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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LAST CHANCE MINE

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 227

LOCATION: TOWNSHIP 21 S RANGE 15 E SECTION 22 QUARTER NW
LATITUDE: N 31DEG 36MIN 04SEC LONGITUDE: W 110DEG 48MIN 21SEC
TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER OXIDE

COPPER OXIDE

BIBLIOGRAPHY:

KEITH, S.B., 1975 AZBM INDEX OF MINING PROP.
IN SANTA CRUZ CO., BULL. 191, P. 90
AZBM CARD FILE SANTA CRUZ CO.
USGS PP 748, P. 14-15
ADMMR LAST CHANCE MINE FILE

GENERAL REFERENCES

REFERENCE 1 F1 < USBM - ABGMT PRODUCTION FILE DATA

REFERENCE 2 F2 < USBM FILE DATA - CLUSTER # 109, LAS CHANCE MINE

REFERENCE 3 F3 < KEITH, S.B., 1975, ABM BULL 191, p. 90

REFERENCE 4 F4 < ROHRBACHER ROBERT G. 1964 THE GEOLOGY OF THE TEMPORAL GULCH-MANSFIELD CANYON AREA, SANTA CRUZ COUNTY, ARIZONA; M.S. THESIS, UNIVERSITY OF ARIZONA, p. 70-71

F5 < ABGMT FILES STANTON B. KEITH >
 F6 < DREWES H., 1971 USGS MAP I-614 (1:48000) >
 F7 < DREWES, H., 1972, USGS PROFESSIONAL PAPER 748, p. 14-15 >

K5 < AND DACITIC - LATITIC FLOWS >

N5 < AND GRANITE PORPHYRY >

N70 < AND SPLIT PARALLEL TO THE PLANE OF THE VEIN >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < _____ > RECORD TYPE B20 < X, I, M > DEPOSIT NUMBER B40 < _____ >
 REPORT DATE G1 < 8.2.03 > INFORMATION SOURCE B30 < 1.2 > FILE LINK IDENT. B50 < USBM-004 023 0427 >
 YR. MO.
 REPORTER(SUPERVISOR) G2 < LARABA, PETER > (last, first, middle initial) (CALDER, SUSAN) (last, first, middle initial)
 REPORTER AFFILIATION G5 < ABGMT > SITE NAME A10 < LAST CHANCE MINE >
 SYNONYMS A11 < _____ >

LOCATION

MINING DISTRICT/AREA A30 < MANSFIELD DISTRICT >
 COUNTY A60 < SANTA CRUZ > STATE A50 < AZ > COUNTRY A40 < U.S. >
 PHYSIOGRAPHIC PROV A63 < 1.2.4 >
 DRAINAGE AREA A62 < 1.5.0.5.0.3.0.1.4. LOWER COLORADO >
 QUADRANGLE NAME A90 < PATAGONIA, ARIZ > (1.9.8.1.1) LAND STATUS A64 < 4.1.4.1.4. (1.9.7.9.1) >
 SECOND QUAD NAME A92 < MT. WRIGHTSON > (1.9.5.8.1) QUADRANGLE SCALE A100 < 24.000 >
 ELEVATION A107 < 4.800.4 FT. > SECOND QUAD SCALE A91 < 62500 >

UTM
 NORTHING A120 < 3.4.9.6.1.0.0 >
 EASTING A130 < 5.1.8.4.5.0 >
 ZONE NUMBER A110 < 1.2 >

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

GEODETIC
 LATITUDE A70 < 31-36-0.5 N >
 LONGITUDE A80 < 110-48-20 W >

CADASTRAL

TOWNSHIP(S) A77 < 02.1 S. > RANGE(S) A78 < 01 S.E. >
 SECTION(S) A79 < 15 >
 SECTION FRACTION(S) A76 < SW OF SW OF SW >
 MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 3.3 MILES ENE OF SALERO MIN. >
 LOCATION COMMENTS A83 < 1/2 MILE WEST OF DRIPPING SPRING WHICH IS ON A WESTERN TRIBUTARY OF TEMPORAL GULCH; 1.0 MILE SOUTH OF MANSFIELD MINE GROUP >

• ESSENTIAL INFORMATION
 • ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 Ag, Cu
ORE MINERALS C30 CHALCOPIRITE, TETRAHEDRITE
COMMODITY SUBTYPES C41
GEN. ANALYTICAL DATA C43 ORE VALUES AVERAGED ABOUT 5.5 OZ./TON Ag AND 1.6% Cu
COM. INFO. COMMENTS C50

SIGNIFICANCE

MAJOR PRODUCTS MAJOR Ag, Cu
MINOR PRODUCTS MINOR
POTENTIAL PRODUCTS POTEN
OCCURRENCES OCCUR

NON-PRODUCER

MAIN COMMODITIES PRESENT C11
MINOR COMMODITIES PRESENT C12
OCCURRENCES OCCUR

*PRODUCTION

PRODUCTION YES (circle one) *PRODUCTION SIZE SMALL MED LGE (circle one)

NON-PRODUCER

PRODUCTION UND NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER

NON-PRODUCER

STATUS AND ACTIVITY A20 H

STATUS AND ACTIVITY A20 L

DISCOVERER

L20

YEAR OF DISCOVERY

L10

NATURE OF DISCOVERY L30 B

YEAR OF FIRST PRODUCTION L40

1957

YEAR OF LAST PRODUCTION L45

1957

PRESENT/LAST OWNER

A12

PRESENT/LAST OPERATOR

A13

G. BARTLETT AND R. LINTON (1957)

EXPL./DEV. COMMENTS

L110

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 VEIN
DEPOSIT FORM/SHAPE M10 STRINGERS, DISSEMINATIONS
DEPTH TO TOP M20 UNITS M21
DEPTH TO BOTTOM M30 UNITS M31
DEPOSIT SIZE M15 SMALL M15 MEDIUM M15 LARGE (circle one)
STRIKE M470 E-W
DIRECTION OF PLUNGE M4100
DIP M480
PLUNGE M490
*DESC. COMMENTS M110 DISSEMINATIONS AND STRINGERS OF OXIDIZED COPPER AND SILVER MINERALIZATION OCCUR WITHIN VEIN

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
DEPTH BELOW SURFACE M160 UNITS M161
LENGTH OF WORKINGS M170 UNITS M171
DESC. OF WORK. COM. M220 TUNNEL OPERATIONS
OVERALL LENGTH M190
OVERALL WIDTH M200
OVERALL AREA M210
UNITS M191
UNITS M201
UNITS M211

GEOLOGY

*AGE OF HOST ROCK(S) K1 JUR 145 m.y. BY K-AR DATING METHOD (DREWES, H., 1971)
*HOST ROCK TYPE(S) K1A COARSE-GRAINED GRANITE AND QUARTZ MONZONITE
*AGE OF IGNEOUS ROCK(S) K2 J.R.I.
*IGNEOUS ROCK TYPE(S) K2A DACITIC AND LATITIC FLOWS
*AGE OF MINERALIZATION K3 LCRET.
*PERT. MINERALS (NOT ORE) K4 QUARTZ, CALCITE, BARITE, HEMATITE
*ORE CONTROL/LOCUS K5 E-W TRENDING QUARTZ FISSURE VEIN ALONG CONTACT BETWEEN GRANITE
*MAJ. REG. TRENDS/STRUCT. N5 NE-TRENDING, ROUGHLY PARALLEL QUARTZ FISSURE VEINS CUTTING MONZONITE,
*TECTONIC SETTING N15 MOUNT WRIGHTSON FAULT BLOCK - NEAR SANTA RITA FAULT SCAR
*SIGNIFICANT LOCAL STRUCT. N70 SOME VEINS IN AREA ARE COMPOSED OF 1/2-2 INCH LAYERS OF ROCK THAT WEATHER
*SIGNIFICANT ALTERATION N75 GRANITE WALL ROCK IS HIGHLY SERICITIZED
*PROCESS OF CONC./ENRICH. N80 OXIDATION AND ENRICHMENT NEAR SURFACE
*FORMATION AGE N30
*FORMATION NAME N30A
*SECOND FM AGE N35
*SECOND FM NAME N35A
*IGNEOUS UNIT AGE N50 JUR
*IGNEOUS UNIT NAME N50A SQUAW GULCH GRANITE
*SECOND IG. UNIT AGE N55 J.R.I.
*SECOND IG. UNIT NAME N55A MOUNT WRIGHTSON FORMATION - LOWER MEMBER
*GEOLOGY COMMENTS N85

GENERAL COMMENTS

GENERAL COMMENTS GEN