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XXXXXXXXXXXX

2940 N. Casa Tomas  
Phoenix, AZ 85016

September 5, 1975

Mr. John R. Elliott  
Suite 1700  
3550 North Central Avenue  
Phoenix, Arizona 85012

CONFIDENTIAL

RE: Manzanita Mining Claims  
& Silver Dollar Mining Claims

Dear Mr. Elliott:

In addition to my examination and reporting on the physical aspect and being of the Manzanita mining claims, other items of interest were discussed during our noontime conversation on August 21.

ITEM I: On August 22nd, I visited the offices of American Smelting and Refining Co. in Tucson to check on the validity of the El Paso Smelter settlement sheet you gave me. There is correspondence in their files with an Andy Klein, in November-December, 1974, discussing a trial shipment. The correspondence talks of the Hope Mine-Crown King area; however, La Esperanza is the spanish word for "The Hope."

Having observed the mineralization in the Adit from whence the ore for the concentrate came - it is difficult for me to reconcile this possibility because of the assay results of my sample #1315 which was taken in the face of the Adit driven by Welch.

ITEM II: In short, the Manzanita claims are a prospect and would require surface geological mapping, much surface sampling of the gold-silver, the tungsten and the uranium structures presently indicated on the surface. Exploration of these showings are also required, however, my initial opinion would be that a good potential of the three types of mineralization exists. Additional work, of course, could confirm this or cause it to be a "dud."

As to the Silver Dollar property - the structure being prepared for mining (an operation) by the Ironwood Manor people is strong, carries mineralization, but it also requires similar pre-requisite mapping, sampling and exploration. Management-wise, Ironwood Manor appears to be having "internal" complications - as well as not employing the proper professional people to guide them in their endeavors.

A potential does exist here and could be developed.

ITEM III: Observance of Welch's mill could only be done from a distance. It was possible, but I doubt it very much, that the ore mined from the

Mr. John R. Elliott  
September 5, 1975 -2

Adit was milled and concentrated at Welch's mill. At best, the mill and equipment is probably not much larger than laboratory size, consequently, no great production could be expected.

ITEM IV: The area of a potential open pit gold operation was pointed out to me by the Russell boys and Manuel, employee of Ironwood Manor, and former employee of Welch. Was advised that 15 samples taken in the area average four ounces gold per ton. Part of the area was inspected and geologically I could not justify - or believe - that average figure.

A very detailed surface sampling program would have to be completed to confirm or disprove that value and volume. I was not shown any factual data to support the four ounce average figure, therefore I am skeptic of the information and value of same.

Respectfully submitted,

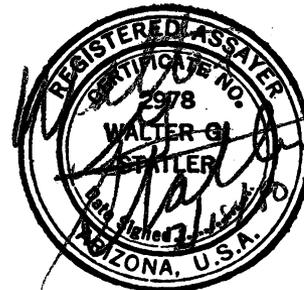
---

R. E. Mieritz  
Mining Consultant

REM/cm

# IRON KING ASSAY OFFICE ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410  
HUMBOLDT, ARIZONA 86329



ASSAY  
MADE  
FOR

RICHARD E. MIERITZ  
2940 N. Casa Tomas  
Phoenix, Ariz 85016

Feb. 18, 1980

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag	% Fe	% Pb	% Zn	% Cu
<del>01-9-18</del>	#1599	<del>784</del>	<del>1.86</del>				
<del>19</del>	<del>#1599</del> #1600	<del>012</del>	<del>0.09</del>				

CHARGES 14.50

ASSAYER \_\_\_\_\_

A  
GEOLOGICAL EVALUATION

and

EXPLORATION

REPORT

on the

MANZANITA CLAIMS

in

Yavapai County, Arizona

by

Richard E. Mieritz  
Mining Consultant  
Phoenix, Arizona

September 5, 1975

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INCLUDED EXHIBITS:

- Map No. 1 - Index Map Central Arizona
- Map No. 2 - Claim Map
- Map No. 3 - Structure and Sample Map

## INTRODUCTION:

At the request of and authorization by Mr. John R. Elliott, Phoenix, Arizona, the writer visited the Manzanita lode mining claims on August 25, 1975, and was accompanied by Messrs. Frank and Clifford Russell, part owners of the claims, which are located in Sec. 12, T. 9 N., R. 2 W., G. & S. R. B. & M., Yavapai County, Arizona.

This report is based on the knowledge gained as a result of the field trip, on a previous field trip to the property in June 1973, on the writer's general geologic knowledge of the area in general and on some factual data provided the writer.

## PROPERTY, LOCATION and ACCESSIBILITY:

The Manzanita lode mining claims are numbered Manzanita Nos. 1 through 30 and cover almost the entire Section 12 of T. 9 N., R. 2 W. in Yavapai County, Arizona (See Map No. 2). The area is unsurveyed and the Prescott National Forest boundary is about 400 feet east of the eastern boundary of the claims. Mr. Frank Russell, Yarnell, Arizona, and Mr. Clifford Russell, Phoenix, Arizona, are part owners of the claims.

Access to the property is possible with passenger car vehicles, however, travel on the property should only be accomplished by 4 wheel drive units because of the steep bulldozer trails within the property.

Entrance to the general area from a main highway is a County road leading south from Kirkland Junction on U. S. Highway 89 about midway between the towns of Yarnell and Prescott in Peoples Valley. Yarnell is reached from Phoenix through the town of Wickenburg, also on U. S. Highway 89 and 60.

From Kirkland Junction, travel is south (mostly on gravel road) to Wagoner, an abandoned town, and then south and east past the Hozont Ranch to a 3 way fork or junction. The road fork to the left or northeast goes to Crown King, the road fork to the right or south leads to Castle Hot Springs and the middle road fork to the east leads to the property which is 1.7 road miles east from this junction or road fork and enters the property at the north boundary on Manzanita claim #5 or 6. (See Maps No. 2 and 3.)

## HISTORY, DEVELOPMENT and PRODUCTION:

Many years ago, the Wagoner area was quite active, particularly in the gold placer field. A few underground gold mines such as the Little Joker, Camp Bird, Silver Dollar, Button Mine, Boaz Mine and the Pacific Mine, were also active.

The present price of gold has stimulated some interest in the area.

A Mr. Harry Welch, Crescent Mills, California, has a lease on the

Manzanita claims, however, it appears he is in default, consequently, the property may soon be turned to the owners.

Development of the property - mostly the northwest quarter of the section, has, for the most part, been limited to exposure of geologic structures by bulldozer, although, there is one antique Adit on Manzanita claim #22 or 23. Basically, the property is a prospect and requires exploration and development.

#### GENERAL GEOLOGY:

The primary host rock in the general area is Precambrian granite (of the Bradshaw complex) along with minor tongues or islands of Yavapai schist. An occasional andesite dike is also visible, as is some pegmatic rock, mostly as dikes. Some of the lower elevated hills are Quaternary basalt capped.

Strong fractures in the granite trend N. 30-40° E., paralleling to some extent the regional strike of the Yavapai schist. The pegmatite dikes appear to trend N. 30° E. and N. 70° E. A third set of fractures trend almost east-west. Each set of structures appears to have its characteristic type of mineralization.

#### MINERALIZATION:

Other than the pegmatite dikes, the N. 30-40° E. and east-west structures are large fractures in the granite which were receptive to gold-silver-copper-lead mineralization in the N. 30-40° E. structures and uranium mineralization (pitchblende) in the east-west structures.

The precious-base metal structures dip about 80° N.W., while the east-west structures tend to be vertical.

The two pegmatite dikes, one N. 30° E., the other N. 70° E., dip steeply to the NW. and N. respectively. Tungsten mineralization in these very strong dikes is the interest. The presence of much quartz in these dikes provides resistance to erosion, thus their prominence can be seen surface-wise for about 2,000 feet and 500 feet respectively.

All structures mentioned above, except the uranium structure, have been prospected by surface trenches or cuts, but only to the point of exposing the mineralization at various points along the strike length.

Refer to Map No. 3 for the approximate location of the mentioned structures.

#### SAMPLING:

The writer took four samples of the mineralization at locations on the structures merely to indicate the presence of mineralization. Two samples were taken of the stronger pegmatite structure and one each of

SAMPLE SCHEDULE

<u>Sample Number</u>	<u>Description</u>	<u>Au Oz/Ton</u>	<u>Ag Oz/Ton</u>	<u>Lead %</u>	<u>Copper %</u>	<u>Tungsten %(WO<sub>3</sub>)</u>
1314	Across 2½ feet pegmatite dike in blasted area of outcrop. Striking N. 30° E., dip 80° N.W. Much white quartz, white feldspar, some scheelite (green). Dike about 8 feet wide at this point, in granite.	0.008	0.51			0.16
1315	Across 3 feet of dike about 10 feet along strike N.E. of sample 1314. Structure strikes N. 40° E., vertical and about 5 feet wide at this point. Shows little tungsten.	Tr.	0.34			
1316	Across 2 feet of fault structure in face of Adit driven by Harry Welch. Strikes N. 30° E., dip 75° N.W. Granite both walls, heavy quartz, FeOx (limonites), also some copper minerals (oxides) and galena (lead sulphide) as blebs.	0.660	1.70	0.06	0.15	
1317	Across 1½ feet in back of old Adit, 20 feet in from portal. Strikes N. 40° E., 80° N.W., about 2 feet wide. Much quartz and moderate FeOx (limonite).	0.052	0.81			

two gold-silver, base metal structures. See Map No. 3 for sample locations.

Descriptions and assay results of the four samples taken are shown in the included Schedule.

Sample #1314 does show the presence of tungsten. Visually, there is more tungsten present in the structure than the assay indicates, but the writer was taking just one sample from the 2,000 foot long structure and it would do no good to take a sample to get a high tungsten assay result. Much sampling must be done on the structure. The mineral scheelite is most frequently confused with quartz, as the two minerals look very much alike, weight being the distinguishing characteristic.

Sample #1315 is a sample of quartz taken from the same structure to determine whether the quartz alone might be a carrier of gold and silver. Assay results of the sample, compared to those of sample #1314, indicate the quartz is not a carrier in itself - but the entire structure is, in very minor amounts.

Sample #1316 shows moderate gold-silver mineralization in the structure (Welch Adit) and might well be the "extension" of the Silver Dollar structure currently being prepared for a mining operation. Both exposures were examined and both have similar structural, geologic and mineralogical characteristics. Surface geological mapping and sampling along the strike is required along with some surface trenching.

Sample #1317, from an old Adit working, is a structure parallel to the "Welch Adit" structure. As can be seen from the results, the gold-silver values are negligible.

#### RECOMMENDATIONS:

The Manzanita group of claims are a prospect which at this time exhibit sufficient evidence to justify and warrant exploration consideration which could prove potentials of gold-silver mineralization, tungsten mineralization and possibly uranium mineralization (suspected extending structures into the Manzanita claims from those exposed on the Silver Dollar claims).

A suggested systematic exploration-development program should include and in order of priority:

- (1) Surface and underground detailed geological mapping.
- (2) Surface trenching across the strike of the various structures for geologic and sampling purposes.
- (3) Detailed surface and underground sampling including the "possible open pit gold area" pointed out by the Russell boys.
- (4) Surface drilling and underground development where targets are indicated by points (1) through (3).

Commencement of any operation prior to the completion of the above four

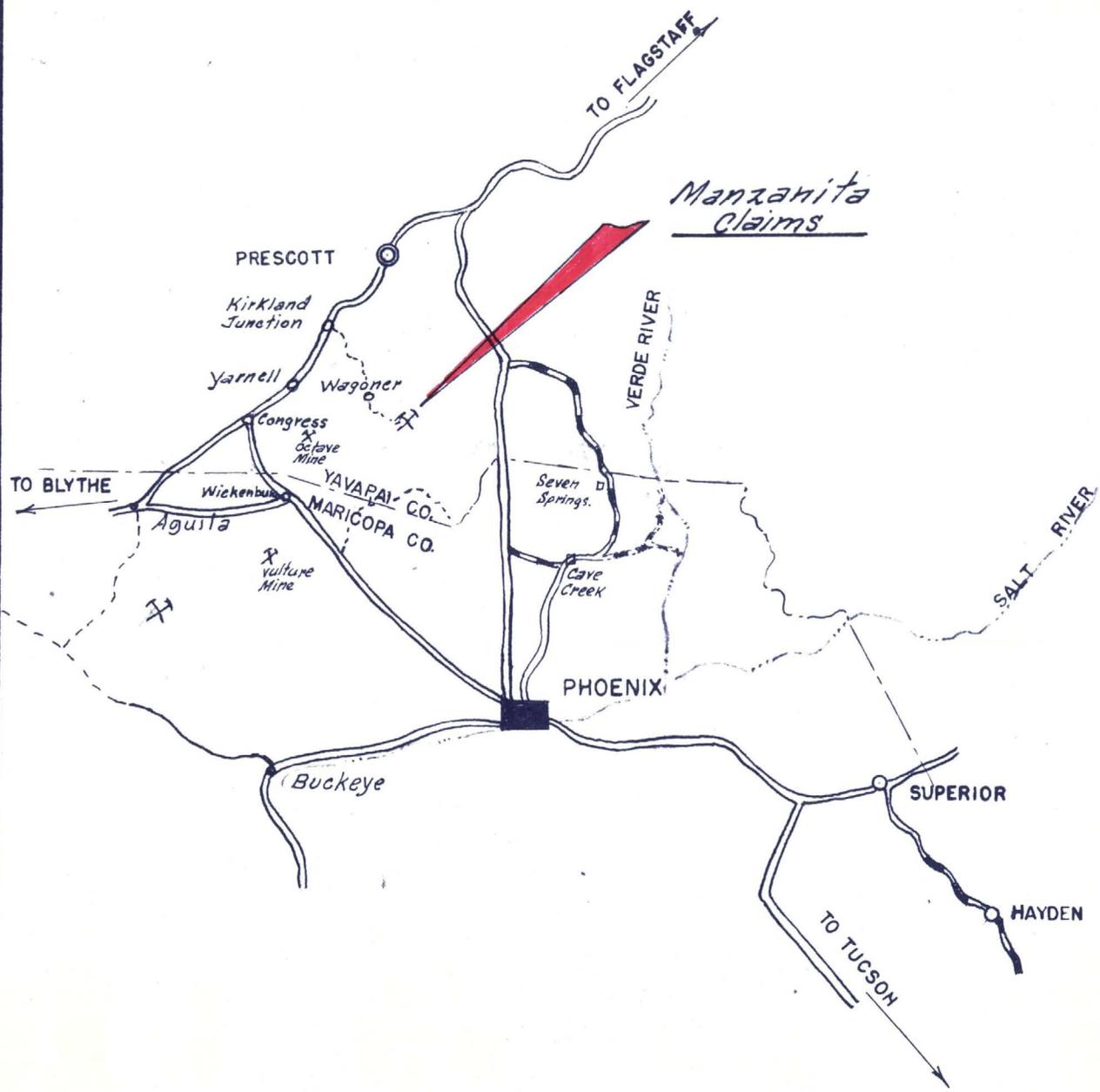
programs would not be a sound financial consideration.

Respectfully submitted,

---

R. E. Mieritz  
Mining Consultant  
Phoenix, Arizona

September 5, 1975

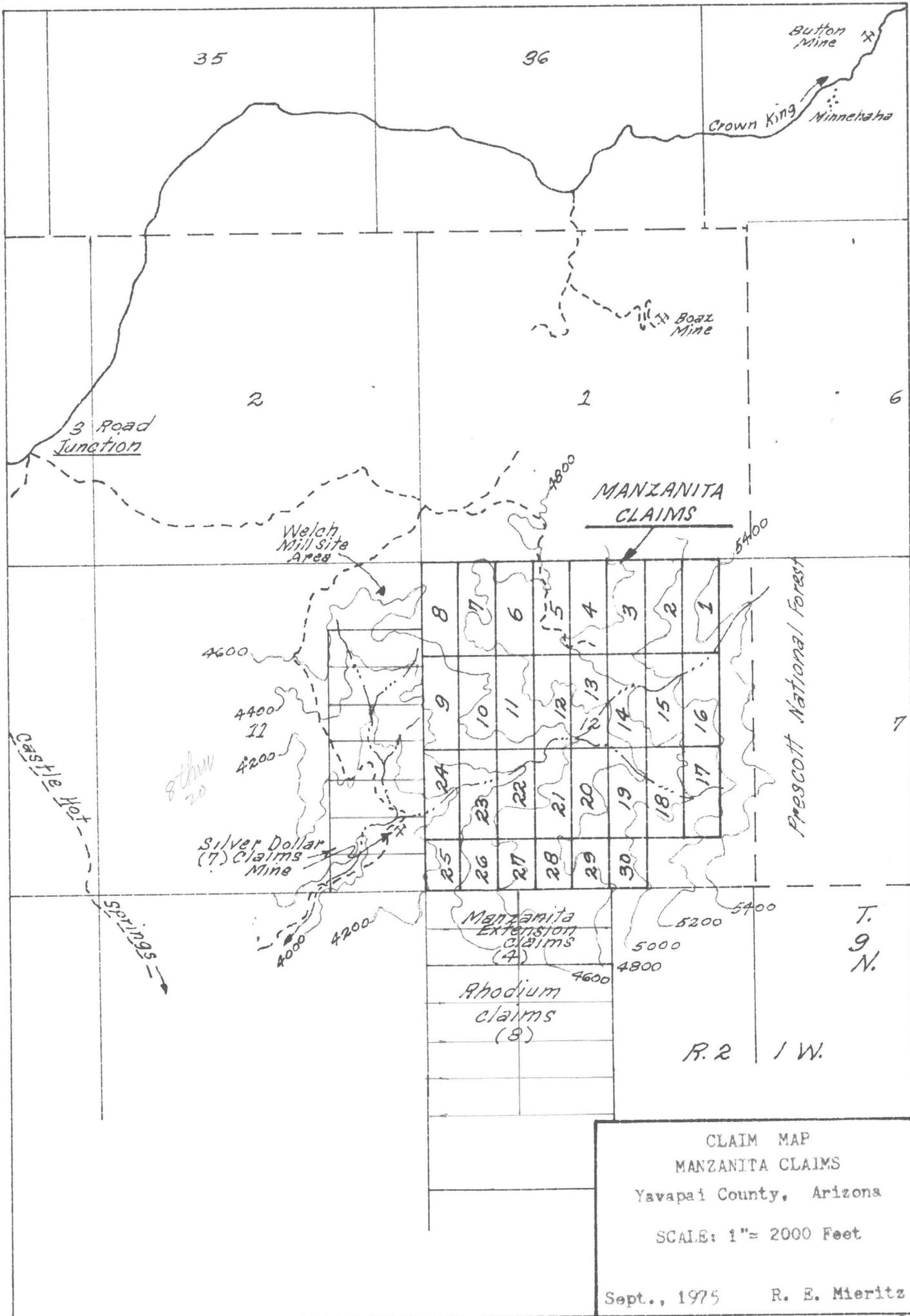


Manzanita Claims



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R.E.M.*

**INDEX MAP  
CENTRAL ARIZ.**  
SCALE: 1" = 27 MI.  
R.E. MIERITZ, P.E. MAR., 1962  
MAP No. 1



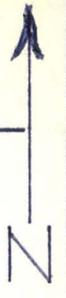
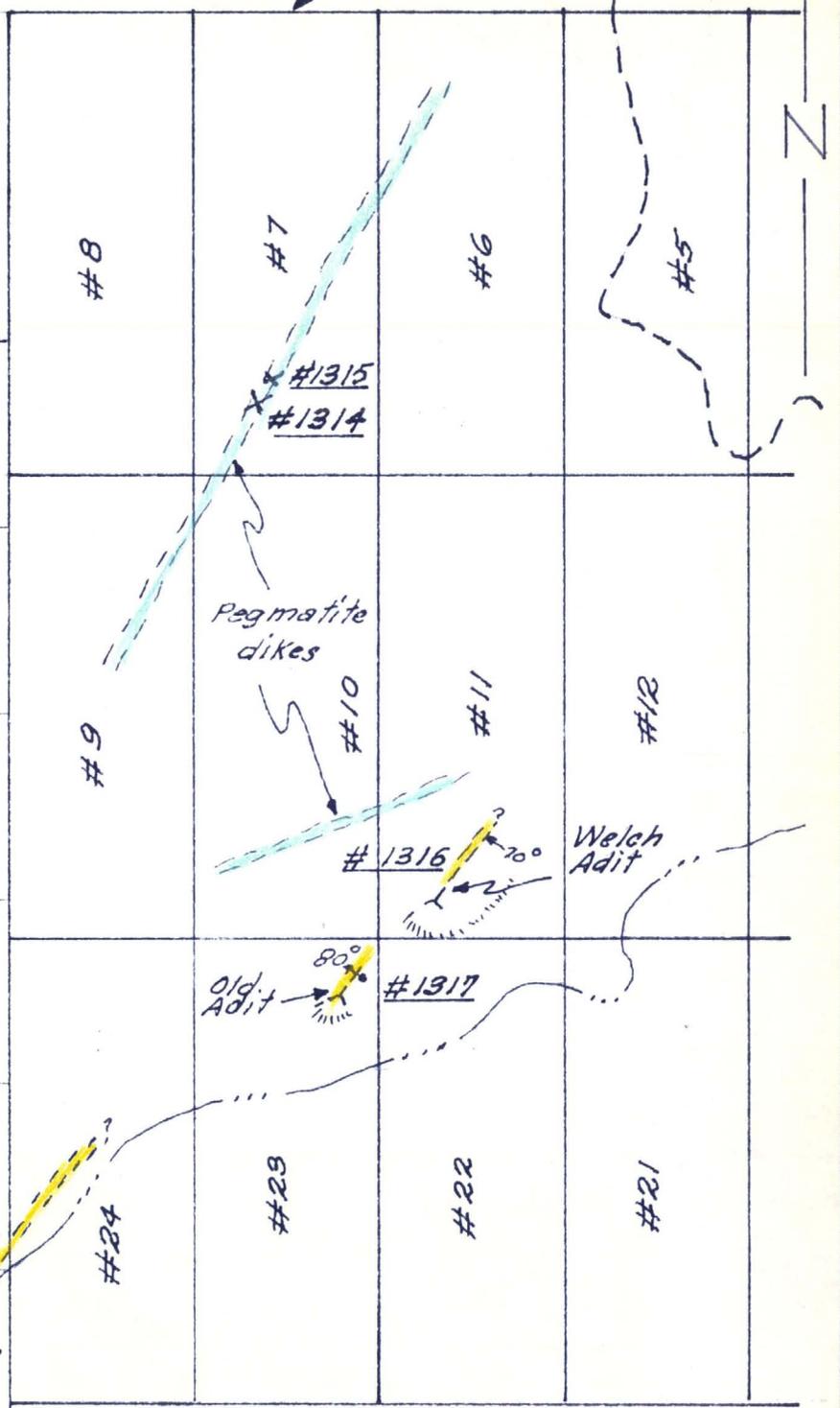
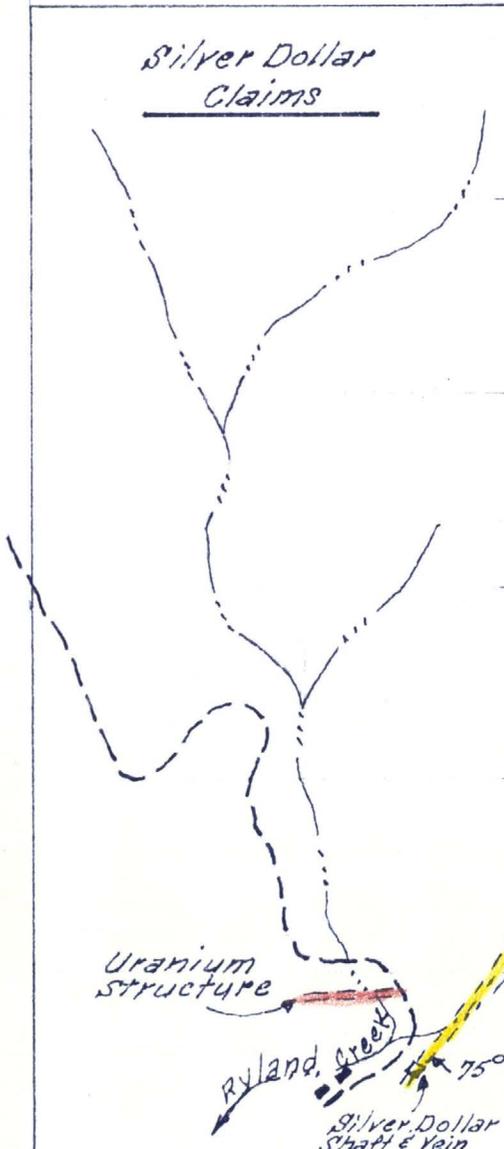
CLAIM MAP  
 MANZANITA CLAIMS  
 Yavapai County, Arizona  
 SCALE: 1" = 2000 Feet  
 Sept., 1975 R. E. Mieritz

MAP No 2

Manzanita Claims

Welch Mill Site Area

Silver Dollar Claims



NOTE

Position of geologic structures is very approximate as no surveying of any kind was completed. Map basically a sketch.

STRUCTURE & SAMPLE MAP  
 MANZANITA CLAIMS  
 Yavapai County, Arizona  
 SCALE: 1" = 600 Feet

Sept., 1975 R. E. Mieritz

MAP No 3

Sibon Dallen adv to  
Manzanetta - Russell

---

Brig - rd A 10, adv to  
Indian (Woodrow  
Carpenter)

---

John - Intert -  
Russell - (Tates gives  
inter to John.)

---

5 vms →

1000# conc. =

Brig has mine adv to  
Manzanetta claims.

John Elliot  
8/21/75

---

Russell Frank  
yarnall - Clifford

---

Maryann - 39 claims  
has a sublease  
drawn up

---

Pronator <sup>Co.</sup> Welch  
3 plots small with  
(Daniel Ruiz) - has  
Conced lease  
sublease from Pronator

Determine —

- 1 - whether Sault came from prop.
- 2 - surface patent of May, '88 S.D.
3. Duly will all what to there
- 4 - to John can get fellows off.
- 5 - if of extreme value - advise John verbally.

Cliff Russell  
in Phys.

2940 N. Casa Tomas

April 29, 1976

Mr. John R. Elliott  
Suite 1700  
3550 North Central Ave.  
Phoenix, Arizona.

Dear John:

Persuant to our conversation of April 28th, let me say that my suggested systematic exploration-development program outlined in my September 5, 1975 Geological Evaluation Report on the Manzanita claims has not changed.

The suggested program, in order of priority was; and still is:

- (1) Surface and underground detailed geological mapping.
- (2) Surface trenching across the strike of the various structures for geologic and sampling purposes.
- (3) Detailed surface and underground sampling including the "possible open pit gold area" pointed out by the Russell boys.
- (4) Surface and underground development where targets are indicated by points (1) and (2). Surface-wise would be diamond drilling.

To complete the above program in minimum fashion (were the initial results poor - not encouraging) then a certain financial requirement is needed. On the other hand, if the initial results were encouraging, then a greater financial requirement is needed. For your information, the following provides the min/max (maximum to a certain stage) estimate of possible costs for the exploration as planned. The following numbered items refer to the same categories as listed for the suggested exploration program above.

	<u>Min.</u>	<u>Max.</u>
(1) Mapping, Consultant, expenses, etc.	\$ 4,000.-	\$ 4,000.-
(2) Dozer, sampling, Supervision (Prof)	\$ 6,000.-	\$ 12,000.-
(3) Additional sampling, Supervision (Professional), expenses, etc.	\$ 0.-	\$ 4,000.-
(4)(a) Diamond drilling, initially 3000 feet @ \$19.-/ft. including sampling, assaying, Supervision (Prof), travel expenses, etc.	\$ 57,000.-	
(b) as (a) but a total of 6000 feet of drilling		\$114,000.-
(c) underground development, 800 ft. @ \$50.-/ft.		\$ 40,000.-
<b>TOTALS</b>	<hr/> \$ 67,000.-	<hr/> \$174,000.-

Page 2

Time-wise, the exploration program could consume from six to nine months. Availability of equipment, climatic conditions, etc. can easily effect a time schedule. Moreover, the various phases of the program overlap one another, thus two, maybe three of the phases may be proceeding at the same time. The following schedule may give you an insight into the amount of time required.

- |   |                                |
|---|--------------------------------|
| (1) Geological mapping, etc.                    | about 1 month.                 |
| (2) Dozer, about 1 month but<br>in two periods. | 1 month.                       |
| (3) Additional sampling                         | about 2 weeks                  |
| (4)(a) diamond drilling,                        | about 2½ months                |
| (b) additional drilling,                        | about 3 months (deeper holes?) |
| (c) underground development                     | about 6 months (one shift)     |

The total time would not be an addition of the the time periods as shown because of the overlap situation. All this is governed by the results as the program progresses.

As mentioned in our conversation also, I have included the cost of my services and expenses as an "overseer" on the project on the basis of two days per week---being a neutral "party" - merely suggesting procedures-thoughts, etc.

I believe the forgoing covers what you require for the preparation of your document with the "Virginians".

Respectfully submitted,

---

R. E. Mieritz,  
Mining Consultant

1318  
1319  
1320

Sample Description

1/4" Sample Schedule

Oz/Ton Lead Lead Copper Tungsten  
Oz/Ton Oz/Ton Oz/Ton

Sample Number Description Au Ag Pd Cppn Tmpn  
Oz/Ton Oz/Ton % % % % (Wt%)

1314 across 2 1/2 feet pyrometite dike  
striking in blasted area of outcrop.  
striking N 30° E, dip 80° W. Much  
white quartz, white silicates, some  
schistite (gray). Dike about 8 feet  
wide at this point, irregularly  
0.008 0.51 0.16

1315 across 3 feet of dike about 10 feet  
along strike N 40° E, dip 75° W. Structure  
strikes N 40° E, vertical and about 5 feet  
wide at this point. Shows little copper.  
Tr. 0.34  
across 2 feet of fault structure in  
face of Adit cut by sharp ditch.

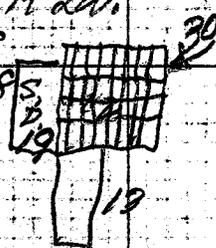
1316 strikes N. 30° E, dip 75° W. Shows both  
white, heavy quartz, FeOx (limonite) also  
some yellowish brownish (pyrite) and galena  
(lead antimonide) as specks.  
0.660 1.70 0.06 0.15

1317 across 1 1/2 feet in back of old Adit, 20 feet in from  
portal. Strikes N 40° E, dip 75° W, about 2 feet wide. Much  
quartz and moderate FeOx (limonite).  
0.052 0.81

Minonokaha Topog. - Sec 12 - Mangonite - 30 - T9N - R2W.

20' Pb-Ag-Pu - (NE/4)  
 W<sub>2</sub> (Shuttle)  
 U<sub>2</sub>O<sub>8</sub> (Pit/Alum.)

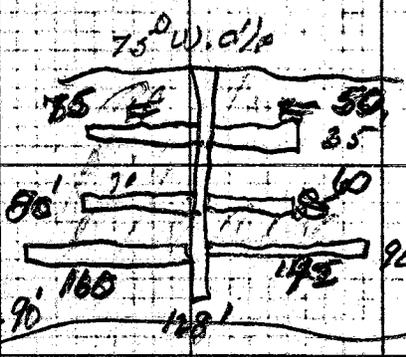
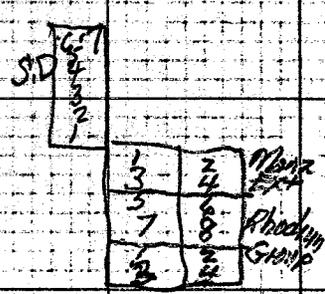
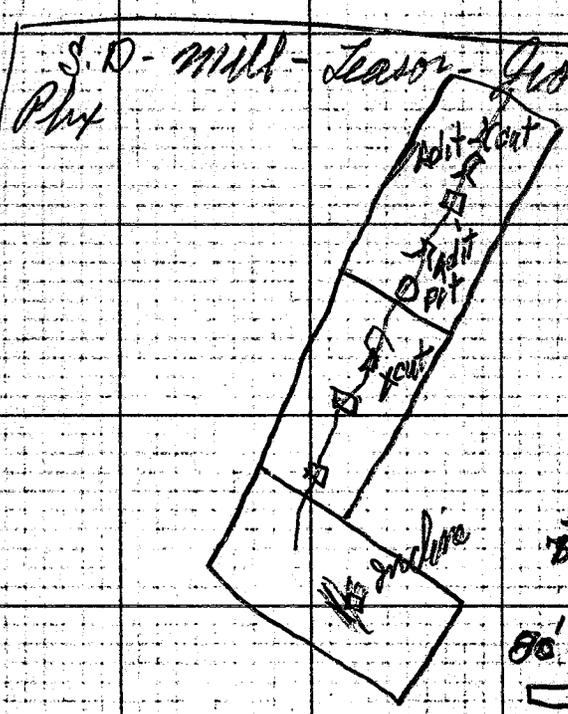
Cliff Powell (9448568)  
 Frank Powell (10234) 11



Welch - 21 oz. in Adit. -  
 Mill -  
 Max. Range

S.D. - mill - Jason Greenwood Mine

8	7	6	5	4	3	2	1	MANZ.
9								14
24								17
25								30 No.



Mangonite  
 2' long - gty. guaranteed N30E 2000' long - surface - wire #7  
 and W<sub>2</sub> N 70° E - Gr-F<sup>d</sup>H. - 500' length - surface - wire - cut exposing  
 mineralization #10

500' E of W<sub>2</sub> above in all workings - N30-35E vert go walls  
 mdd Fe<sub>2</sub>O<sub>3</sub> - Qtz.

Gold Vein - N40E 80° W - 1/2 - 2' wide Fault Fracture - Manhel - 9-12 oz Au.  
 in Face Adit (old) 25-30' long below Adit by Welch - not same vein.  
 #22 width 25' - N40 E



Hope Mine - Andy Kline - Russia  
Ventura mine - Esperanza (Santa Cruz Co.)



Narraniza Samples

#1314 Au .008 Ag .51 Cu Pb Wcs  
 116<sup>x</sup> - 6.00

1315 Zn x .34 x

1316 .460 x 1.70 x .15 x 1.06 x

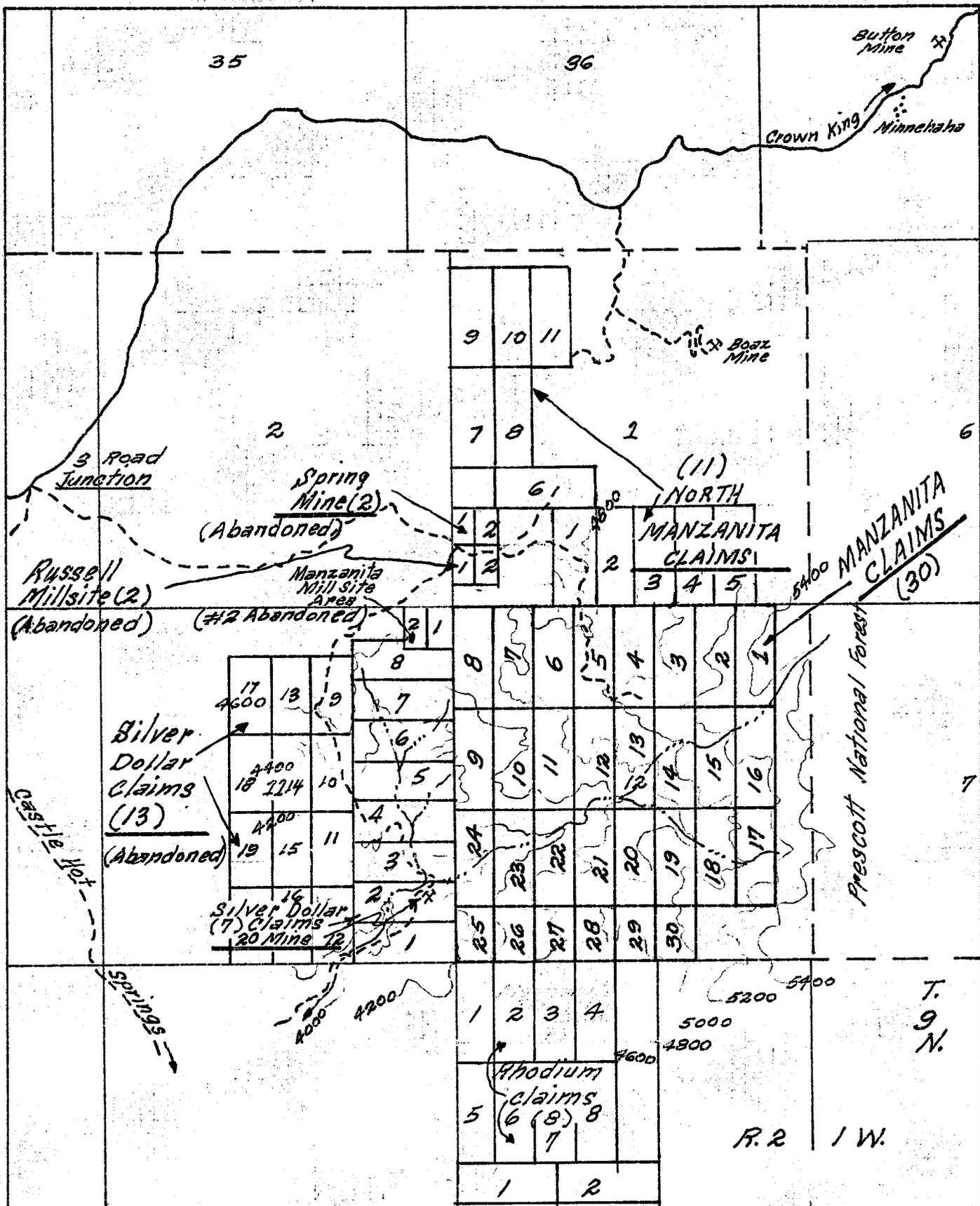
1317 .052 x 1.81 x

2.00

2.00

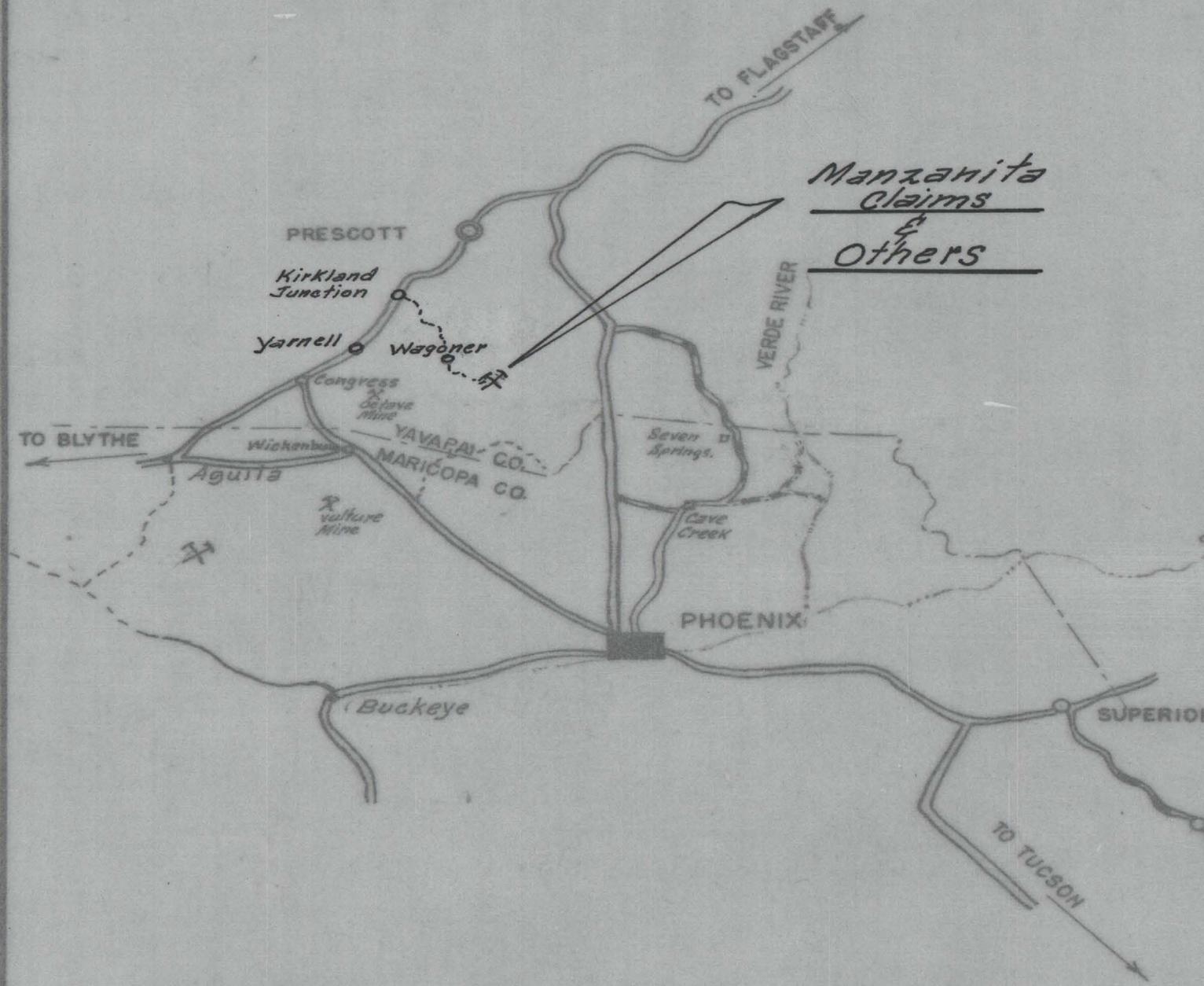
17.00  
 10.00  
 -----  
 \$ 27.00

AL



**CLAIM MAP**  
**MANZANITA CLAIMS**  
 Yavapai County, Arizona  
 SCALE: 1" = 2000 Feet  
 Sept., 1975      R. E. Mieritz

MAP No.



Manzanita  
Claims  
&  
Others



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R.E.M.

IND  
CEN  
SCA  
R.E. MIERITZ, P

