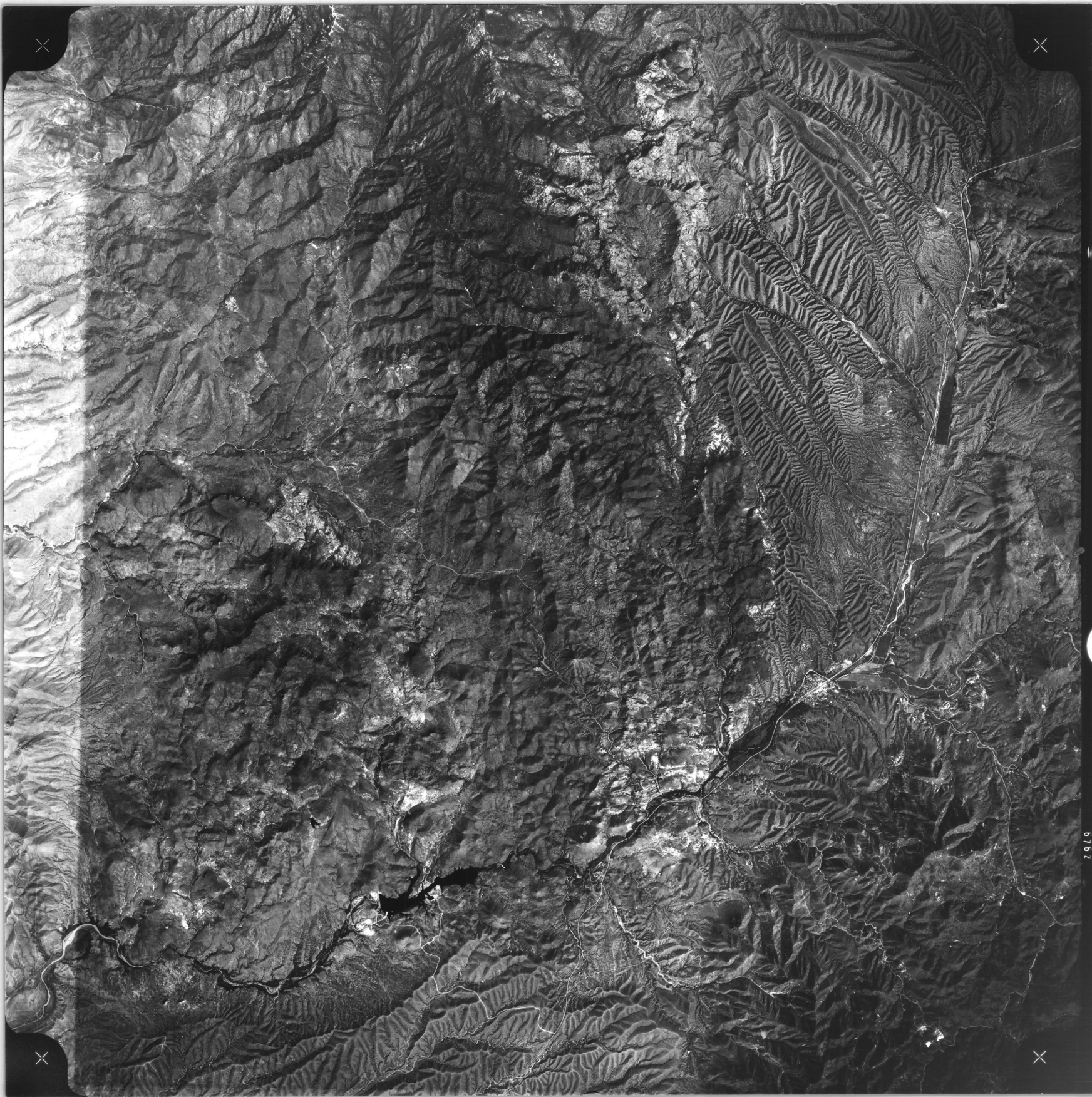
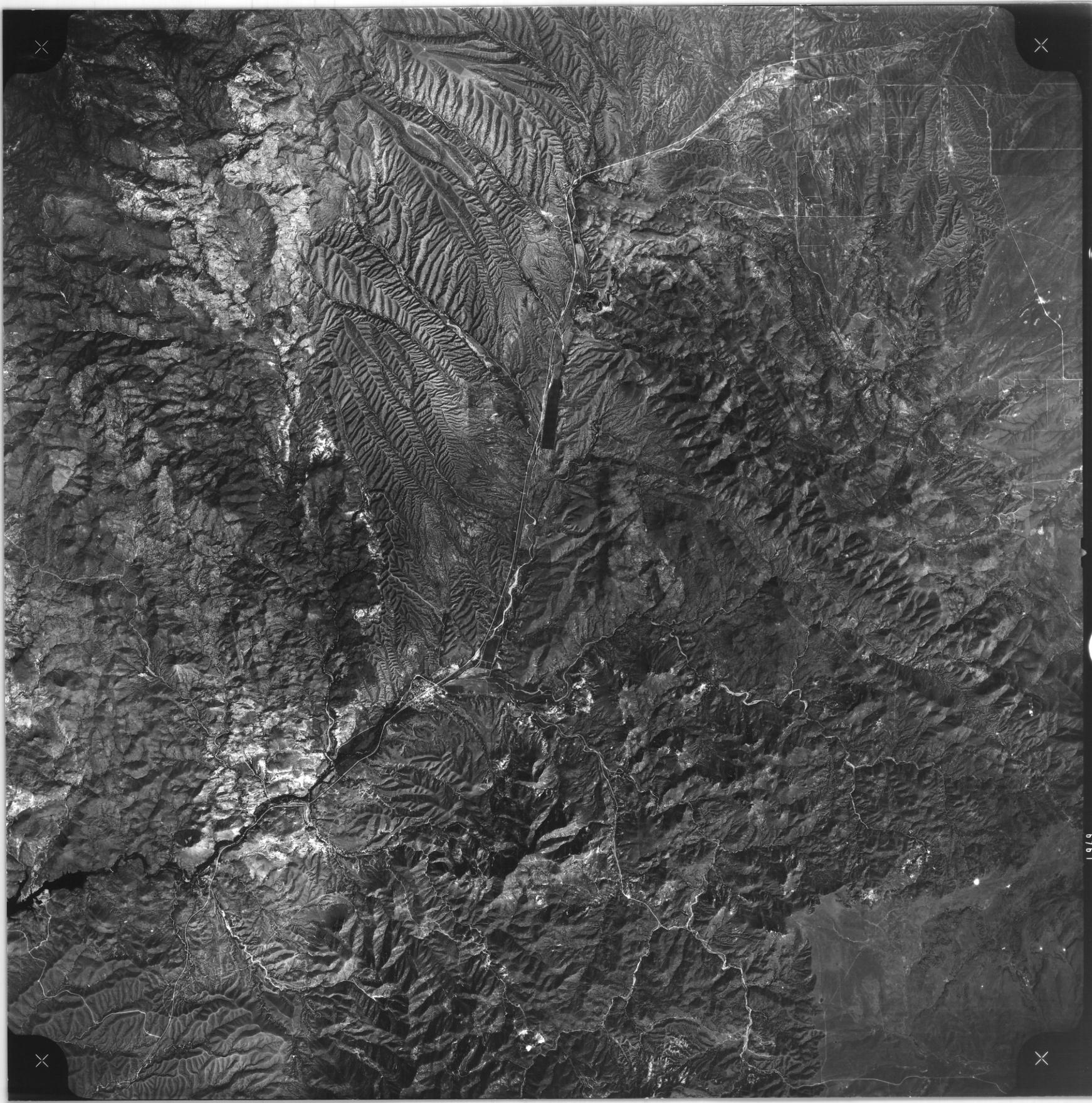




SANTA CRUZ COUNTY (Arizona)
Lenon's Map showing Principal Mines and Prospects & all Patented Claims
Scale 1" = 1 mi. (1950)
Pub. by Robt. Lenon.

PLATORO CORPORATION
SUITE 1
4344 E. INDIAN SCHOOL RD.
PHOENIX, ARIZONA

LENON'S MAP
OF
SANTA CRUZ COUNTY
ARIZONA

SHOWING
PRINCIPAL MINES AND PROSPECTS
AND
ALL PATENTED MINING CLAIMS

Compiled and Sold by

Robt. Lenon, Registered Mining Engineer Patagonia, Arizona

MILES 1 0 1 2 3 4 5
FEET 5000 0 5 10 15 20 25 30 35000

1950

LEGEND

- Trail
- Unimproved Road
- Blazed Road
- Graded Road
- Paved Road
- Township Line
- Section Line
- National Forest Boundary
- 4.7 Highway Mileages
- Live Stream
- Intermittent Stream
- Mine or Prospect
- Well
- Spring
- Tank or Dam
- 2404 U.S. Mineral Monument
- Triangulation Station
- 5255 Bench Mark (with Elevation)
- Patented Millsite
- International Boundary Monument
- Town or Settlement
- School House
- Cemetery
- Patented Mining Claim
- Forest Homestead
- Railroad
- Port of Entry
- Peak or Hill
- Pass

Ownerships from County Assessor's records as of Jan. 1950
- Surnames in CAPITALS
Numbers (as 21) indicate entire Section under single ownership
Minor tracts are not shown.

Similar maps of individual Townships are also available
— R. Lenon, P.E.
Patagonia, Ariz.

PIMA COUNTY

SONORA MEXICO

Tucson 34 Miles
Arivaca Jct.
Arivaca 5 Miles
Tubac
Tumacacori Nat. Mont.
Tubutama
Sasabe
Altar
Sonoita
Patagonia
Harshaw
Duquesne
Lochiel
Nogales
Rio Rico
Tumacacori
Calabasas
Rosemont
Helvetia
Continental
Sahuarita
Green Valley
Amado
Arivaca
Ruby
Austerlitz
Washington Camp
Mowry
Hermosillo 180 Miles
Santa Cruz 7 Miles
Fairbank
Tombstone 76 Miles
Benson 17 Miles

P.10E. P.11E. P.12E. P.13E. P.14E. P.15E. P.16E. P.17E. P.18E.

T.20S. T.21S. T.22S. T.23S. T.24S.

KEY TO COUNTIES

MOHAVE, COCONINO, NAVAJO, APACHE, YUMA, YAVAPAI, GILA, GRAHAM, GREENLEE, MARICOPA, PINAL, PIMA, COCHISE

TOWNSHIP DIAGRAM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Approximate Mean Declination, 1950
True North
Magnetic North
13°

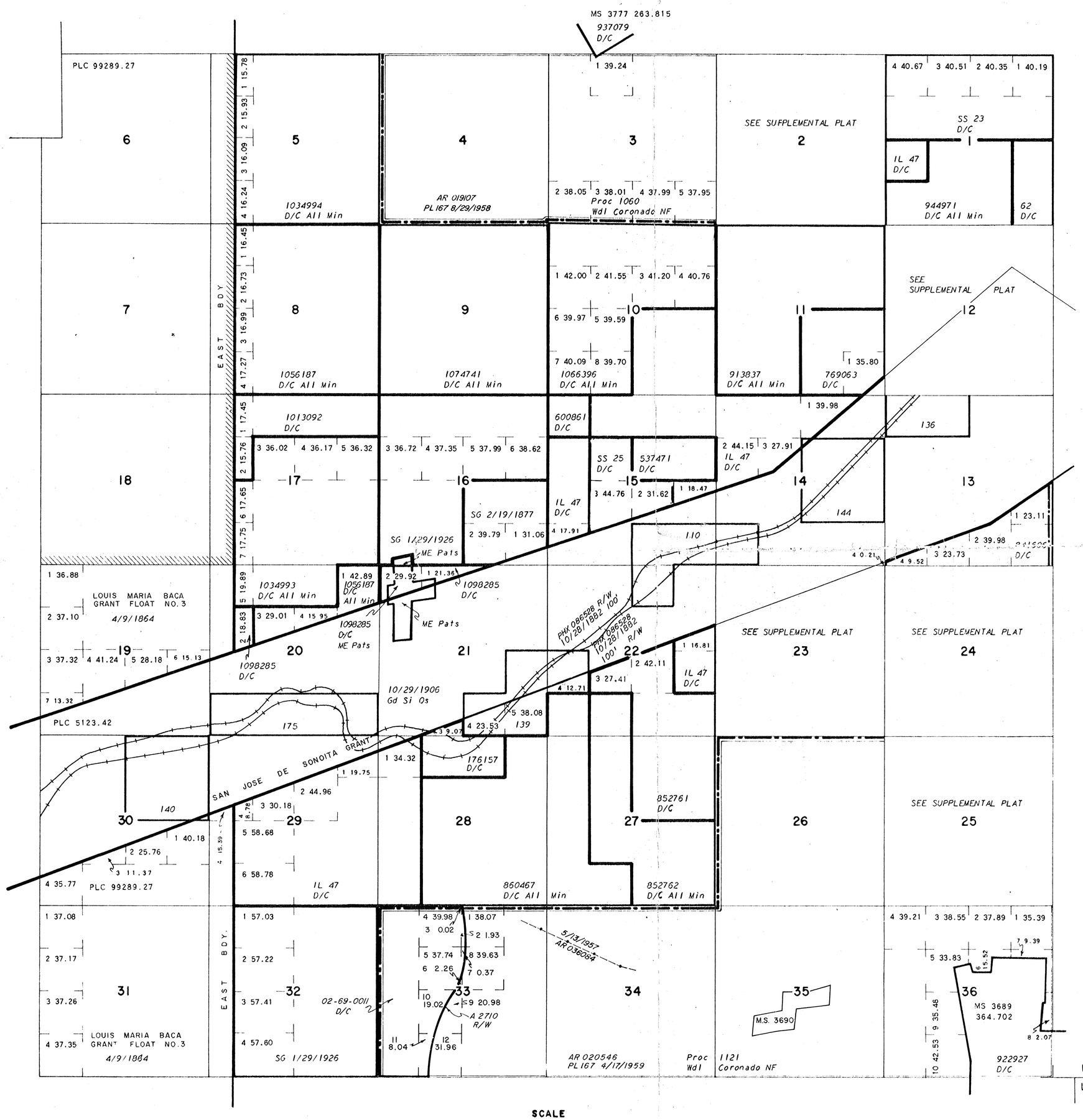
Copyright 1950; R. Lenon, Patagonia, Ariz.

(Transverse Mercator Projection)

PARTIALLY SURVEYED TOWNSHIP 22 SOUTH RANGE 15 EAST OF THE GILA AND SALT RIVER MERIDIAN, ARIZONA

SANTA CRUZ COUNTY

STATUS OF PUBLIC DOMAIN
LAND AND MINERAL TITLES



INDEX TO SEGREGATED TRACTS				
RESURVEY	ORIGINAL SURVEY			
TRACT NO	T	R	SEC	SUBDIVISION

FOR ORDERS EFFECTING DISPOSAL OR USE OF UNIDENTIFIED LANDS WITHDRAWN FOR CLASSIFICATION, MINERALS, WATER AND/OR OTHER PUBLIC PURPOSES, REFER TO INDEX OF MISCELLANEOUS DOCUMENTS.

PROTRACTION DIAGRAM NO. 76

DIST. NO. 2

Lat 31°27'56"N
Long 110°45'30"W

CURRENT TO	BY

T. 22 S.
R. 15 E.

BUREAU OF LAND MANAGEMENT
PHOENIX, ARIZONA
1975 NOV 26 PM 3:44

Salero Property
Santa Cruz Co, Ariz.

ROBERT E. CRAIG
Mining Consultant

11844 Art Street
Sun Valley, Calif.

April 3, 1965

Mr. D. Robinett
Car Trade, Inc.
6253 Hollywood Blvd.
Hollywood, California

Dear Mr. Robinett:

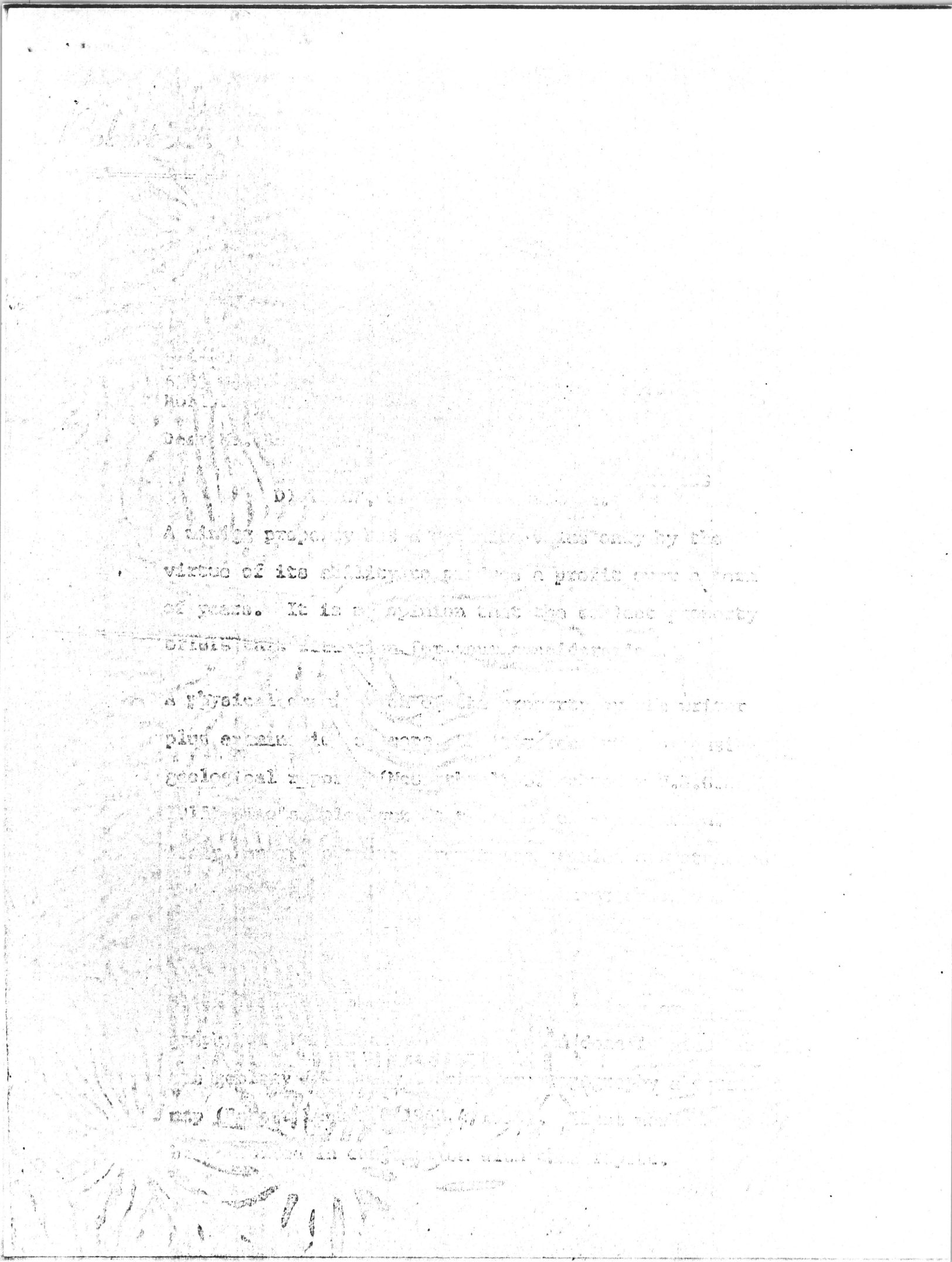
EVALUATION BACA FLOAT #3 TYNDALL MINING DISTRICT, SANTA CRUZ, ARIZONA.

A mining property has a definite value only by the virtue of its ability to produce a profit over a term of years. It is my opinion that the subject property offers this situation for your consideration.

A physical examination of the property by the writer plus examination of maps, smelter receipts, extensive geological reports (McCarthy 1963. Schrader U.S.G.S. 1915) also samples cut at the time of examination. Assay reports obtained from these samples are attached and were used as basis for establishment of values in place.

GEOLOGY

No effort will be made to cover the geology or topography of the property which has been done in great detail, the geology (McCarthey & Schrader) topography a detailed map (Robert Lannon 8/1948 4/1959). These works should be consulted in conjunction with this report.



DISCUSSION

The Baca Float #3 comprises [illegible] acres approx., and two (2) different mining situations exist.

(1) The Montezuma Mine offers a large open pit operation with values as follows. Gold $1.40 per ton, Silver 88 cents per ton, Copper 79 cents per ton, Zinc $1.19 per ton. Gross value in place $4.26 per ton. The deposit being a mineralized vein dike, averaging 175' wide and traceable on the surface for a distance of 4,500' with a good possibility of further extension of the body.

No exact determination of depth of the dike can be made without drilling. It would be safe to assume that value will remain constant or increase to a minimum of 300', as a shaft sunk to this depth about 1883 (Schrader) explored a high-grade pocket in subject dike.

Examination of material remaining on the mine dump indicated to the writer that at the bottom level of the shaft was in values in excess of $30.00 at current metal prices.

The sample taken at time of examination establishing the $4.26 value was cut at random from the ground [illegible]

of the dike. Many enriched stringers present in the mass were excluded from the sample cuts. In the process of mining these enriched areas would be included in the heads as a plus factor.

Using 150' width, 3,500 length and 150' average depth of the deposit for the purpose of computing tonnage in place we arrived at 5,512,500 tones. Based on the $4.26 per ton value gross worth in place being $23,[illegible] (current metal prices). Using the H. Hoover method of projection (face value discounted 90%) net worth in place amounts to $2,348,325.00. It should be noted that figures used in computing gross tonnage were conservative in every respect. It is reasonable to assume that at least 30% more ore would be available.

It is my considered opinion that water in sufficient amounts for milling this ore would be available at a depth of 125' or less (based on standing water on the surface, water level in existing shafts and cement by Schrader 1915 U.S.G.S.).

This water should be considered as a favorable condition as the ore in question would require milling on

the site. Selective floatation would be the most practical method of recover.

When planning the mining and milling of the Montezuma values a 1,000 ton per day should be the minimum size mill considered. Additional capacity can be provided at a later date.

Milling and mining costs on this type of operation should not exceed $3.40 per ton under proper management and could drop as low as $3.05 per ton.

Using the $3.40 figure this provides for a net profit of 86 cents per ton, this margin of profit on a high volume operation would be most attractive, considering the vast tonnages available.

(2) As a direct opposite to the Montezuma Mines the Jefferson, Eureka, Trudie, Georgia, Trenton, Royal Blue, Alice Blue and Mable properties offer high-grade lead, Zinc, Copper, Silver and Gold values. (Gold being a minor consideration.)

The above described properties contain eight (8) true fissure veins standing in a near vertical position, with widths of 20" average and in many areas [illegible]

20' plus. All veins have a most common strike approx. North 30 degrees West.

In the opinion of the writer the Jefferson vein offers the greatest potential for the development of a large tonnage of high-grade ore. Second in order being the Eureka vein. Third, the Trenton vein. Fourth, being the Mable vein. Nothing being known regarding the Cowgill or Trudie veins. Observation of the workings present on subject veings indicate that some commercial ore was removed, but no records were available to the writer to verify this observation.

Sampling by the writer was confined to the Jefferson vein due to the time element involved. It was my further opinion that should commercial ore in sufficient tonnage be present on the Jefferson property all other adjacent veins would be a plus factor in reserve.

Two (2) samples were cut from the Jefferson vein at locations that in my opinion would represent a true cross section of subject vein.

Sample number Cross cut of Jefferson vein at tunnel near main shaft. (Width of vein 36" cut taken over

width). Values as follows. Gold $1.05, Silver 26 [illegible], Copper nil, Lead $9.60 per ton, Zinc $14.73.

Gross value in place $25.64 per ton. The sample was removed 10' below the surface, evidence of leaching of values from this area was quite obvious.

Sample number Upper Jefferson Tunnel & Dump random cut. (Width of this vein at point of sampling 10' minimum). Values as follows. Gold $1.75, Silver $2.[illegible], Copper $3.30, Lead, $84.19, Zinc $3.60. Gross value in place $95.79 per ton.

The Jefferson vein was traced on the surface by the writer for a distance of 6,400'. The main Jefferson shaft explores the vein to depth of 200' with drifts on the vein for a length of 200' (old records, last work 1947 indicate that ore developed at the 200' level assayed 32% Lead, Silver [illegible] oz. per ton, other values not reported).

Using a 6' width (drift), 6,400' strike and 300' average depth, a minimum of 1,10[illegible],000 tons will be encountered.

Using the $25.64 assay figure [illegible] value in place

would be $28,429,632.00. Again using the [illegible] method of projection net value in place would $2,842,963.20. It is more than reasonable to assume the adjacent veins described above in this report will enhance the net value in place by a minimum of $1,000,000.00.

It should be noted that the above figures were provided on a 350' depth of body, it is my opinion that values will continue to a depth of 600', this could only be proved or disproved by a drilling program.

Further attention should be given at this time to the smelter returns from the Royal Blue and Alice Blue properties. (see attached)

This area should be considered as a [illegible] plus factor to the Jefferson area.

(24) The Salero Mine offers [illegible] conditions as the Jefferson, although located [illegible] (1) [illegible] away in a southerly direction.

This mine has a recorded history during back to 1850 or prior. Records indicate that the last work done on the property was 1917.

Subject work being in the form of a vertical shaft sunk to a depth of 400' with lateral work at the 120' level and also at the 400' level. Examination of material remaining on the mine dump indicated to the writer that the workings was in ore at the bottom level.

Water now stands in the shaft within 120' or less of the collar level. All timbers have been removed from the main shaft and examination to the water level was not possible at the time of a visit to the property.

Two (2) massive quartz veins outcrop and strike North 101 degrees East and was traced for a distance of 3,500' on the surface. Both veins show evidences of having been mineralized, but due to extensive leaching at points of exposure most of the values have been removed and transported to a lower level.

At the surface the veins vary in width from 7' to 20' plus, and stand in a near vertical position.

A random sample cut across the Solero vein assayed the following values. Gold 70 cents, Silver 10 cents, and 87 cents per ton. In view of this showing in the lower area, plus the high-grade material remaining on the

mine dumps and the records of good ore production in the past, it is my opinion that further sampling and drilling on this area of the property should be undertaken as soon as possible. This drilling and sampling could well develop a minimum of 3,000,000 tons of mill grade ore.

RECOMMENDATIONS MONTEZUMA MINE

Little additional can be said regarding the Montezuma Mine property regarding values and the methods of mining and milling that was not covered in section (1) of this report.

I would suggest that a minimum of twenty (20) drill holes be sunk to a minimum depth of 300' to establish exact size of the ore body and any increase of values below the water level.

RECOMMENDATIONS JEFFERSON MINE

The ore removed from the Jefferson mine should be treated in the same manner as ore from the Montezuma Mine (selective flotation).

It would be processed through the same mill, or a mill could be established to serve this area of the property, this decision can be made at a later date.

Robert E. Craig

Robert E. Craig

(2) Provide a haulage way for [illegible] stopped from the vein over its entire length, without the need of [illegible] hoisting equipment.

At this time please refer to the copy of the [illegible] map submitted with this report.

You will note I marked in red a proposed extension of the cross cut after the Jefferson vein [illegible]. This would provide access to [illegible] Hurcha and Kable veins, plus [illegible] milling facility.

Prior to extending the proposed [illegible] Jefferson vein, additional [illegible] to assure that the veins would be [illegible] advantage.

The roads to the Jefferson property [illegible] approx. $20,000 to repair and [illegible] all weather conditions.

At this time I [illegible] range program for the [illegible] drilling and additional [illegible] the Salero section of this [illegible]

It would also be difficult at this time to [illegible] exact cost figures for a recovery mill for either the Jefferson or Montezuma properties without additional time being spent on the subject properties.

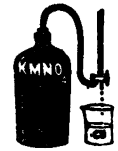
Under normal conditions a mill of the type required to process Baca Plant ores would cost approx. $[illegible] per ton per day capacity, or a 500 ton per day [illegible] [illegible] $[illegible]

Any further questions you have will [illegible] attention.

1435 SOUTH 10th AVENUE
P.O. BOX 1889

Jacobs Assay Office

Registered Assayers

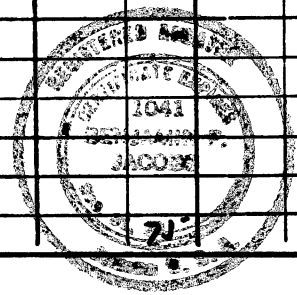


PHONE 622-0813

85702 Tucson, Arizona, Dec 5th, 1975

Sample Submitted by Mr. L J Tuchty Personal

Sample Marked	GOLD Ozs. per ton ore	GOLD Value per ton ore * $	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
			0 10					
4842	~	~						
			0 05					
43	~	~						
			0 10					
47	~							
	~	~	~	~	~	~	~	~



* Gold Figured $ 100.00 per oz. Troy

Charges $ 9.00

Very respectfully,

Ben D. Jacobs

CONSOLIDATED RANWICK FORM 101

CONSOLIDATED RANWICK URANIUM MINES LIMITED

SAMPLE No. 4842

DESCRIBE TONNAGE, VOLUME OR AREA OF GROUND, AND/OR THICKNESS OF BED OR VEIN REPRESENTED BY SAMPLE.

WEATHER HEAD GATE SAMPLE #1 500' NORTH @ OUTCROP ON STONE BRIDGE NEAR RD.

STATE AZ

COUNTY Santa Cruz

MINE, PROPERTY, OR AREA

POSITION ON PROPERTY, LEVEL, ETC.

SAMPLER LJL EGH DATE 12-3-75

SAMPLE TO BE ASSAYED FOR FOLLOWING: (RESULTS TO BE ENTERED BELOW SYMBOLS IN EACH BANK OF BLOCKS)

CONSOLIDATED RANWICK URANIUM MINES LIMITED

SAMPLE No. 4842

ASSAY FOR:

CONSOLIDATED RANWICK FORM 101

CONSOLIDATED RANWICK URANIUM MINES LIMITED

SAMPLE No. 4843

DESCRIBE TONNAGE, VOLUME OR AREA OF GROUND, AND/OR THICKNESS OF BED OR VEIN REPRESENTED BY SAMPLE.

#2 In cut @ Rd. on steep hill due 1.1 mile northerly Weatherhead Ranch Cook

STATE Az

COUNTY Santa Cruz

MINE, PROPERTY, OR AREA

POSITION ON PROPERTY, LEVEL, ETC.

SAMPLER LJL EGA DATE 12-3-75

SAMPLE TO BE ASSAYED FOR FOLLOWING: (RESULTS TO BE ENTERED BELOW SYMBOLS IN EACH BANK OF BLOCKS)

CONSOLIDATED RANWICK URANIUM MINES LIMITED

SAMPLE No. 4843

ASSAY FOR:

CONSOLIDATED RANWICK FORM 101

CONSOLIDATED RANWICK
URANIUM MINES LIMITED

SAMPLE No 4844

DESCRIBE TONNAGE, VOLUME OR AREA OF GROUND, AND/OR THICKNESS OF BED OR VEIN REPRESENTED BY SAMPLE.

#3 In Sec. 32
Mora Rd. Thru
#1 & #2

STATE AZ

COUNTY Santa Cruz

MINE, PROPERTY, OR AREA

POSITION ON PROPERTY, LEVEL, ETC.

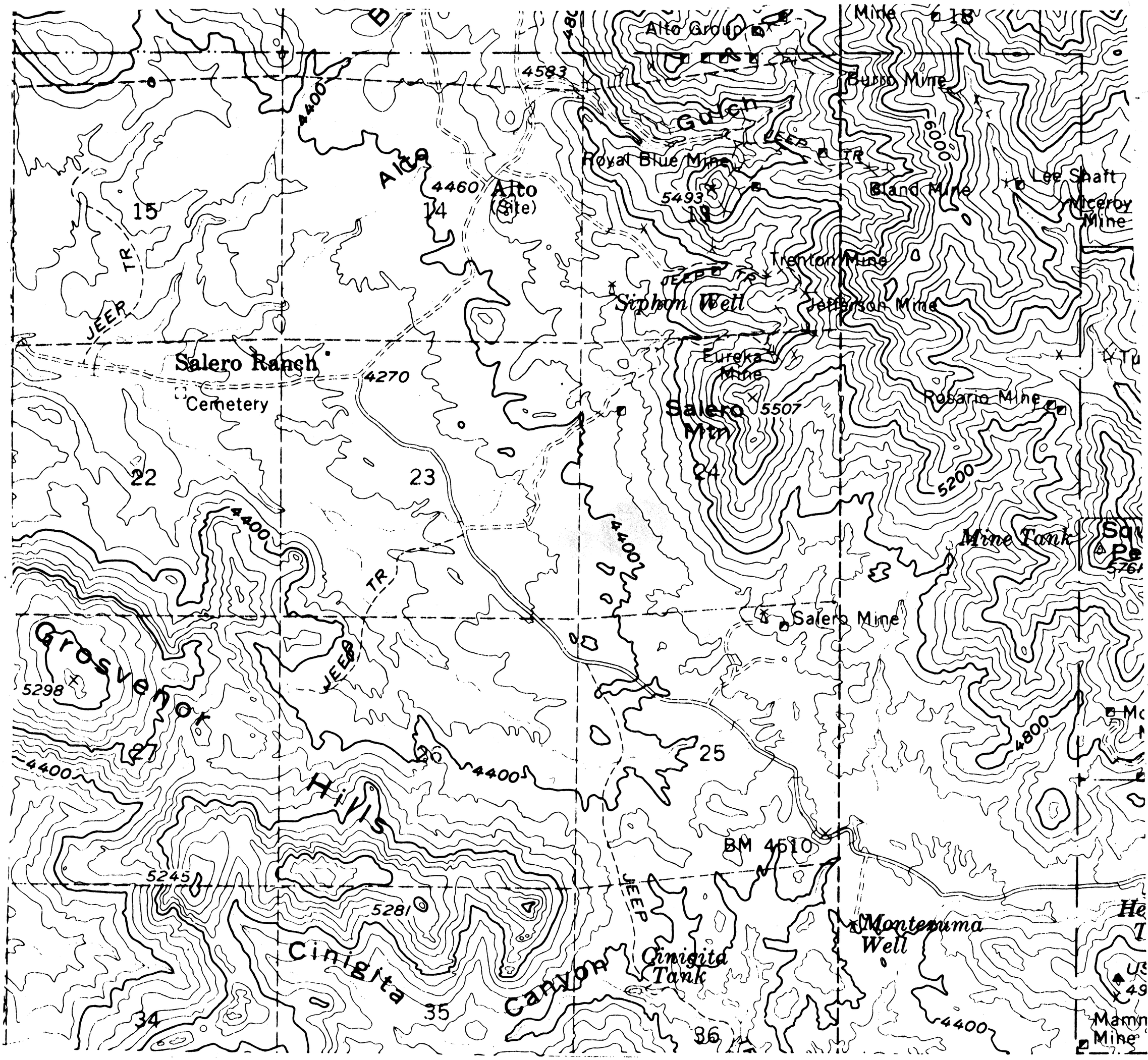
SAMPLER LJL EGR DATE 12-3-75

SAMPLE TO BE ASSAYED FOR FOLLOWING: (RESULTS TO BE ENTERED BELOW SYMBOLS IN EACH BANK OF BLOCKS)

CONSOLIDATED RANWICK URANIUM MINES LIMITED

SAMPLE No. 4844

ASSAY FOR:



Nogales, Ariz.
J. Copenbarger
222 F Sonoita
Salero Flint
part of Baca flint
+ 8000 acres
28 sq. miles

Contact
Jim Copenbarger
Nogales Sonora

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MOUNT WRIGHTSON QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)

(TWIN BUTTES) 3747 I

3847 I (EMPIRE MTS)

3847 IV (SAHUARITA)

(NOGALES) 3846 IV

(RUBY) 3746 I

(TUBAC) 3747 II

(ELGIN) 3847 II

(LOCHIEL) 3846 I

SCALE 1:62500

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1955. Field check 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

Dashed land lines indicate approximate locations
Land lines unsurveyed in T. 20 S.–R. 15 E., and parts of
T. 20 S.–R. 16 E., T. 21 S.– Rs. 13, and 15 E.,
and T. 22 S.–Rs. 13, 14, and 15 E.

Unchecked elevations are shown in brown

UTM GRID AND 1958 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION

Heavy-duty — Light-duty

Medium-duty — Unimproved dirt

State Route

ARIZONA
QUADRANGLE LOCATION

MOUNT WRIGHTSON, ARIZ.
N3130—W11045/15

1958

AMS 3847 III—SERIES V798

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1970