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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: VICEROY MINE

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 213

LOCATION: TOWNSHIP 21 S RANGE 15 E SECTION 17 QUARTER SW
LATITUDE: N 31DEG 36MIN 12SEC LONGITUDE: W 110DEG 50MIN 26SEC
TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
- COPPER SULFIDE
- LEAD SULFIDE
- COPPER OXIDE
- SILVER
- POTASH ALUM
- ALUMINUM ALUM

BIBLIOGRAPHY:

- USGS MT WRIGHTSON QUAD
- AZBM CARD FILE
- USBM FIELD NOTES PB 626
- SCHRADER, F.C., 1914, USGS BULL. 582, P. 214
- USGS PP 748, P. 11-12
- ADMMR VICEROY MINE FILE

VICEROY MINE 9/84 SANTA CRUZ COUNTY
TYNDALL DISTRICT
T21S R15E Sec. 17

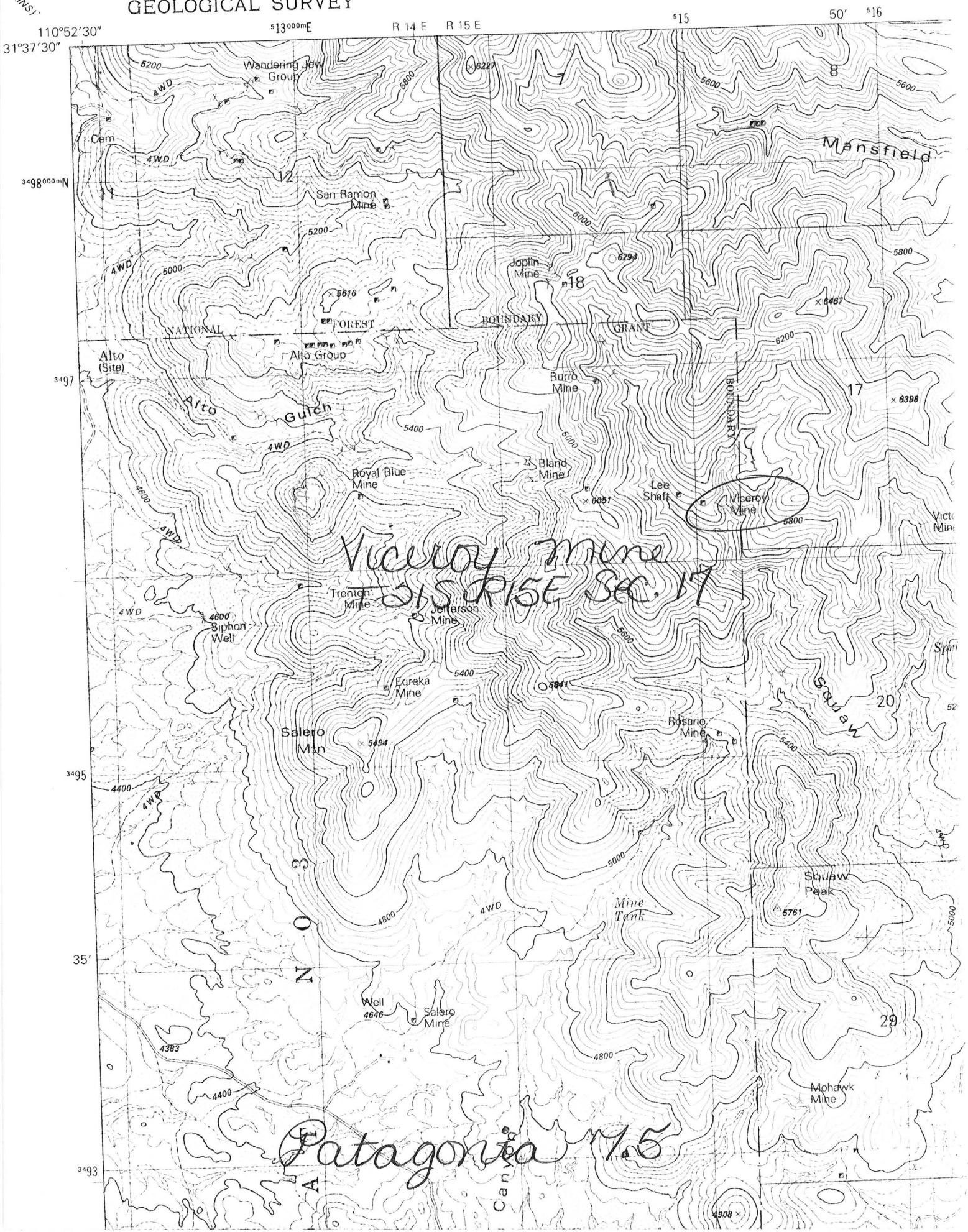
MILS Santa Cruz Indes #213

USGS Bull. 582, p. 214

USGS PP 748, p. 11-12

Patagonia 7.5 (included in file)

UNITED STATES
DEPARTMENT OF THE I. ERIOR
GEOLOGICAL SURVEY



* GENERAL REFERENCES

REFERENCE 1 F1 < USBM FILES, VICEROY MINE

REFERENCE 2 F2 < ABGMT CLIPPINGS FILE, VICEROY MINING CO.

REFERENCE 3 F3 < SCHRADER, F.C., 1915, USGS BULL. 582, p. 214

REFERENCE 4 F4 < DREWES, H., 1971, USGS MAP I-614 (1:48000)

F5 < DREWES H. 1972 USGS PROFESSIONAL PAPER 748, p. 11-12 >
F6 < ABGMT FILES, STANTON B. KEITH >

N5 < DIORITE >

N70 < WESTWARD AS MAIN BLAND VEIN >

D10 < NO PRODUCTION DATA IS AVAILABLE >

mid # 213

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

*RECORD NUMBER B10 <>
*RECORD TYPE B20 < X M >
DEPOSIT NUMBER B40 <>
*REPORT DATE G1 < 8 2 0 4 > (YR. MO.)
*INFORMATION SOURCE B30 < 1 2 >
+FILE LINK IDENT. B50 < USBM-0040230395 >

*REPORTER(SUPERVISOR) G2 < CALDER, SUSAN R. > (last, first, middle initial) ( ) (last, first, middle initial)
*REPORTER AFFILIATION G5 < ABGMT >
*SITE NAME A10 < VICEROY MINE >
*SYNONYMS A11 <>

LOCATION

*MINING DISTRICT/AREA A30 < SALERO 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 >
*LAND STATUS A64 < 0 1 (1 9 7 9) >
*QUADRANGLE NAME A90 < PATAGONIA (1 9 8 1) >
*QUADRANGLE SCALE A100 < 2 4 0 0 0 >
SECOND QUAD NAME A92 < MT. WRIGHTSON (1 9 5 8) >
SECOND QUAD SCALE A91 < 6 2 5 0 0 >
*ELEVATION A107 < 5 4 5 5 F T >

UTM

*NORTHING A120 < 3 4 9 6 3 0 0 >
*EASTING A130 < 5 1 5 1 0 0 >
*ZONE NUMBER A110 < + 1 2 >

*ACCURACY

ACCURATE ACC (circle)
ESTIMATED EST <>

GEODETIC

+LATITUDE A70 < 3 1 - 3 6 - 1 2 N >
+LONGITUDE A80 < 1 1 0 - 5 0 - 2 7 W >

CADASTRAL

*TOWNSHIP(S) A77 < 0 2 1 S >
+RANGE(S) A78 < 0 1 5 E >
*SECTION(S) A79 < 18 (19) >
*SECTION FRACTION(S) A76 < NW OF SW OF SW >
*MERIDIAN(S) A81 < GILA AND SALT RIVER >

*POSITION FROM NEAREST PROMINENT LOCALITY A82 < 1.5 MILES NE OF SALERO MTN ; 7 MILES NW OF PATAGONIA >
*LOCATION COMMENTS A83 < 1/2 MILE EAST OF BLAND MINE ; 3/4 MILE NORTH OF ROSARIO MINE ; SQUAW GULCH ON EAST SIDE >

* ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 <Pb Cu
*ORE MINERALS C30 < GALENA, CHALCOCITE, MALACHITE, CHALCOPYRITE, BORNITE
COMMODITY SUBTYPES C41 <
*GEN. ANALYTICAL DATA C43 <
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

	PRODUCER	NON-PRODUCER
MAJOR PRODUCTS	MAJOR <Pb Ag>	MAIN COMMODITIES PRESENT C11 < >
MINOR PRODUCTS	MINOR <Cu>	MINOR COMMODITIES PRESENT C12 < >
POTENTIAL PRODUCTS	POTEN < >	
OCCURRENCES	OCCUR < >	OCCURRENCES OCCUR < >

*PRODUCTION

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

*STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 <4>	STATUS AND ACTIVITY A20 < >

*DISCOVERER L20 <
*YEAR OF DISCOVERY L10 < > *NATURE OF DISCOVERY L30 < > *YEAR OF FIRST PRODUCTION L40 < > *YEAR OF LAST PRODUCTION L45 <
*PRESENT/LAST OWNER A12 < R.R. HANSEN AND ASSOCIATES (1965)
*PRESENT/LAST OPERATOR A13 <
EXPL./DEV.COMMENTS L110 < OWNERS AND OPERATORS INCLUDED FRANK H. BAACK (1915), GEORGE CLARK AND JENS PETERSON (PRIOR TO 1915), VICEROY MINING CO.; PROPERTY COMPRISES 8 UNPATENTED CLAIMS

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 < VEIN
DEPOSIT FORM/SHAPE M10 < TABULAR
*DEPTH TO TOP M20 < > *UNITS M21 < > *MAXIMUM LENGTH M40 < > *UNITS M41 <
*DEPTH TO BOTTOM M30 < > *UNITS M31 < > *MAXIMUM WIDTH M50 < 75 > *UNITS M51 < FT
*DEPOSIT SIZE M15 (SMALL) M15 <MEDIUM> M15 <LARGE> (circle one) *MAXIMUM THICKNESS M60 < > *UNITS M61 <
*STRIKE M70 < N 75 W > *DIP M80 < VERTICAL
*DIRECTION OF PLUNGE M100 < > *PLUNGE M90 <
*DEP. DESC. COMMENTS M110 < FISSURE VEINS RANGE IN WIDTH FROM 6-75 FT.

DESCRIPTION OF WORKINGS

*Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one) *OVERALL LENGTH M190 < > *UNITS M191 <
*DEPTH BELOW SURFACE M160 < 70 > *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 300-FT. LONG TUNNEL THAT CONNECTS WITH A 70-FT. SHAFT

GEOLOGY

*AGE OF HOST ROCK(S) K1 < J.U.R. 145 m.y. BY K-AR DATING METHOD (DREWES, H., 1971)
*HOST ROCK TYPE(S) K1A < COARSE-GRAINED GRANITE PORPHYRY
*AGE OF IGNEOUS ROCK(S) K2 < J.U.R.
*IGNEOUS ROCK TYPE(S) K2A < GRANITE AND QUARTZ MONZONITE
*AGE OF MINERALIZATION K3 < L.C.R.E.T.
*PERT. MINERALS (NOT ORE) K4 < QUARTZ GANGUE; WATER FROM VEIN DEPOSITS ALUM
*ORE CONTROL/LOCUS K5 < NW-TRENDING VERTICAL QUARTZ FISSURE VEIN IN GRANITE PORPHYRY
*MAJ. REG. TRENDS/STRUCT. N5 < NE- AND E-W TRENDING QUARTZ FISSURE VEINS IN GRANITE PORPHYRY AND QUARTZ
*TECTONIC SETTING N15 < SALERO FAULT BLOCK
*SIGNIFICANT LOCAL STRUCT. N70 < VEIN IS TRACEABLE WESTWARD INTO SQUAW GULCH; APPARENTLY CONTINUES
*SIGNIFICANT ALTERATION N75 < SURFACE OXIDATION TO UNKNOWN DEPTHS
*PROCESS OF CONC./ENRICH. N80 < SECONDARY ENRICHMENT
*FORMATION AGE N30 <
*FORMATION NAME N30A <
SECOND FM AGE N35 <
SECOND FM NAME N35A <
*IGNEOUS UNIT AGE N50 < J.U.R.
*IGNEOUS UNIT NAME N50A < SQUAW GULCH GRANITE
SECOND IG. UNIT AGE N55 < L.C.R.E.T.
SECOND IG. UNIT NAME N55A < JOSEPHINE CANYON DIORITE
GEOLOGY COMMENTS N85 < TO WEST OF CLAIM, VEIN CUTS QUARTZ DIORITE COUNTRY ROCK

GENERAL COMMENTS

GENERAL COMMENTS GEN < INCLUDED IN BACA FLOAT MINERAL SEGREGATION WHICH CONSISTS OF JEFFERSON, ALTO, BLAND, SALERO, VICEROY, TRENTON, MONTEZUMA, ROYAL BLUE, EUREKA, AND 8 LESS PROMINENT MINES; OWNED BY R.R. HANSEN >