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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SANTA RITA

ALTERNATE NAMES:
GOOD LUCK MINE

SANTA CRUZ COUNTY MILS NUMBER: 129

LOCATION: TOWNSHIP 20 S RANGE 14 E SECTION 17 QUARTER NW
LATITUDE: N 31DEG 41MIN 37SEC LONGITUDE: W 110DEG 56MIN 01SEC
TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
LEAD
GOLD
COPPER

BIBLIOGRAPHY:
AZBM CARD FILE SANTA CRUZ CO.
USBM FIELD NOTES PB35
SCHRADER, F.C., USGS BULL. 582, P. 184-185
KEITH, S.B., 1975, INDEX OF MINING PROP. IN
SANTA CRUZ CO., AZBM
USGS PP 748, P. 11-12
AZBM BULL. 191, P. 85
ADMMR SANTA RITA MINES FILE
HISTORY OF MINING IN ARIZONA, AZBM P. 319-320

SANTA RITA MINES

9/84

SANTA CRUZ COUNTY
TYNDALL DISTRICT
T20S R14E Sec. 17

MILS Santa Cruz Index #129

AKA: Good Luck Claims

USGS Bull. 582, p. 184-185, 21, 22

History of Mining in Arizona , ABM p. 319-320

USGS PP 748, p. 11-12

ABM Bull. 191, p. 85

Mt. Hopkins 7.5 (included in file)

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

Santa Cruz

~~PIMA~~ COUNTY

SANTA RITA MTS

~~SANTA RITA MINE~~

TYNDALL DIST

GOOD LUCK CLAIMS

T20S-R14E-Sec.17

MILS #129

1-AKA

Santa Rita (file)

MM=L145 Native Copper

367

COMMODITIES PRESENT C10 < Pb, Ag, Cu,
ORE MINERALS C30 < PYRITE
COMMODITY SUBTYPES C41 <
GEN. ANALYTICAL DATA C43 < 1907 ORE VALUES AVERAGED 29 OZ./TON AU, 16% Pb, 13 OZ./TON Ag
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

	PRODUCER									
MAJOR PRODUCTS	MAJOR < Au < < < < < < < < < < >									
MINOR PRODUCTS	MINOR < Ag < < Pb < < < < < < < >									
POTENTIAL OCCURRENCES	POTEN < < < < < < < < < < >									
	OCCUR < Cu < < < < < < < < < >									

[illegible]

*PRODUCTION

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

NON-PRODUCER

PRODUCTION **UND** NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT	
PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 <u>4</u>	STATUS AND ACTIVITY A20 <u> </u>

DISCOVERER L20 < _____ >
 YEAR OF DISCOVERY L10 < 1900 > *NATURE OF DISCOVERY L30 < B > *YEAR OF FIRST PRODUCTION L40 < 1908 > *YEAR OF LAST PRODUCTION L45 < 1908 >
 PRESENT/LAST OWNER A12 < _____ >
 PRESENT/LAST OPERATOR A13 < _____ >
 EXPL./DEV.COMMENTS L110 < OWNERS AND OPERATORS INCLUDED SANTA RITA COPPER MINING AND SMELTING CO. (1901-1903) ; 5-TON AMALGAMATION AND CONCENTRATION MILL WAS BUILT IN 1907 >

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S)	C40 < <u>VEIN / SHEAR ZONE ?</u>				
DEPOSIT FORM/SHAPE	M10 < <u>IRREGULAR</u>				
*DEPTH TO TOP	M20 < _____ >	*UNITS M21 < _____ >	*MAXIMUM LENGTH	M40 < _____ >	*UNITS M41 < _____ >
*DEPTH TO BOTTOM	M30 < _____ >	*UNITS M31 < _____ >	*MAXIMUM WIDTH	M50 < _____ >	*UNITS M51 < _____ >
*DEPOSIT SIZE	M15 < <u>SMALL</u> > M15 < <u>MEDIUM</u> > M15 < <u>LARGE</u> > (circle one)		*MAXIMUM THICKNESS	M60 < _____ >	*UNITS M61 < _____ >
*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) *OVERALL LENGTH **M190** < _____ > *UNITS **M191** < _____ >
 DEPTH BELOW SURFACE _____ *UNITS **M161** < _____ > *OVERALL WIDTH **M200** < _____ > *UNITS **M201** < _____ >
 LENGTH OF WORKINGS **M170** < _____ > *UNITS **M171** < _____ > *OVERALL AREA **M210** < _____ > *UNITS **M211** < _____ >
 DESC. OF WORK. COM. **M220** < SOME SURFACE WORKINGS, TYPE AND EXTENT UNKNOWN >

GEOLOGY

* AGE OF HOST ROCK(S)	K1<LCRET.	68-69 m.y. BY K-AR DATING METHOD (DREWES, H., 1971)
* HOST ROCK TYPE(S)	K1A<COARSE QUARTZ MONZONITE OF THE QUANTRELL STOCK	
* AGE OF IGNEOUS ROCK(S)	K2<LCRET.	
* IGNEOUS ROCK TYPE(S)	K2A<FINE-GRAINED OR APLITIC QUARTZ MONZONITE OF THE QUANTRELL STOCK	
* AGE OF MINERALIZATION	K3<LCRET.	
* PERT. MINERALS (NOT ORE)	K4<IRON SULFIDES	
* ORE CONTROL/LOCUS	K5<OXIDIZED PYRITIC ZONE IN QUARTZ MONZONITE; MINERALIZATION PROBABLY CONTROLLED	
* MAJ. REG. TRENDS/STRUCT.	N5<NE-TRENDING QUARTZ VEINS AND DIKES IN MADERA - AGUA CALIENTE CANYONS;	
* TECTONIC SETTING	N15<SALERO FAULT BLOCK	
* SIGNIFICANT LOCAL STRUCT.	N70<ORE DEPOSITS IN LOCALITY CONTAINED IN SMALL FISSURE VEINS CUTTING	
* SIGNIFICANT ALTERATION	N75<SURFACE OXIDATION TO UNKNOWN DEPTHS	
* PROCESS OF CONC./ENRICH.	N80<SUPERGENE ENRICHED SILVER AND LEAD MINERALS NEAR SURFACE	
* FORMATION AGE	N30<	
* FORMATION NAME	N30A<	
* SECOND FM AGE	N35<	
* SECOND FM NAME	N35A<	
* IGNEOUS UNIT AGE	N50<LCRET.	
* IGNEOUS UNIT NAME	N50A<ELEPHANT HEAD QUARTZ MONZONITE	
* SECOND IG. UNIT AGE	N55<	
* SECOND IG. UNIT NAME	N55A<	
* GEOLOGY COMMENTS	N85<	

GENERAL COMMENTS

GENERAL COMMENTS GEN < _____

* GENERAL REFERENCES

REFERENCE 1 F1 < USBM FILES, SANTA RITA MINE
REFERENCE 2 F2 < SCHRADER, F.C., 1915, USGS BULL. 582, p. 184-185 ✓
REFERENCE 3 F3 < TENNEY, JAMES B., 1927-29, HISTORY OF MINING IN ARIZONA; ARIZONA BUREAU OF MINES, p. 319-320 ✓
REFERENCE 4 F4 < DREWES, H., 1971, USGS MAP I-614 (1:48000)

L110 < WHICH PRODUCED A LITTLE BULLION IN 1908, BUT ORE WAS TOO LOW GRADE TO MINE AND TREAT ECONOMICALLY, AND NO MORE WORK OR PRODUCTION HAS BEEN REPORTED.

K5 < BY FRACTURES >

N5 < DIKES RANGE IN COMPOSITION FROM RHYOLITE TO DIORITE >

N70 < QUARTZ MONZONITE. ORES ARE CHIEFLY LOW-GRADE GOLD ASSOCIATED WITH LEAD AND IRON SULFIDES >

F5 < DREWES, H., 1972, USGS PROFESSIONAL PAPER 742, p. 11-12 > ✓

F6 < KEITH, STANTON B., 1975, ABM BULL. 191, p. 85 > ✓

F7 < ABG-MT FILES STANTON B. KEITH >

F8 < ABG-MT-USBM FILE DATA >

miles # 129

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < _____ > RECORD TYPE B20 < X, 1, M, > DEPOSIT NUMBER B40 < _____ >
REPORT DATE G1 < 82, 0, 4, > INFORMATION SOURCE B30 < 1, 2, > FILE LINK IDENT. B50 < USBM-004023 0351 >
REPORTER(SUPERVISOR) G2 < CALDER SUSAN R. > (last, first, middle initial) (last, first, middle initial)
REPORTER AFFILIATION G5 < ABG-MT > SITE NAME A10 < SANTA RITA MINES >
SYNONYMS A11 < GOOD LUCK CLAIMS >

LOCATION

MINING DISTRICT/AREA A30 < TYNDALL DISTRICT >
COUNTY A60 < SANTA CRUZ > STATE A50 < A, Z, > COUNTRY A40 < U, S, >
PHYSIOGRAPHIC PROV A63 < 1, 2, >
DRAINAGE AREA A62 < 1, 5, 0, 5, 0, 3, 0, 1, > LOWER COLORADO
QUADRANGLE NAME A90 < MT WRIGHTSON > (1, 9, 5, 8, 1, >
SECOND QUAD NAME A92 < MT HOPKINS > (1, 9, 8, 1, 1, >
ELEVATION A107 < 4, 8, 0, 0, > FEET
LAND STATUS A64 < 4, 1, > (1, 9, 7, 9, 1, >
QUADRANGLE SCALE A100 < 6, 2, 5, 0, 0, >
SECOND QUAD SCALE A91 < 2, 4, 0, 0, 0, >

UTM
NORTHING A120 < 3, 5, 0, 6, 7, 0, 0, >
EASTING A130 < 5, 0, 6, 7, 2, 5, >
ZONE NUMBER A110 < 1, 2, >

* ACCURACY
ACCURATE (ACC) (circle)
ESTIMATED EST < _____ >

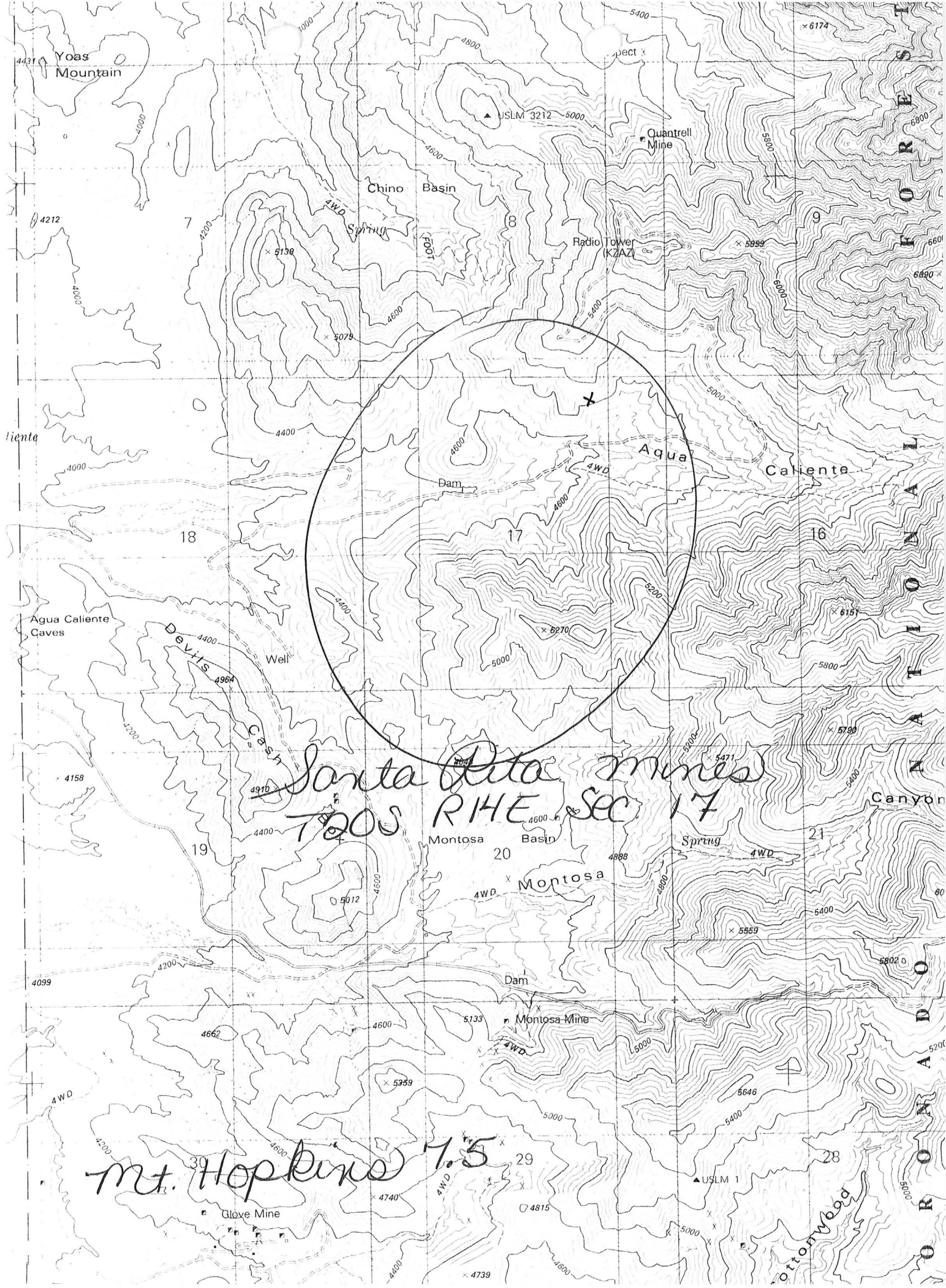
GEODETIC
LATITUDE A70 < 3, 1, - 4, 1, - 5, 0, N, >
LONGITUDE A80 < 1, 1, 0, - 5, 5, - 4, 5, W, >

CADAstral

TOWNSHIP(S) A77 < 0, 2, 0, 5, > RANGE(S) A78 < 0, 1, 4, E, >
SECTION(S) A79 < 17 >
SECTION FRACTION(S) A76 < SE OF NW >
MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 2.5 MILES WNW OF MT. HOPKINS >
LOCATION COMMENTS A83 < ON NORTH SIDE OF AGUA CALIENTE CANYON, 1/4 MILES NORTH OF MONTOSA MINE AND 1.0 MILE SOUTH OF QUANTRELL MINE (ELEPHANT HEAD GROUP) >

* ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED



Yoas Mountain

Chino Basin

Quantrell Mine

Radio Tower (KZAZ)

Agua Caliente

Dam

Agua Caliente Caves

Devils Cash

*Santa Rita Mines
7200s RIHE Sec 17*

Montosa Basin

Montosa

Montosa Mine

Mt. Hopkins 7.5

Glove Mine

Cottonwood