



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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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HUMBOLDT MINE

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 140A

LOCATION: TOWNSHIP 23 S RANGE 16 E SECTION 5 QUARTER NE
LATITUDE: N 31DEG 29MIN 25SEC LONGITUDE: W 110DEG 43MIN 59SEC
TOPO MAP NAME: HARSHAW - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
UNKNOWN *Zn, Cu, Ag*

BIBLIOGRAPHY:
ADMMR HUMBOLDT MINE FILE

182-500
LIGHTSON

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

110°45' 524000m.E. 42'30"

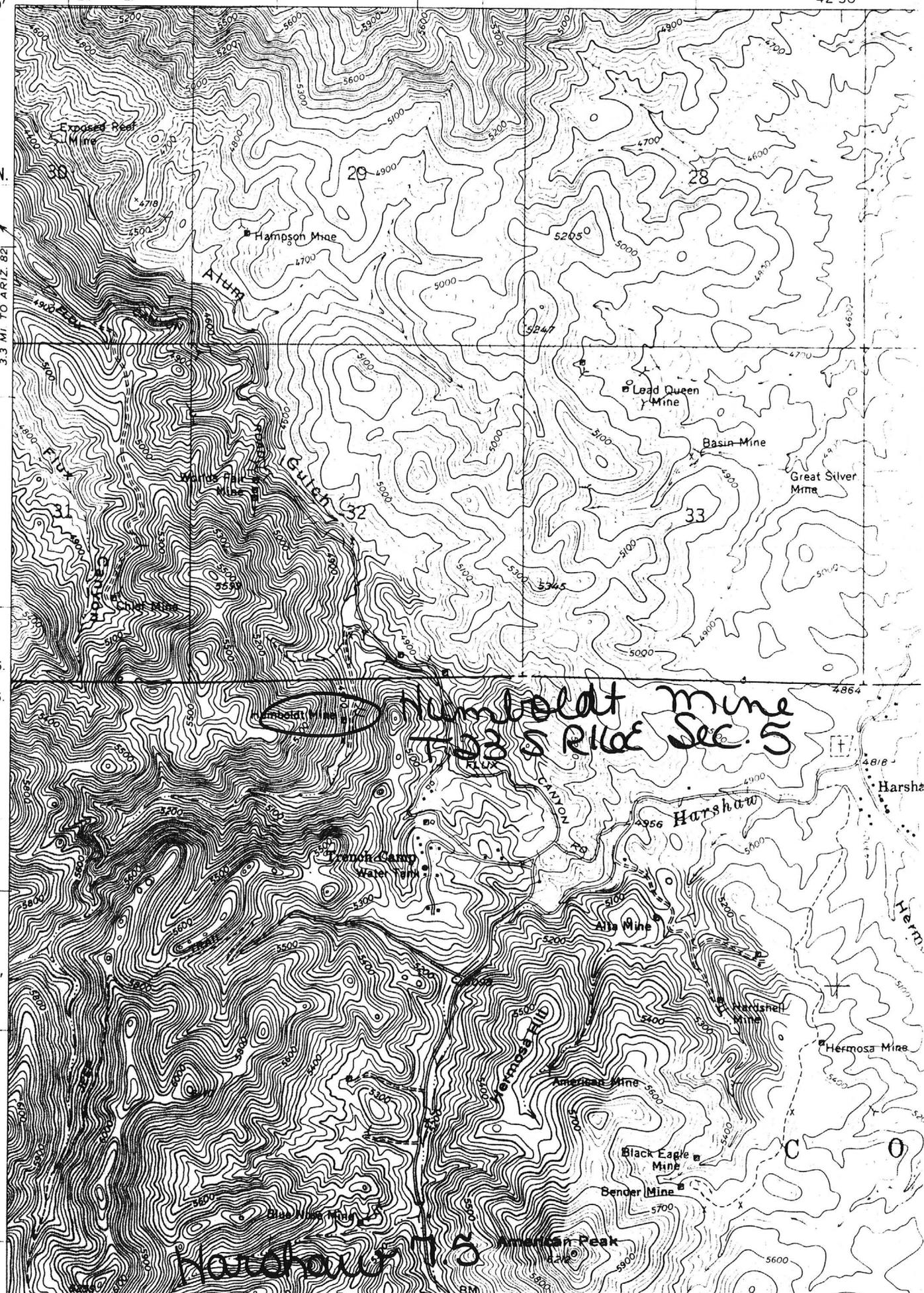
3484000m.N.

3.3 MI TO ARIZ. 82

T. 22 S.

T. 23 S.

27'30"



Humboldt mine
T. 23 S. R. 10 E. Sec. 5

Harshaw T. 23 S. R. 10 E. Sec. 5

C O

REPUBLIC - 6-25-61 - by John L. Parker



The old HUMBOLDT mine, located between the World's Fair and Trench mine, is reportedly being reopened by Art Robinson and his associates.

Taken from MINING WORLD, May 1961, p 46.

HUMBOLDT MINE (File)

SANTA CRUZ CO.

MG/WR 3/8/79 - Visited the Humboldt Mine area; there was no apparent activity and the Flux Canyon Road, to the mine, was in poor condition. 4/18/79 a.p.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Humboldt Mine Date Nov. 8, 1962
District Harshaw District - Santa Cruz County Engineer Axel L. Johnson
Subject: Field Engineer's Report. Information from Mrs. Harry Harris & Carlton Spalding.

References: Report of Sept. 6, 1962

Present Activity: Operations were closed down on Sept. 10, 1962.
Reason given - discouraging results on the exploration work.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Humboldt Mine Date September 6, 1962
District Harshaw District, Santa Cruz County Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from Art Robinson.

References: Report of December 11, 1952.

Location: About $1\frac{1}{4}$ miles SW of the Trench Mine, about 11 miles SE of Patagonia.

No. of Claims: 9 unpatented claims. These were reported to have been located by a Mr. Humboldt in 1898 and later held by various other owners. They are reported to have been surveyed for patent in 1936, but patent was never issued. The present owner acquired the claims by relocation in 1957.

Owner: Art Robinson and J.G. Mendoza.

Lessees and Operators: Platoro Corp., D.M. Stranahan, acting president, 431 S. Alvernon Way, Tucson, Box 4507, Tucson. Local address Box 555, Patagonia. *deed 12/20/70*

Principal Minerals: Zinc, copper, silver - complex ores.

Present Mining Activity: Crosscutting to the S on the 90 ft. level. 1 shift 5 days per week with 5 men working.

Past History and Production:

1. Reported to have been located by a Mr. Humboldt in 1898.
2. The mine operated at various times between 1898 and 1932, the production being estimated as \$10,000. between 1898-1915, \$25,000. from 1920 to 1932.
3. Mr. Scheler is reported to have acquired the property about 1932.
4. The mine was reported to have been last operated in 1952 or 1953 by George Jerrard.

Old Mine Workings:

1. One old upper adit - 350 ft. long.
2. One old lower adit - 480 ft. long with several crosscuts from same.
3. One 90 ft. winze below the lower adit.
4. One raise from the lower adit through the upper adit and up to the surface 111 ft. high. Distance between the lower adit and upper adit is 60 ft.

Review of Recent Operations: The operators started shaft sinking in March. This shaft is a $1\frac{1}{2}$ compartment, 6 x 9 ft. shaft, inclined 76 degrees to the N. The shaft was sunk to a depth of 96 ft. after which a drift was run W for a distance of 18 ft. on the 90 ft. level. On this level, a crosscut is now being run S towards the main ore vein which has been worked in other places by former operators. This crosscut is now in only about 8 ft. and no ore has been encountered yet.

* GENERAL REFERENCES

- REFERENCE 1 F1 < ABGMT-158M FILE DATA >
- REFERENCE 2 F2 < KEITH, STANTON B. 1975 INDEX OF MINING PROPERTIES IN SANTA CRUZ COUNTY, ARIZONA; ARIZONA BUREAU OF MINES BULLETIN 191, p. 58 >
- REFERENCE 3 F3 < ABGMT FILES, STANTON, B. KEITH >
- REFERENCE 4 F4 < KARTCHNER WAYNE E. 1944 THE GEOLOGY AND ORE DEPOSITS OF A PORTION OF THE HARSHAW DISTRICT, PATAGONIA MOUNTAINS, ARIZONA; Ph.D THESIS, UNIVERSITY OF ARIZONA, p. 92-94 >

C50 < OCCURS WITH CHALCOPYRITE AT DEPTH >
 L110 < GOOD LUCK, SILVER LEAF AND INDIAN CHIEF CLAIMS >
 M110 < SILICEOUS ZONES BEARING ORES 15-9 FT WIDE AND DIPS 70NE; SHEAR ZONES TEND TO DIP AT HIGH ANGLES (70-80 DEGREES) >

K5 < MAINLY IN RHYOLITE, 15-30 FT FROM CONTACT >
 N5 < EA >
 N80 < QUARTZ GANGUE OR CONCENTRATED IN JOINT OR SHEAR PLANES; SOME NARROW LENSING QUARTZ VEINS ALSO CONTAIN ORE >

- F5 < SCHRADER FRANK C. 1915 MINERAL DEPOSITS OF THE SANTA RITA AND PATAGONIA MOUNTAINS, ARIZONA; USGS BULLETIN 582, p. 251-252 >
- F6 < SIMONS FRANK S. 1972 MESOZOIC STRATIGRAPHY OF THE PATAGONIA MOUNTAINS AND ADJOINING AREAS, SANTA CRUZ COUNTY, ARIZONA; USGS PROFESSIONAL PAPER 658-E, p. 21-22 >
- F7 < SIMONS FRANK S. 1974 GEOLOGIC MAP AND SECTIONS OF THE NOGALES AND LOCHIEL QUADRANGLES, SANTA CRUZ COUNTY, ARIZONA; USGS MAP I-762 (1:48000) >
- F8 < MOORES RICHARD C. 1972 THE GEOLOGY AND ORE DEPOSITS OF A PORTION OF THE HARSHAW DISTRICT, SANTA CRUZ COUNTY, ARIZONA; M.S. THESIS, UNIVERSITY OF ARIZONA >
- F9 < ABGMT CLIPPINGS FILE, HUMBOLDT MINING AND REDUCTION CO. >

miles # 140 A

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < _____ > RECORD TYPE B20 < X, I, M > DEPOSIT NUMBER B40 < _____ >
 REPORT DATE G1 < 8.2.Y.0.3. > INFORMATION SOURCE B30 < 1.2. > FILE LINK IDENT. B50 < _____ >
 YR. MO.
 REPORTER (SUPERVISOR) G2 < CALDER, SUSAN R. > (last, first, middle initial) (last, first, middle initial)
 REPORTER AFFILIATION G5 < ABGMT > SITE NAME A10 < HUMBOLDT MINE >
 SYNONYMS A11 < _____ >

LOCATION

MINING DISTRICT/AREA A30 < HARSHAW DISTRICT >
 COUNTY A60 < SANTA CRUZ > STATE A50 < A.Z. > COUNTRY A40 < U.S. >
 PHYSIOGRAPHIC PROV A63 < 1.2.Y. >
 DRAINAGE AREA A62 < 1.5.0.5.0.3.0.1.Y. LOWER COLORADO > LAND STATUS A64 < 4.1.Y. > (1.9.7.9.)
 QUADRANGLE NAME A90 < LOCHIEL > (1.9.5.8.) QUADRANGLE SCALE A100 < 62,500. >
 SECOND QUAD NAME A92 < HARSHAW > (1.9.4.8.) SECOND QUAD SCALE A91 < 24,000. >
 ELEVATION A107 < 4,900.Y.F.T. >

UTM ACCURACY GEODETIC
 NORTHING A120 < 3.4.8.1.4.5.0. > ACCURATE (ACC) (circle) LATITUDE A70 < 31.28.09.N. >
 EASTING A130 < 5.2.5.3.2.5. > ESTIMATED EST < _____ > LONGITUDE A80 < 110.44.00.W. >
 ZONE NUMBER A110 < +.1.2. >

CADASTRAL
 TOWNSHIP(S) A77 < 0.2.3.5. > RANGE(S) A78 < 0.1.6.E. >
 SECTION(S) A79 < 5 >
 SECTION FRACTION(S) A76 < CENTER OF NORTH >
 IDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 1.5 MILES WEST OF HARSHAW >
 LOCATION COMMENTS A83 < NEAR THE HEAD OF ALUM GULCH, ABOUT 1.0 MILE SOUTH OF WORLD'S FAIR MINE >

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

Date Dec. 11, 1952

1. Mine: Humboldt Mine (Information from Harry Ostwalt, lessee)
2. Location: Sec. 5 Twp. 23 S Range. 16 E Nearest Town. Patagonia
Distance. 11 miles Direction. SE Road Condition. Good
(1/4 mile north of the Trench Mine and mill)
3. Mining District & County: Harshaw District, Santa Cruze County
4. Former Name of Mine: none
5. Owner: Carl Scheler, Patagonia, Arizona
Address: _____
6. Operator: Harry Ostwalt, Patagonia, Arizona, lessee.
Address: _____
7. Principal Minerals: Lead, Zinc, Copper, Silver.
8. Number of Claims: 7 unpat. Lode. yes Placer. _____
Patented. no Unpatented. yes
9. Type of Surrounding Terrain: Fairly rough terrain. Elevation 4800 ft.

10. Geology & Mineralization: Fissure vein in rhyolite. Strike East and West.
Dip 70 deg. North. Width of vein varies from 4 inches to 4 ft.
Minerals mostly all sulphides---Galena, Tetrahedrite,
and a small amount of Sphalerite. (No oxides to speak of)

11. Dimension & Value of Ore Body: Vein has been followed for a horizontal distance of
310 ft. along the strike. Depth of deepest workings is a shaft 165 ft. deep. Aver.
width of vein about 2 to 2 1/2 ft.
One sample showed--- Silver 49.2 oz.; Copper 1.64 %;
Lead 4.0 %.

12. Ore "Blocked Out" or "In Sight":..... Estimated by operator as 10,000 to 12,000 tons.....

Ore Probable:..... Not informed regarding "Ore Probable!".....

13. Mine Workings—Amount and Condition:.....

No.	Feet	Condition
Shafts..... 1	165 ft.	Shaft goes down to 65 ft. below the tunnel level.
Winze Winze..... 1	100 ft.	
Tunnels..... 2	310 ft.	One tunnel is 160 ft. and the other one is 150 ft.
Crosscuts.....		
Stopes.....		

14. Water Supply:..... Could be developed by well from 200 to 250 ft. deep.....

15. Brief History:..... Located in 1898 by a Mr. [✓]Humboldt. Mr. Scheler acquired the property about 1932.

Estimated value of production from mine is as follows:

From 1898 to 1915 ----- \$10,000 worth

From 1920 to date ----- \$25,000 worth

Number Men Working 5 man days per month work done to hold lease.

Production Rate No Production.

Proposed Plans The lessee, Mr. Harry Ostwalt would prefer to work the mine himself and develop it, and ship the ore mined out to the Trench mill nearby.

16. Signature:.....

Carl F. Johnson, Field Engineer

17. If Property for Sale, List Approximate Price and Terms:..... Would consider a sale or re-lease on favorable terms.