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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SONOITA PROSPECTS

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 204

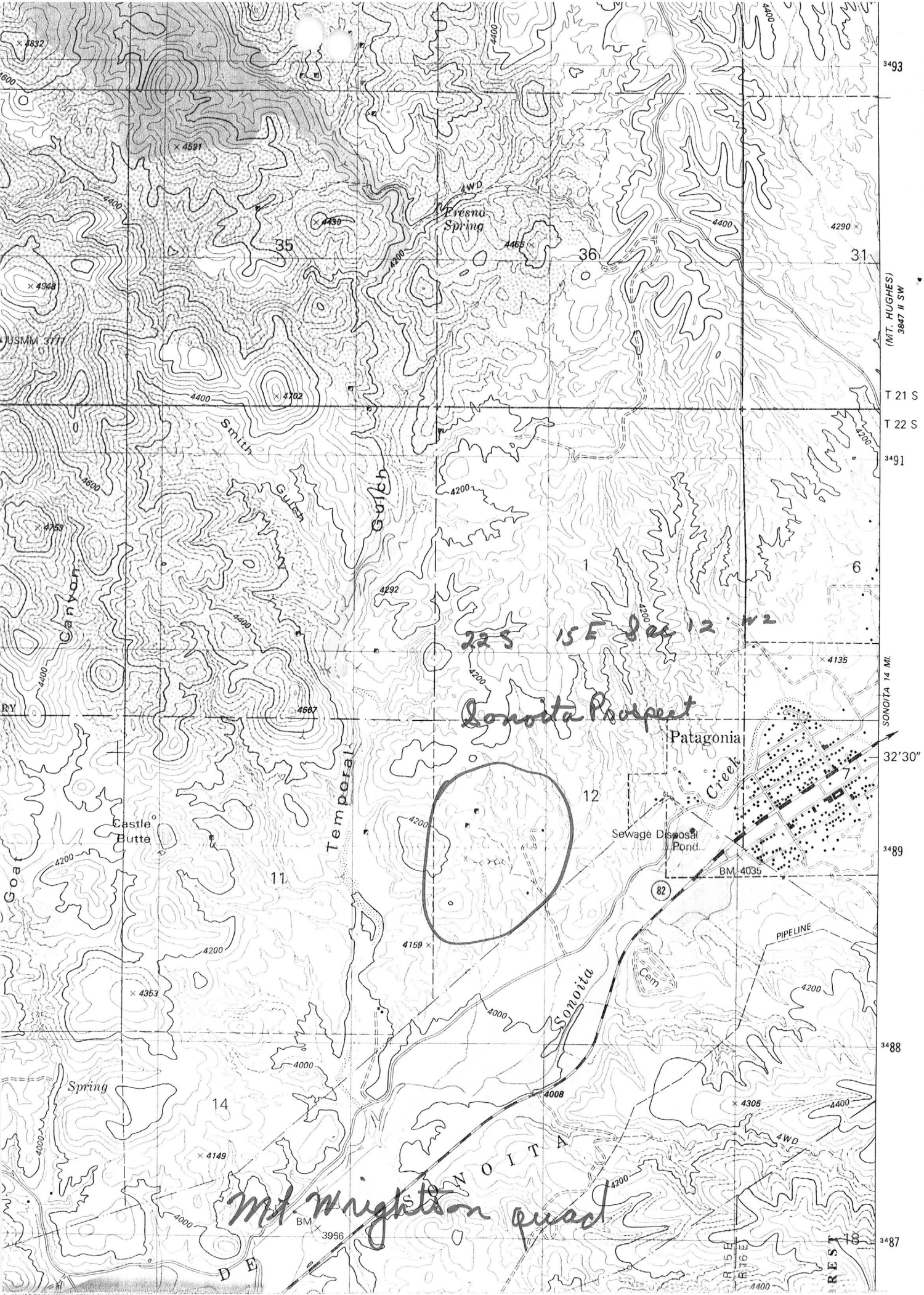
LOCATION: TOWNSHIP 22 S RANGE 15 E SECTION 12 QUARTER W2
LATITUDE: N 31DEG 32MIN 10SEC LONGITUDE: W 110DEG 46MIN 25SEC
TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
- LEAD OXIDE
- TUNGSTEN
- SILVER
- GOLD

BIBLIOGRAPHY:

- AZBM CARD FILE SANTA CRUZ CO.
- SCHRADER, F.C., 1915, USGS BULL. 582, P. 239
- ADMMR SONOITA PROSPECTS FILE



22S 15E Sec 12 W2
Sonoita Prospect
Mt. Wrightson quad
Fresno Spring
Smith Gulch
Temporal Gulch
Canyon
Goat
Castle Butte
Patagonia
Creek
Sewage Disposal Pond
BM 4035
82
PIPELINE
Cem
Sonoita
Spring
SONOITA
DE
REST
BM 3956
(MT. HUGHES) 3847 II SW
SONOITA 14 MI.
T 21 S
T 22 S
32'30"
35
36
31
2
1
6
12
7
11
14
18
4832
4591
4430
4465
4290
4948
USMM 3777
4702
4753
4292
4135
4567
4159
4353
4008
4305
4149
4400
4200
4000
4600

Sonita Mine file
By Ken A. Phillips

Santa Cruz County

In a JABA news release of April 14, 1997 by JABA president Donald A. Sharpe, it was reported that "At Maggies Canyon, Santa Cruz County, Arizona, a one-hole drill search for the source of the copper in a copper-oxide-rich spring near the Red Mountain porphyry copper occurrence did not live up to expectations, and the project was dropped."

Maggies Canyon is listed as an alternate name for the Sonita Mine as suggested by James A. Briscoe. It is one of two existing properties that are the best fit by location for the limited information available. The other is the Tres Mayo. Both are in Sec. 3, T23S, R15E

SONOITA PROSPECT 6/84

SANTA CRUZ COUNTY
IVANHOE DISTRICT
T22S R15E Sec 12

USGS Bull. 582 p. 239

MILS Santa Cruz Index # 204

USGS Map I-614 (1=48000)

USGS PP #748, p. 7-15

GC

* GENERAL REFERENCES

REFERENCE 1 F1 <USBM FILES, SONOITA PROSPECT>

REFERENCE 2 F2 <SCHRADER, F.C., 1915, USGS BULL. 582, p. 239>

REFERENCE 3 F3 <DREWES, H., 1971, USGS MAP I-614 (1:48000)>

REFERENCE 4 F4 <DREWES, H., 1972, USGS PROFESSIONAL PAPER 748, p. 7-15>

K5<CONTAINING CERUSSITE>

N15<WRIGHTSON FAULT BLOCKS>

N70<DOWNTHROW TO SOUTH>

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

*RECORD NUMBER B10 <>

*RECORD TYPE B20 <X 1 M>

DEPOSIT NUMBER B40 <>

*REPORT DATE G1 <82 04> YR. MO.

*INFORMATION SOURCE B30 <12>

*FILE LINK IDENT. B50 <USBM-0040230365>

*REPORTER(SUPERVISOR) G2 <CALDER SUSAN R. (last, first, middle initial)> (last, first, middle initial)

*REPORTER AFFILIATION G5 <ABGMT>

*SITE NAME A10 <SONOITA PROSPECT>

*SYNONYMS A11 <>

LOCATION

*MINING DISTRICT/AREA A30 <IVANHOE DISTRICT>

*COUNTY A60 <SANTA CRUZ>

*STATE A50 <AZ>

*COUNTRY A40 <U.S.>

*PHYSIOGRAPHIC PROV A63 <12>

*DRAINAGE AREA A62 <1505030 1 LOWER COLORADO>

*LAND STATUS A64 <41 (1979)>

*QUADRANGLE NAME A90 <MT. WRIGHTSON (1958)>

*QUADRANGLE SCALE A100 <62500>

SECOND QUAD NAME A92 <PATAGONIA (1981)>

SECOND QUAD SCALE A91 <24000>

+ELEVATION A107 <4160 FT>

UTM

*NORTHING A120 <3488850>

*EASTING A130 <521500>

*ZONE NUMBER A110 <+12>

*ACCURACY

ACCURATE ACC (circle)

ESTIMATED (EST) <USED USBM FILES; ABGMT FILES, STANTON B. KEITH>

GEODETIC

+LATITUDE A70 <31-32-10 N>

+LONGITUDE A80 <110-46-25 W>

CADASTRAL

+TOWNSHIP(S) A77 <022S>

+RANGE(S) A78 <015E>

+SECTION(S) A79 <12>

SECTION FRACTION(S) A76 <CENTER OF W2 OF W2>

MERIDIAN(S) A81 <GILA AND SALT RIVER>

+POSITION FROM NEAREST PROMINENT LOCALITY A82 <1.0 MILE WEST OF PATAGONIA>

+LOCATION COMMENTS A83 <1/2 MILE NW OF SONOITA CREEK, 1.0 MILE EAST OF CASTLE BUTTE>

* ESSENTIAL INFORMATION

+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 < Pb. W. Au. Mn. >
*ORE MINERALS C30 < CERUS[illegible] WULFENITE, PYROLUSITE, PSIL[illegible]NE >
COMMODITY SUBTYPES C41 <
*GEN. ANALYTICAL DATA C43 <
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

PRODUCER		NON-PRODUCER	
MAJOR PRODUCTS	MAJOR < >	MAIN COMMODITIES PRESENT C11	< Pb. Ag. >
MINOR PRODUCTS	MINOR < >	MINOR COMMODITIES PRESENT C12	< Au. W. >
POTENTIAL PRODUCTS	POTEN < >		
OCCURRENCES	OCCUR < >	OCCURRENCES	OCCUR < Mn. >

*PRODUCTION

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

EXPLORATION OR DEVELOPMENT

*STATUS

PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < >	STATUS AND ACTIVITY A20 < 2 >

*DISCOVERER L20 <
*YEAR OF DISCOVERY L10 < > *NATURE OF DISCOVERY L30 < > *YEAR OF FIRST PRODUCTION L40 < > *YEAR OF LAST PRODUCTION L45 <
*PRESENT/LAST OWNER A12 < W.T. POWERS (1915) >
*PRESENT/LAST OPERATOR A13 <
EXPL./DEV.COMMENTS L110 <

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 < SHEAR ZONE >
DEPOSIT FORM/SHAPE M10 < STRINGERS, IRREGULAR MASSES >
*DEPTH TO TOP M20 < > *UNITS M21 < > *MAXIMUM LENGTH M40 < > *UNITS M41 <
*DEPTH TO BOTTOM M30 < > *UNITS M31 < > *MAXIMUM WIDTH M50 < 2 > *UNITS M51 < FT >
*DEPOSIT SIZE M15 < (SMALL) > M15 < MEDIUM > M15 < LARGE > (circle one) *MAXIMUM THICKNESS M60 < > *UNITS M61 <
*STRIKE M70 < E-W > *DIP M80 < STEEPLY TO NORTH >
*DIRECTION OF PLUNGE M100 < > *PLUNGE M90 <
*DEP. DESC. COMMENTS M110 < SHEAR ZONE AVERAGES 2 FT IN WIDTH >

DESCRIPTION OF WORKINGS

*Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one) *OVERALL LENGTH M190 < > *UNITS M191 <
*DEPTH BELOW SURFACE M160 < 15 > *UNITS M161 < FT > *OVERALL WIDTH M200 < > *UNITS M201 <
*LENGTH OF WORKINGS M170 < > *UNITS M171 < > *OVERALL AREA M210 < > *UNITS M211 <
DESC. OF WORK. COM. M220 < OPENED BY A 15-FT SHAFT ; EXPLORATION PROSPECT >

GEOLOGY

*AGE OF HOST ROCK(S) K1 < TERT.-PALEO. >
*HOST ROCK TYPE(S) K1A < ANDESITIC FLOW >
*AGE OF IGNEOUS ROCK(S) K2 < TERT.-PALEO. >
*IGNEOUS ROCK TYPE(S) K2A < RHYOLITIC TUFF AND TUFFACEOUS SANDSTONE >
*AGE OF MINERALIZATION K3 < PALEO. >
*PERT. MINERALS (NOT ORE) K4 < LIMONITE, QUARTZ >
*ORE CONTROL/LOCUS K5 < STEEPLY DIPPING FAULT OR SHEAR ZONE CUTTING ANDESITE, PRINCIPALLY >
*MAJ. REG. TRENDS/STRUCT. N5 < RHYOLITE IS IN GENERAL OVERLAIN AND INTRUDED BY DARK ANDESITE >
*TECTONIC SETTING N15 < SALERO FAULT ZONE, SEPARATING GROSVENOR HILLS AND MOUNT >
*SIGNIFICANT LOCAL STRUCT. N70 < E-W TRENDING FAULT ON WHICH CASTLE BUTTE MINE GROUP IS LOCATED; >
*SIGNIFICANT ALTERATION N75 < ANDESITE IS CRUSHED AND ALTERED >
*PROCESS OF CONC./ENRICH. N80 < OXIDATION AND SUPERGENE ENRICHMENT >
*FORMATION AGE N30 <
*FORMATION NAME N30A <
SECOND FM AGE N35 <
SECOND FM NAME N35A <
*IGNEOUS UNIT AGE N50 < PALEO.? >
*IGNEOUS UNIT NAME N50A < GRINGO GULCH VOLCANICS- UPPER MEMBER >
SECOND IG. UNIT AGE N55 <
SECOND IG. UNIT NAME N55A <
GEOLOGY COMMENTS N85 < WULFENITE OCCURS IN REDDISH-YELLOW COLUMNAR CRYSTALS WITH TRUNCATED FACES ; MANGANESE OCCURS IN BOTH MASSIVE AND CRYSTALLINE FORMS >

GENERAL COMMENTS

GENERAL COMMENTS GEN <