RANGE 9 W SECTION 21 QUARTER SW
LATITUDE: N 34DEG 21MIN 57SEC LONGITUDE: W 113DEG 12MIN 18SEC
TOPO MAP NAME: MALPAIS MESA SW - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
GOLD LODE
COPPER
SILVER
IRON
SILICON

BIBLIOGRAPHY:
ADMMR WEEPAH ET AL FILE
METZGER, O.H. GOLD MINING AND MILLING IN THE WICKENBURG AREA USBM IC 6991 P 43

ATES
HE INTERIOR
SURVEY



Merrill Ryan

REFERENCE PAGE

WEEPAH ET AL

YAVAPAI COUNTY
EUREKA DISTRICT

This file primarily contains information on the WEEPAH Mine.

Some maps and reports in this file discuss more than just the WEEPAH Mine. Additional properties mentioned include the HOMESTAKE, the PORTLAND, the GOODENUFF, and the SANTA MARIA PLACERS. More detailed information on these properties may be contained in other files. Check card files for additional information.

LEONARD WORCESTER
3908 FORT BOULEVARD

~~EL PASO, TEXAS~~
San Marcos Mine,
Wenden, Arizona,
December 13th.,1934.

Mr. J. Andrew West,
Prescott, Arizona.

Dear Mr; West:-

Enclosed is check fOr $42.14 covering 10% royalty on car of ore shipped from the Weepah.

Haulage on 34.68 tons @ $5.50-------	190.74
Hawley & Hawley & Assaying----------	10.50
Total Deduction	201.24

Smelter Returns----------	622.61
Deductions----------	201.24
Balance---	421.37
10% royalty----	42.14.

Understand Jackson is making arrangements to put in a compressor. Expect to make a trip over there soon and will let you know just what they are doing. I have some people who are contemplating taking hold of the Weepah with the idea of building a 25 ton mill. This is all talk so far but may materialize by the first of the year.

Wish you would let me know if you make any deal on the Gold Reef as I have some parties interested and intend doing some more sampling on it between now and the first of the year, but don't want to go to that expense if the property is tied up.

Yours very truly,

A.W. Worcester

A.W.Worcester.

5) 42.14
8.43

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date: June 21,1957

1. Mine: WEEPAH 5 LODES; HOMESTAKE 9 Lodes, PORTLAND GROUP 9 LODES SANTA MARIA PLACERS 8 Placers 160 acres 1 Placer 240 acres
2. Location: Sec. ..... Twp. ..... Range ..... Nearest Town: On Santa Maria River 30 miles westerly from Congress, Arizona and about 5 miles westerly from new Kingman-Phoenix Highway

   Distance ..... Direction ..... Road Condition .....
3. Mining District & County: Eureka Mining District, Yavapai County, Arizona
4. Former Name of Mine: The late Governor Campbell did mining on the HOMESTAKE GROUP 50 years ago.
5. Owner: J.ANDREW WEST

   Address: 5070 ~~HOLDEN AVENUE~~ , ARLINGTON, CALIFORNIA
   14 STOCK (1-3-59)
6. Operator: Idle

   Address: .....
7. Principal Minerals: Gold,free milling, known to be free to at least 500 level as old timers drove a tunnel from River bank into veing which tunnel is 500 feet lower than working on top of WEEPAH GROUP. The tunnel or is free milling.
8. Number of Claims: Lode ..... Placer .....

   Patented ..... Unpatented: All unpatented. Work done to July 1,1958
9. Type of Surrounding Terrain: Rose Quartz and some granite boulders.

10. Geology & Mineralization: According to old reports geology idea for gold

11. Dimension & Value of Ore Body:

    Gold . Some ten cars from WEEPAH GROUP averaged about $25.00 per ton in Gold

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

On WEEPAH GROUP a perfect tunnel site would allow steping of ore for 500 feet upward. There is a perfect millsite where the ore would be dumped into the mill. The ore averages better than 30 inches in width.

Ore Probable: Ore plentiful for a major operation.

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts		
Raises		
Tunnels		
Crosscuts		
Stopes		

14. Water Supply: Santa Maria River affords an abundance of water.

15. Brief History: HOMESTAKE operated by Gov.Thos.Campbell, and Later by R.A.Murray, Mgr.For a San Francisco crewd.

ROAD: I have surrounded one or two sand beds and it would be easy to surround surround three other sand beds by skirting a low range mountain for about a half mile. Adeds As it is the road is passable in a Model A or Jeep. A dozer could repair road in a day.

16. Signature: J. Andrew West

17. If Property for Sale, List Approximate Price and Terms: $200,000.00 for the 3 lode Groups and 400 acres of Placers all all can be paid with 10% royalty

1-9

...ZONA COPPER COMPANY

SUPERIOR, ARIZONA

Settlement No. 468

Smelter Lot 909 DATE

Shipper Lot M-224

BOUGHT OF A. W. Worcester, Classification

ADDRESS Wendon, Arizona.

F. H. KEDDINGTON CO. - TUCSON

CAR Initial	CAR Number	WET WEIGHT Gross	WET WEIGHT Tare	WET WEIGHT Net	Moisture %	DRY WEIGHT
AT	174302	116200	46840	69360	1.8	68112
				34.68		34.056

N. Y. QUOTATIONS

Date Nov. 27, 1934

Copper (per lb.)

Less

Silver (per oz.)

Gold (per oz.) 32.20 (92% of $35.00)

ASSAY and ANALYSIS			PAYMENTS PER TON	DEBITS	CREDITS
Copper	0.40	Pct.	lbs. per ton, less lbs. at Per lb.		
Silver	0.40	Oz.	oz. per ton, less oz. at Per oz.		
Gold	0.80	Oz.	0.80 oz. per ton oz. at 32.20 Per oz.		25.76
Iron	4.1	Pct.	units at Per Unit.		
Lime	2.1	"	units at Per Unit.		
Alumina	7.4	"	units at Per Unit.		
Silica	77.2	"	units at Per Unit.		
Sulphur	0.5	"	units at Per Unit.		
Manganese		"	units at Per Unit.		
Arsenic		"	units at Per Unit.		
Antimony		"	units at Per Unit.		
Bismuth		"	units at Per Unit.		
Insoluble		"	units at Per Unit.		
			Treatment Charge	3.50	
			TOTALS	3.50	25.76
			Net Value Per Ton		22.26

Total Value of 34.056 Dry Tons at $ 22.26		758.09
Less Freight 34.68 Tons at $ 2.85 From Congress, Arizona. Value per ton $20.80	98.84	
Less Switching		
Less Sampling		
Less Additional Treatment Charge of 10% of metals paid for in excess of $15.00. Excess is 10.76 - 1.076 x 34.056	36.64	
TOTALS	135.48	758.09
Amount Due Shipper—Voucher No.		622.61

Made by HEE Checked WS Approved WK

*COMMODITIES PRESENT C10 < A.G. A.U.
*ORE MINERALS C30 < UNKNOWN GOLD
COMMODITY SUBTYPES C41 <
*GEN. ANALYTICAL DATA C43 <
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

PRODUCER		NON-PRODUCER	
MAJOR PRODUCTS	MAJOR < A.U. >	MAIN COMMODITIES PRESENT	C11 < >
MINOR PRODUCTS	MINOR < A.G. >	MINOR COMMODITIES PRESENT	C12 < >
POTENTIAL PRODUCTS	POTEN < >		
OCCURRENCES	OCCUR < >	OCCURRENCES	OCCUR < >

*PRODUCTION

PRODUCER	NON-PRODUCER
PRODUCTION YES (circle) PRODUCTION SIZE SML MED LGE (circle one)	PRODUCTION UND NO (circle one)

*STATUS — EXPLORATION OR DEVELOPMENT

PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < 4 >	STATUS AND ACTIVITY A20 < >

*DISCOVERER L20 <
*YEAR OF DISCOVERY L10 < 1890's > *NATURE OF DISCOVERY L30 < B > *YEAR OF FIRST PRODUCTION L40 < 1940 > *YEAR OF LAST PRODUCTION L45 < 1941
*PRESENT/LAST OWNER A12 < J. ANDREW WEST (1957)
*PRESENT/LAST OPERATOR A13 < JAMES G. PHELPS (1941)
EXPL./DEV.COMMENTS L110 < PROPERTY CONSISTS OF 5 UNPATENTED CLAIMS

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 < VEIN
DEPOSIT FORM/SHAPE M10 < TABULAR
*DEPTH TO TOP M20 < > *UNITS M21 < > *MAXIMUM LENGTH M40 < 4000 > *UNITS M41 < FT >
DEPTH TO BOTTOM M30 < 100 > *UNITS M31 < FT > *MAXIMUM WIDTH M50 < 10 > *UNITS M51 <
*DEPOSIT SIZE M15 < SMALL > M16 < MEDIUM > M16 < LARGE > (circle one) *MAXIMUM THICKNESS M60 < 4 > *UNITS M61 < FT >
*STRIKE M70 < N 30E > *DIP M80 < 60 SE >
*DIRECTION OF PLUNGE M100 < > *PLUNGE M90 <
*DEP. DESC. COMMENTS M110 < VEINS PARALLEL RHYOLITE DIKES AND ARE OLDER (?) THAN E-W TRENDING BIOTITE DIKES

DESCRIPTION OF WORKINGS

*Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one) *OVERALL LENGTH M190 < 200 > *UNITS M191 < FT >
*DEPTH BELOW SURFACE M160 < 100 > *UNITS M161 < FT > *OVERALL WIDTH M200 < 10 > *UNITS M201 < FT >
*LENGTH OF WORKINGS M170 < 500 > *UNITS M171 < FT > *OVERALL AREA M210 < 2000 > *UNITS M211 < SQ. FT >
DESC. OF WORK. COM. M220 < 4 SHAFT APROX. 75 FT DEEP, 2 TUNNELS, ONE SHAFT APROX 100 FT DEEP

GEOLOGY

*AGE OF HOST ROCK(S) K1 < P.R.O.T., T.E.R.T., U. UNDATED, BUT PROBABLY 1700-1780 MILLION YEARS OLD; UNDATED - MAY BE TERTIARY
*HOST ROCK TYPE(S) K1A < GRANITE, QUARTZ MONZONITE, MUSCOVITE SCHIST; RHYOLITE PORPHYRY
*AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., T.E.R.T., U. AS LINE K1
*IGNEOUS ROCK TYPE(S) K2A < GRANITE, QUARTZ MONZONITE
*AGE OF MINERALIZATION K3 < T.E.R.T., U. UNDATED, BUT PROBABLY MID-TERTIARY
*PERT. MINERALS (NOT ORE) K4 < QUARTZ, LIMONITE, MAGNETITE
*ORE CONTROL/LOCUS K5 < FAULTING, SHEARING
*MAJ. REG. TRENDS/STRUCT. N5 < MINOR FOLIATION IN SCHIST TRENDS NE; IGNEOUS ROCKS MASSIVE
*TECTONIC SETTING N15 <
*SIGNIFICANT LOCAL STRUCT. N70 < VEINS OFTEN ARE LOW-ANGLE, DIPPING LESS THAN 40 DEGREES
*SIGNIFICANT ALTERATION N75 < NONE
*PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR SURFACE
*FORMATION AGE N30 < P.R.O.T., U. 1700 GREATER THAN 1700 MILLION YEARS
*FORMATION NAME N30A < HILLSIDE MICA SCHIST (MUSCOVITE SCHIST)
SECOND FM AGE N35 < U.
SECOND FM NAME N35A <
*IGNEOUS UNIT AGE N50 < P.R.O.T., U. UNDATED, BUT PROBABLY 1700-1780 MILLION YEARS OLD
*IGNEOUS UNIT NAME N50A < NO FORMAL NAMES FOR GRANITE, QUARTZ MONZONITE
SECOND IG. UNIT AGE N55 < C.R.E.T.-T.E.R.T., U. UNDATED; MAY RANGE FROM LATE CRETACEOUS TO MID-TERTIARY
SECOND IG. UNIT NAME N55A < RHYOLITE AND MORE MAFIC DIKES (UNNAMED)
GEOLOGY COMMENTS N85 < DEPOSIT IS LOW-ANGLE QUARTZ VEIN WHICH CUTS PROTEROZOIC IGNEOUS ROCKS. TERTIARY IGNEOUS ROCKS MAY BE PRESENT LOCALLY MORE QUARTZ VEINS OR MAY BE ABSENT

GENERAL COMMENTS

GENERAL COMMENTS GEN <

GENERAL REFERENCES

REFERENCE 1 F1 < AZ DEPT MIN RESOURCES FILE DATA

REFERENCE 2 F2 < USBM- ABGMT FILE DATA

REFERENCE 3 F3 < USBM I.C. 6991, p. 74-75

REFERENCE 4 F4 <

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

*RECORD NUMBER B10 <>
*RECORD TYPE B20 <X,1,M,>
DEPOSIT NUMBER B40 <>
*REPORT DATE G1 <8,1,X,1,1,> (YR. MO.)
*INFORMATION SOURCE B30 <1,2,>
*FILE LINK IDENT. B50 <USBM-004 026 1581>

*REPORTER(SUPERVISOR) G2 < LARABA PETER (DEWITT ED >
(last, first, middle initial) (last, first, middle initial)

*REPORTER AFFILIATION G5 < ABGMT >
*SITE NAME A10 < WEEPAH MINE >
*SYNONYMS A11 <>

LOCATION

*MINING DISTRICT/AREA A30 < CROSBY DISTRICT >
*COUNTY A60 < YAVAPAI >
*STATE A50 <>
*COUNTRY A40 <U.S.>
*PHYSIOGRAPHIC PROV A63 <1,2,X,>
*DRAINAGE AREA A62 <1,5,0,3,0,2,0,3,X,>
*LAND STATUS A64 <3,0,X,X,(,)>
*QUADRANGLE NAME A90 < MALPAIS MESA SW (1,9,6,7,)>
*QUADRANGLE SCALE A100 <2,4,0,0,0,>
SECOND QUAD NAME A92 <(,)>
SECOND QUAD SCALE A91 <>
*ELEVATION A107 <1,8,0,0,X,F,T,>

UTM

*NORTHING A120 <3,9,0,4,7,6,0,>
*EASTING A130 <2,9,7,2,4,0,>
*ZONE NUMBER A110 <+1,2,>

*ACCURACY

ACCURATE (ACC) (circle)
ESTIMATED EST <>

GEODETIC

*LATITUDE A70 <-- -- N,>
*LONGITUDE A80 <-- -- W,>

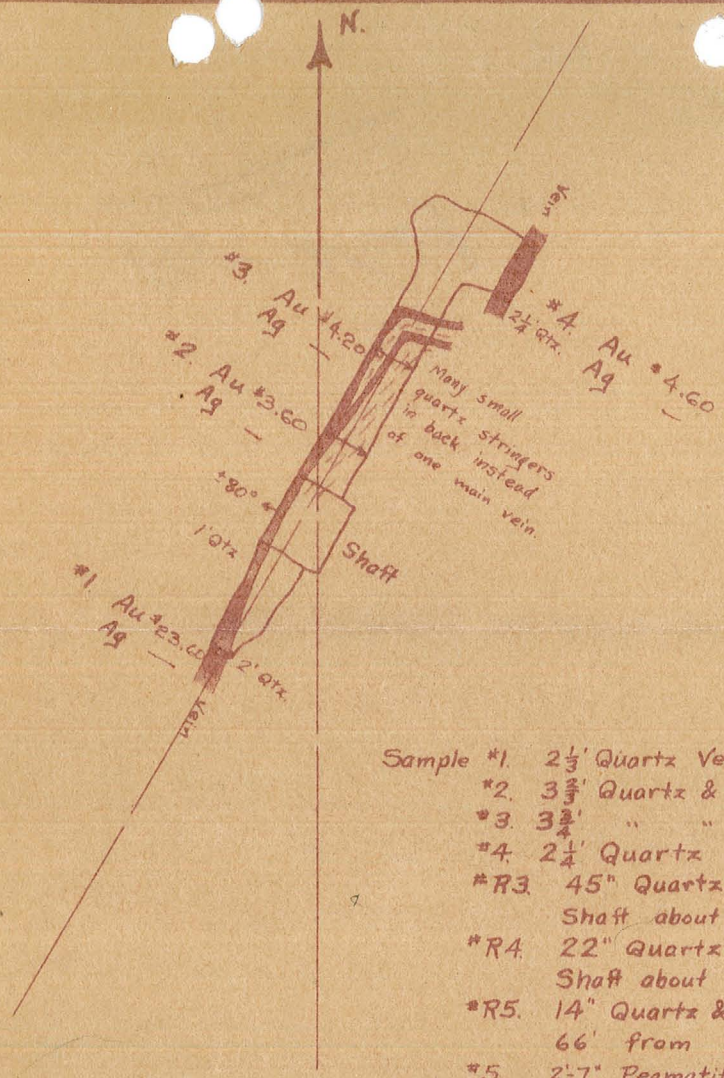
CADASTRAL

*TOWNSHIP(S) A77 <0,1,2,N,X,X,X,X,>
*RANGE(S) A78 <0,0,9,W,X,X,X,X,>
*SECTION(S) A79 <21 X,X,X,>
*SECTION FRACTION(S) A76 < SE OF NW OF SW >
*MERIDIAN(S) A81 < GILA AND SALT RIVER >

*POSITION FROM NEAREST PROMINENT LOCALITY A82 < 5.15 MILES S-SW OF THORN PEAK >
*LOCATION COMMENTS A83 < LOCATED ON NORTHWEST SIDE OF SANTA MARIA RIVER. ACROSS FROM BIG STICK MINE >

* ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

(4)



Sample #1. 2⅓' Quartz Vein.
#2. 3⅔' Quartz & Pegmatite across full width of back
#3. 3¾' " " " " " " "
#4. 2¼' Quartz Vein.
#R3. 45" Quartz & Pegmatite on North side of Shaft about 55' from collar. Au $3.00 Ag —
#R4. 22" Quartz & Pegmatite on South side of Shaft about 55' from collar. Au $5.00 Ag —
#R5. 14" Quartz & Pegmatite on N.W. side of Shaft 66' from collar. Au $10.00 Ag —
#5. 2'-7" Pegmatite on North side of Shaft at 75'. Au $5.00 Ag —
#6. 1' Quart Vein on North side of Shaft at 75' next to #5. Au $37.00 Ag —
#7. Pegamite on South side of Shaft at 75' 2'-5" Au $1.40 Ag —
#8. 1'-5" Quartz Vein next to #7. Au $26.00 Ag —

DATE 6-17-32	UNITED VERDE COPPER CO. MINE ENGINEERS OFFICE JEROME, ARIZ.	FILING NO.
SCALE 1" = 20'	TITLE 48'-Level on Weepah Gold #1 Claim	CONSECUTIVE NO.
DRAWN W.R.S.	85' Inclined Shaft, Eureka District	

near Hillside, Ariz. Report by Reber

REPORT ON PROPERTY about 1928

WEEPAH GOLD MINING CLAIMS YAVAPAI COUNTY, ARIZONA

LOCATION:

This property is located in the Eureka Mining District, 26 miles north-westerly from Congress Junction, or 18 miles westerly from Date Creek, Arizona, both stations being on the branch line of the Santa Fe Railway, running from Ash Fork, Arizona to Phoenix, Arizona. It lies on the bank of the Santa Maria River, Section 29, Township 13, North range 8 West Gila and Salt River Meridian, two miles from the Yuma County line.

The property is reached by a road from the White Spar Highway, a good road with the exception of the last six miles and this is passable and could be repaired at a nominal cost. This road is open the year round.

The extent of the mineralized zone in which the veins lie is approximately twenty-five miles in length and one mile in width, being traceable from Peeples Canyon on the south to the Bagdad Mine to the north. The general direction is from the southwest to the northeast. The producing mines have been the Gold Standard, Sultan and Crosby mines, the latter is producing at present.

HISTORY:

This district has lain dormant since the early nineties; evidently no attention has been given this lode apparently for several reasons: the death of the owner named Toomey and the crude method applied to ore reduction, the recovery of values having been carried on by means of the early day crude Arasta. Transportation from the mine to the Arasta which was three miles distant down the river was accomplished by burro. This Arastra reduction plant was also used as a custom mill for the adjoining properties. Every indication demonstrates that the high-grade ores were treated in this manner as the development shafts, surface cuts, small dumps, tunnels driven on the vein indicate that the high-grade ores were carefully assorted as a good grade of commercial ores are left in place, as shown by the assay sheets attached to this report.

On the continuation of this vein, and to the south, the Goodenuff property identical with the Weepah vein was another early day discovery supplying the greater part of the tonnage which was treated in the Arastra mill. It is evident that this mine contained high-grade veins, as stoping to a considerable extent has taken place.

The neglect to develop this lode is not surprising when taking into consideration the facilities which during the early nineties were more of a serious question than they are at the present, namely: the problem of fuel to operate the reduction plant, antiquated means of transportation, lack of modern milling, cyanidation in its infancy and the cost of mining upon which we will dwell later.

TOPOGRAPHY:

The property lies on the north and west bank of the Santa Maria River, on the southern extremity of the Aquarius Mountains which rise abruptly 500 feet above the river-bed. The erosion has cut sharp ravines

the tunnel. Failure to successfully recover the values are very plain after an inspection of the premises which definitely explains the reason why ores of a profitable grade remain in stopes and drifts in the tunnel. Evidence of the old method of milling especially cyanidation. Amalgamation on plates evidently bothered them by the presence of manganese in the ore which probably reduced the per cent leaching direct from the battery was another vital mistake therefore operations could not continue profitable. Records examined show that the tailings were re-treated a few years later and after cyanidation had materially been perfected. A tonnage of a good grade of tailings, some 10,000 tons were treated and a recovery of $8.00 per ton affected.

Operations at the tunnel were equally crude, hand drilling flat stopes indicated that the ore had to be dragged down by hand to the tunnel level from there by car to bin at the portal thence by rail around the hill 1000 feet presumably by mule power, all of which made the cost of mining and milling exhorbitant bringing about the end of operations.

POWER & WATER:

Electric power could be obtainable from the Arizona Power Company lines north of Yarnell Hill, a distance of 25 miles.

For exploratory work we suggest the installation of a Deisel Engine. Should the property develop into a productive stage the power factor could be more fully gone into and the needs of mining and milling operations could then be determined.

Sufficient water for domestic purposes, mining and milling is procurable from the Santa Maria River which flows yearly.

TIMBER:

Available at Flagstaff, Arizona.

RECOMMENDATIONS:

We recommend the sinking of the Weepah shaft No.1 to the 500 foot level, and the lateral development of the ledge every 100 feet to cut the ore-shoots that are exposed in surface development.

We suggest that the bottom of the winze in Weepah tunnel No.2 a lateral drift be driven to the south to determine the ore-shoot.

Respectfully submitted,

(Signed) W.O.Woodnury,E.M.

Jno.A.Quigley,E.M.

Mining Engineers.

Tufa
Tuff Tuft
Tuffa

to the south and east. To the north is a small river valley in which is located the Martinez Ranch.

GEOLOGY:

The veins are true fissure type in Precambrian Granite which was covered by a series of Rhyolitie Tuffas and Basalt. Later erosion has exposed these veins to the surface, leaving the Basalt and Tuffa flows as tablelands on the south side of the Santa Maria River. Rhyolite intrusion has taken place and forms a wall for the east vein. In places in the Granite, lenses of biotite Schist, properly termed Mica Gneiss, have the same general trend as the vein system. There are several gabbro dikes on the northeast end of the claims of post mineral age having an east and west trend that have not apparently cut the Weepah veins.

The fissures are generally well-defined, the vein filling being separated from the walls by clay gouge. The vein material is white quartz of soft texture, the center of the vein rarely shows vugs. As as development has permitted study the ~~xxxxx~~ veins are persistent and have maintained their width. From observations on the surface where the veins are traceable for over a distance of 4,000 feet along the strike, the vein changes its cross section by narrowing down in places then expanding again to greater width. At no place have we observed the ledge matter narrowing down under two feet in width. A fairly conservative width of four feet may be taken along the strike.

The general trend of the vein is north 300 degrees east, with a dip of 60 degrees to the southeast. At the Weepah No.1 shaft the dip of the vein 82 degrees northwest being locally influenced by the presence of a lens of Biotite Schist. A second system of cross fissures which trend approximately right angles to the main system is nowhere dominant. The gangue minerals are white quartz, limonite, magnetite, manganite. The metallic minerals are gold and silver the latter being of no appreciable consequence.

DEVELOPMENT:

The property consists of five claims having a total of 91.9 acres, summarized as follows: Weepah No.1 -11.9 acres, Weepah No.2-20 acres, Weepah No.3-20 acres, Weepah No.4- 20 acres, Weepah No.5-20 acres. Development on Weepah No.1 consists of 75 feet of shafts and 46 feet of drifting on the 41 foot level, three surface cuts of practically assessment work size exposing a vein of 5'0" and giving a result of $34.72 per ton gold Value. Ten samples taken from Weepah No.1 shaft and drifts gave an average of $22.96 per ton gold content.

WEEPAH NO.2

The development of this claim being on the continuation of Weepah No.1 vein consists of three open cuts of assessment dimensions,155 feet of tunnel driven on the vein and 60 feet of winze with 40 feet of drifting on the 31 foot level. Six samples taken from these workings gave an average of $15.15 per ton gold value.

Assessment holes have been sunk. On Weepah No.4 a shaft of approximately 100 ft. in depth has been sunk including some lateral work that was inaccessible.

ORE OCCURRENCE:

In discussing this subject which is the most important factor for the future possibilities of productive ore bearing bodies with development of depth,we have devoted time and careful conservative inspection of the continuous vein system from both surface and under-ground workings.

While the ore occurrence is not on an appreciable tonnage it does not necessarily detract from the value of the property taking into consideration the small amount of development work that has been performed and the manner in which it was done. Numerous other important factors evidently overlooked during the early day operations were observed by our careful examinations.

The most attractive feature is the true fissure vein well defined and strong. This vein is traceable from the Weepah No.2 on the north, thru Weepah No.1 with a continuation into the Goodenuff claim to the south. It is further exposed by a surface open cut south of the Santa Maria River, a distance of 4000 feet and of this 4000 feet of vein, 2400 feet of ledge matter is on the Weepah group of claims.

The examination of the surface was easily disposed of as no evidence of faulting or disturbance of any material nature occurred. Open cuts exposed well-defined fiddure veins measuring 4 feet in width out of which samples taken gave the grade of ore which will be noted on the map attached. Evidence of mining the high-grade ores during early day operations were noticeable and verified by the dump sample taken from the Weepah No.1 shaft; also there was no evidence of any mining since the time history specified indicated by conditions under-ground.

On examining the Weepah No.2 tunnel and Weepah No.1 shaft where most of the development has taken place, the high-grade ores were mined and shipped by burro to the Arastra Reduction Plant as mentioned down the river. Every indication proves early day operations.

The Weepah tunnel No.2, while only 50 feet from the surface, exposes a ledge of about 4 feet in width. Samples taken along the vein at intervals gave a good grade of commercial ore with shallow depth, increasing appreciably in value with only 50 feet lower. A winze from the tunnel level 60 feet deep gave an increase in values with more depth. This same condition exists in Weepah No.1 shaft which has attained a depth of 76 feet. Bottom samples increasing propotionately with depth as indicated on the map.

You will note the importance of our conservative attention to careful inspection of the under-ground development. This is an

important for future production. While it is true the property is practically undeveloped, consideration has to be given the outstanding features that present themselves distinctly which are reasonable and most favorable to develop a large tonnage of commercial ores. These features may be enumerated as follows:

Examination of the surface, the upper levels of only 75 feet in depth, the dirfts both north and south that have had no cross-cutting nor stoping, veins well-defined dipping 60 degrees to the south-east, the character of the gangue material, good walls, gold content being fine-grained, values increasing with depth and the size of the veins, all of which you will observe attached. This being accomplished our next important point of proving the persistence with depth was given attention.

In order to prove this we made a careful examination of the Goodenuff patented Claim. The Santa Maria River crosses the vein at practically right angles, having cut a gorge at least 500 feet below the Weepah No.1 Shaft. This claim adjoins the Weepah No.1 and furnishes a complete vertical section of the vein. This property has not operated since the year 1898. The development consists of three tunnels which are connected intertwined workings. A survey of the vein gave the strike identical with the Weepah and the geology, and character of vein material clearly demonstrate that it is the continuation of the Weepah. The lower tunnel was examined to acquire the greatest depth in ore to check the persistency, the strength of the veins at this level and the uniformity of the values. This level has been productive and is stepped up by higher workings, stoping has been done between levels. Samples taken out of the stopes and drifts are notated on the accompanying map which clearly indicate that persistency strong well defined veins carrying with them the value of a commercial grade of ores. Our findings in this tunnel is of vital importance to the future production of the Weepah Group with depth as it is reasonable to believe the Weepah vein will develop ores at least to the depth of this tunnel level.

METALLURGY :

The ore is not complex-of a soft mealy quartz-easily crushed-no sulphides-gold extremely fine-cyanidation could recover 95% of the gold values-silver no consequence-ore contains a small per cent of manganese which evidently was the interference for high place amalgamation recovery.

DISCUSSION:

A brief discussion of the discontinuing of operations: This is to guide correctly positive misrepresentations in this r espect. Fortunately the Goodenuff was open for examination to prove up the ore-shoots with depth. This has been briefly related in another paragraph. A brief outline of the discontinuing of operations. On this facilities were the main obstacle to discouraging further activity but at the present time this is not to be regarded. Fuel for power had to be freighted presumably from Congress Junction, a distance of 26 miles over a rough road at that time. The cost of same must have been at least $14.00 per cord plus the freight. This one item was ample to make the mine unprofitable not taking into consideration the crude methods employed in mining.

The owner of the property erected a 20 stamp plate amalgamation mill and a crude cyanide leaching plant to treat the ores from

FORM 684 3M 12-1-27 MS-20579

UNITED VERDE COPPER COMPANY

MINE—ASSAY OFFICE

JUN 6 - 1928

No. Weepah Group of Mining Claims.

JEROME, ARIZONA, _____, 19____

No.	DESCRIPTION	Cu. Per Cent	Ag. Ounces	Au. ~~Ounces~~ Value.	Insol. Per Cent	SiO2 Per Cent	Fe Per Cent	Al2O3 Per Cent	S. Per Cent	Zn. Per Cent	CaO Per Cent	MgO Per Cent	H2O Per Cent
43-	Weepah#1- Surface Cut. Width- 5' 0".			$ 34.71									
17-	Weepah#2- Tunnel- 10' South of Portal. Width- 5' 0".			35.14									
18-	Weepah#2- Tunnel- 40' South of Portal. Width- 6' 0".			3.30									
50-	Weepah#2- Tunnel- 5' South of Portal. Width- 4' 0".			22.32									
59-	Weepah#2- Tunnal- 20' South of Portal. Width- 2' 6".			7.44									
60-	Weepah#2- Tunnel- 45' South of Portal. Width- 2' 0".			1.65									
63-	Weepah#2- Winze- 25' from Collar South Side. Width- 2' 10#.			21.08									
68-	Goodenuff Claim- Upper Tunnel. Width- 2' 0".			3.72									
69-	Goodenuff Middle Tunnel & Stopex Pillar. Width- 3' 10".			4.54									
70-	Goodenuff Middle Tunnel & Stopes Northwest Corner-Width-1' 6".			44.23									
71-	Goodenuff Middle Tunnel & Stopes Northeast Corner over Drift. Width- 5' 6".			2.06									
72-	Goodenuff Middle Tunnel & Stopes. Southeast Wall. Width- 1' 6".			2.89									
73-	Goodenuff Middle Tunnel Grab from sacked ore.			155.85									

COPPER BY _____

GOLD AND SILVER BY _____

ANALYSES BY _____

_____ BY _____

Paul L. Allsman

Chief Chemist

FM 684 3M 12-1-27 MS-20579

orig + 3 carbon

UNITED VERDE COPPER COMPNY

MINE—ASSAY OFFICE

(1)

JUN 6 - 1988

Weepah Group of Mining Claims.
Yavapai Co. Arizona

JEROME, ARIZONA, _____, 19__

No.	DESCRIPTION	Cu. Per Cent	Ag. Ounces	Au.	Insol. Per Cent	SiO2 Per Cent	F Per Cent	Al2O3 Per Cent	S. Per Cent	Zn. Per Cent	CaO Per Cent	MgO Per Cent
44-	Weepah-#1 shaft- 41' Level- 35'North of Shaft. Width- 5' 3".			$ 34.51								
45-	Weepah#1- Shaft- 41' Level- 20' North of Shaft. Width- 4' 0".			1.44								
46-	Weepah#1- Shaft- 41' Level- 10' North of shaft. Width- 3' 7".			16.94								
47-	Weepah#1- Shaft- 41' Level- 11' South of Shaft. Width- 3' 6".			59.52								
48-	Weepah#1- Shaft- 41' Level- 4' South of Shaft. Width- 3' 6".			36.79								
49-	Weepah#1- Shaft- 23' from Collar North Side. Width- 4' 0".			33.07								
64-	Weepah#1- Shaft- 41' Level- 15' North Shaft. Width- 4' 0".			4.12								
65-	Weepah#1- Shaft- 76' from Collar South Side. Width- 4' 6".			17.36								
66-	Weepah#1- Shaft- 76' from Collar North Side. Width- 4' 4".			19.01								
67-	Weepah#1- Shaft- 57' from Collar South Side. Width- 3' 5".			6.82								
19-	Weepah#1- Claim- Surface Cut 10' North of Shaft. Width- 2' 10".			73.17								
20-	Weepah#1- Shaft Dump Grab Sample.			46.71								

COPPER BY _____

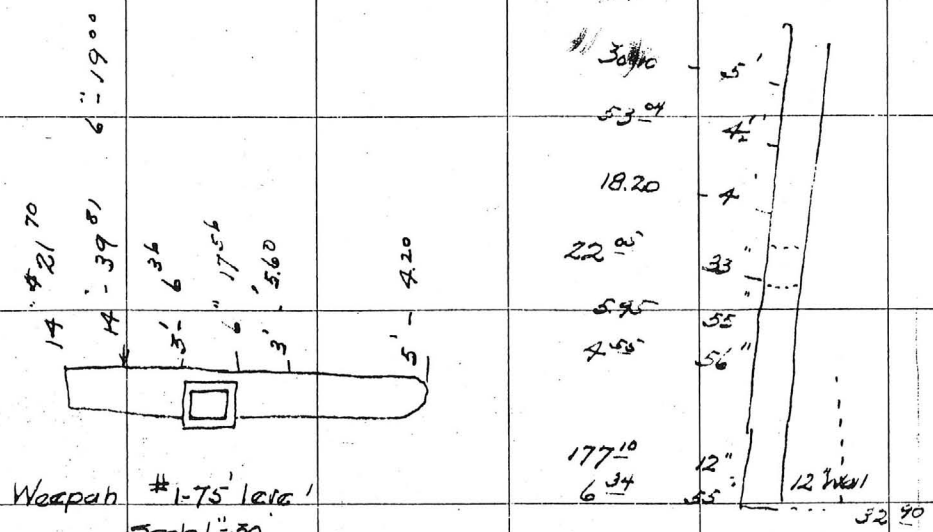
GOLD AND SILVER BY _____

ANALYSES BY _____

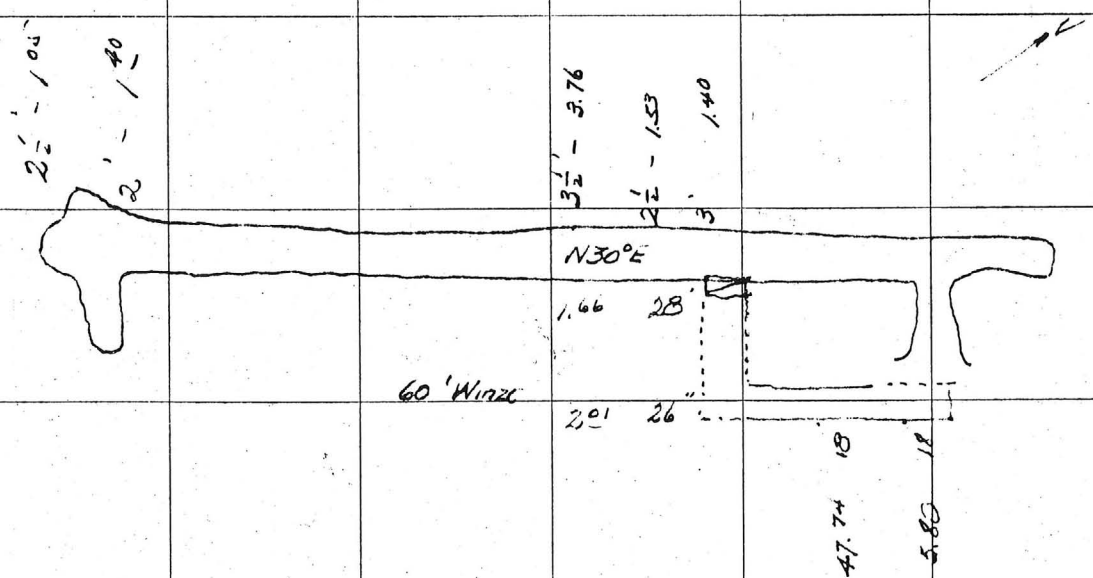
_____ BY _____

Paul V. Allsman
Chief Chemist

WEEPAH CLAIMS - Santa Maria River



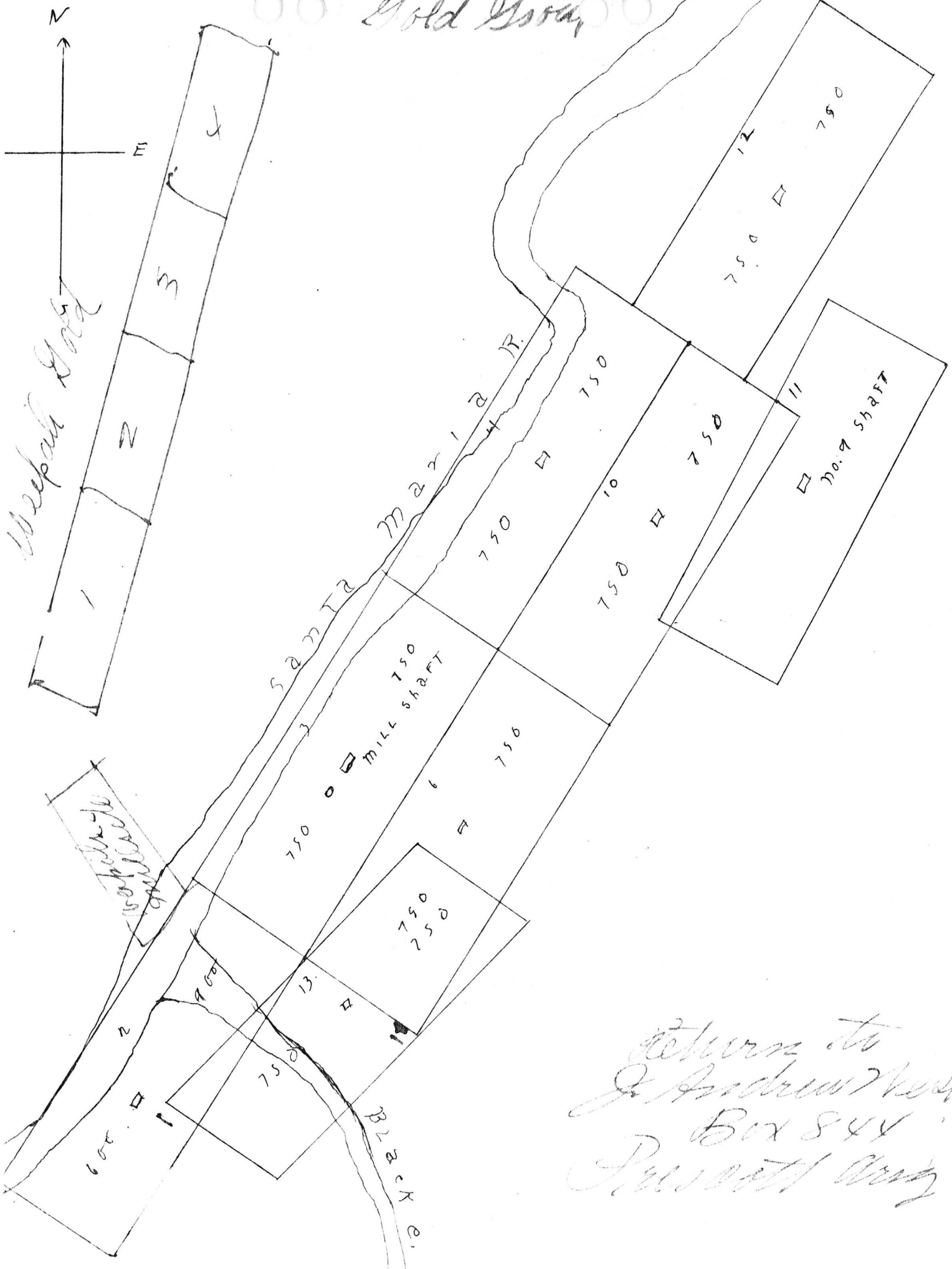
Weepah #1-75' level
Scale 1" = 30'



Weepah Gold #2 TUNNEL & WINZE

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

Horse Stable
Gold Group


N
E
Weepah Gold
1
2
3
4
Santa Maria R.
750
750
750