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11/10/94

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: AMERICAN

ALTERNATE NAMES:

VIRGINIA HAY CLAIMS
AMERICAN MILLSITE CLAIM

SANTA CRUZ COUNTY MILS NUMBER: 17B

LOCATION: TOWNSHIP 23 S RANGE 16 E SECTION 4 QUARTER SW
LATITUDE: N 31DEG 27MIN 16SEC LONGITUDE: W 110DEG 43MIN 23SEC
TOPO MAP NAME: LOCHIEL - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER
LEAD
ZINC
STONE DIMENSION
GOLD

BIBLIOGRAPHY:

INDEX TO MINING PROP. IN SANTA CRUZ CO.
ADMMR AMERICAN MINE FILE

AMERICAN MINE (FILE)

8/84

SANTA CRUZ COUNTY
HARSHAW DISTRICT
T23S R16E Sec. 04

MILS Santa Cruz Index #17B

~~Geology File - Moore, Richard R., 1972~~

USGS Bull. 582, p. 277-278

USGS PP 658-E, p. 8-9

ABM Bull. 191, p. 56

Harshaw, AZ 7.5 map (included in file)

AKA: Virginia Hay Claims, American Millsite Claims

REFERENCE 1 FI USBM FILES, AMER N MINE

REFERENCE 2 P2/ ARG-MT-USB FILE CATE

REFERENCE 3 F3 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, p. 74

REFERENCE 4 P4 (SIMON, FRANK S. 1974 GEOLOGIC MAP AND SECTIONS OF THE NOGALES AND LOCHIEL QUADRANGLE, SANTA CRUZ COUNTY, ARIZONA; USGS MAP I-762 (1:48000))

N5 < STRUCTURE AND BANDING >

N70 < INTRUSIVE PORPHYRYTIC BRECCIATED RHYOLITE >

D 10 < PRODUCED INTERMITTENTLY FROM 1880'S TO 1943: ABOUT 7800 TONS OF ORE >

F5 < SCHRAMER, FRANK C., 1915 MINERAL DEPOSITS OF THE SANTA RITA AND PATAGONIA MOUNTAINS, ARIZONA. USGS BULLETIN 582, p. 277-278. ✓

FILE < KEITH STANTON R. 1975 INDEX OF MINING PROPERTIES IN SANTA CRUZ COUNTY, ARIZONA;
ARIZONA BUREAU OF MINES BULLETIN 191, p. 56 >

F7 < ARGMT FILE DATA STANTON B. KEITH >

F 8 < SIMONS, FRANK S., 1972. MESOZOIC STRATIGRAPHY OF THE PATAGONIA MOUNTAINS AND ADJOINING AREAS, SANTA CRUZ COUNTY, ARIZONA; USGS PROFESSIONAL PAPER 658-F, p. 8-9 >

F9< ABGMT CLIPPINGS FILE, AMERICAN MINE - PATAGONIA >

F10< ARIZONA DEPARTMENT OF MINERAL RESOURCES FILE DATA BIG JIM MINE>

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 82.03 RECORD TYPE B20 X, 1, M DEPOSIT NUMBER B40 US8M-004023 0030
REPORT DATE G1 82.03 INFORMATION SOURCE B30 1, 2 FILE LINK IDENT. B50 US8M-004023 0030
YR MO

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

REPORTER AFFILIATION G5 < ABG-MT > SITE NAME A10 < AMERICAN MINE
SYNONYMS A11 < VIRGINIA HAY CLAIMS - AMERICAN MILLSITE CLAIM

LOCATION

MINING DISTRICT/AREA	A30 < HARSHAW DISTRICT		STATE A50 < A.Z		COUNTRY A40 < U.S.
COUNTY	A60 < SANTA CRUZ	>			
PHYSIOGRAPHIC PROV	A63 < I.L.V.				
DRAINAGE AREA	A62 < 1.32503 Q.I.V. LOWER COLORADO	>	LAND STATUS	A64 < 4.I.V. • V.I. 1979	
QUADRANGLE NAME	A70 < LOCHIEL	(1.958)	QUADRANGLE SCALE	A100 < 162500	
SECOND QUAD NAME	A92 < _____	(_____)	SECOND QUAD SCALE	A91 < _____	
ELEVATION	A107 < 5450 F.T.				

UTM

NORTHING A120 (3479800)

EASTING A130 (526350)

ZONE NUMBER A110 (12)

"ACCURACY

ACCURATE (ACC) (circle)

ESTIMATED EST _____

GEODETIC

LATITUDE A70 (31-27-15N)

LONGITUDE A80 (110-43-22W)

CADASTRAL

TOWNSHIP(S) A77 (0235) RANGE(S) A78 (016E)
SECTION(S) A79 (04)
SECTION FRACTION(S) A76 (SW OF SW) OF SW
MERIDIAN(S) A81 (GILA AND SALT RIVER)

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 13 MILES SOUTH OF PATAGOLIA ; 1.5 MILES SSW OF HARSHAW
LOCATION COMMENTS A83 < LOCATED IN SHORT, STEEP GULCH ON NW SLOPE OF AMERICAN PEAK

- ESSENTIAL INFORMATION
- ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 Ag, Zn, Pb, Cu, Mn
 ORE MINERALS C30 CERARGYRITE, ALCOPIRITE, ARGENTITE, PYRITE, SPALLERITE, GALENA, TETRAHEDRITE
 COMMODITY SUBTYPES C41
 GEN. ANALYTICAL DATA C43 ASSAY VALUES AVERAGED 21.02 TON AG, 2% Pb, MINOR CU AND AU
 COM. INFO. COMMENTS C50

SIGNIFICANCE

PRODUCER
 MAJOR PRODUCTS MAJOR Ag, Pb, Zn, Au
 MINOR PRODUCTS MINOR Cu, Zn, Au
 POTENTIAL PRODUCTS POTEN
 OCCURRENCES OCCUR Mn

NON-PRODUCER

MAIN COMMODITIES PRESENT C11
 MINOR COMMODITIES PRESENT C12
 OCCURRENCES OCCUR

PRODUCTION

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

NON-PRODUCER

PRODUCTION UND NO (circle one)

STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER
 STATUS AND ACTIVITY A20 4

NON-PRODUCER
 STATUS AND ACTIVITY A20 1

DISCOVERER L20
 YEAR OF DISCOVERY L10 1830 NATURE OF DISCOVERY L30 B YEAR OF FIRST PRODUCTION L40 1830 YEAR OF LAST PRODUCTION L45 1943
 PRESENT/LAST OWNER A12 VIRGINIA HAY (?-1974)
 PRESENT/LAST OPERATOR A13
 EXPL./DEV. COMMENTS L110 OPERATORS INCLUDED TONY GARCIA, MARCIA BROTHERS, AMERICAN LEASE, GIACOMA; PROPERTY COMPRISES ONE PATENTED CLAIM AND ONE PATENTED MINE SITE CLAIM

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 VEIN, REPLACEMENT
 DEPOSIT FORM/SHAPE M10 LENSES, POCKETS
 DEPTH TO TOP M20 UNITS M21 FT MAXIMUM LENGTH M40 150 UNITS M41 FT
 DEPTH TO BOTTOM M30 UNITS M31 FT MAXIMUM WIDTH M50 30 UNITS M51 FT
 DEPOSIT SIZE M15 SMALL M15 MEDIUM M15 LARGE (circle one) MAXIMUM THICKNESS M60 UNITS M61
 STRIKE M70 WNW DIP M80 N
 DIRECTION OF PLUNGE M100 PLUNGE M90
 REP. DESC. COMMENTS M110 MOST ORE MINED FROM LENS THAT DIPS N AND IS 75 FT LONG AND 14 FT WIDE

DESCRIPTION OF WORKINGS

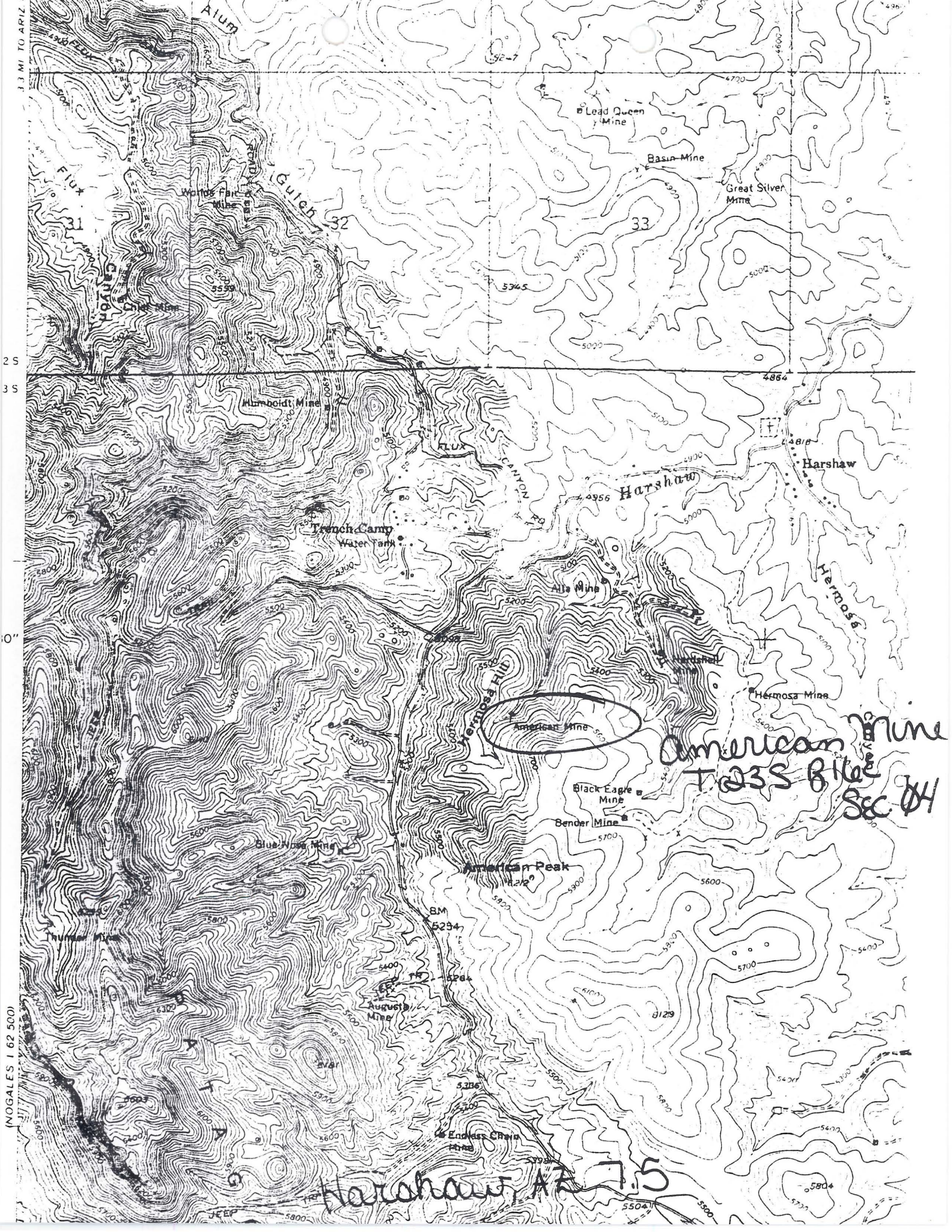
Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
 DEPTH BELOW SURFACE M160 112 UNITS M161 FT OVERALL LENGTH M190 UNITS M191
 LENGTH OF WORKINGS M170 500 UNITS M171 FT OVERALL WIDTH M200 UNITS M201
 DESC. OF WORK. COM. M220 DEVELOPMENTS INCLUDED 3 90-FT. SHAFTS ALL CONNECTED ON 90-FT LEVEL BY DRIFTS; GLORY HOLE OPERATIONS OPENING VIEW FOR LENGTH OF 150 FT AND WIDTH OF 50 FT; 200 FT OF DRIFTS AND STOPS; ALMOST ALL ORE MINED BETWEEN SURFACE AND 90-FT LEVEL

GEOLOGY

* AGE OF HOST ROCK(S) K1 L.C.R.E.T. 72.1 ± 3 my (SIMONS, F.S., 1974)
 * HOST ROCK TYPE(S) K1A TRACHYANDESITE OR DOREITE
 * AGE OF IGNEOUS ROCK(S) K2 J.R.L.-J.U.R.
 * IGNEOUS ROCK TYPE(S) K2A LIGHT-COLORED RHYOLITIC AND ALKALI RHYOLITE LAVA, TUFF, AND WELDED TUFF
 * AGE OF MINERALIZATION K3 L.C.R.E.T.-T.E.R.T.
 * PERT. MINERALS (NOT ORE) K4 MANGANESE-STAINED QUARTZ
 * ORE CONTROL/LOCUS K5 WNW-TRENDING QUARTZITIC FISSURE VEIN PARALLELING SILICIFIED SHEAR ZONE
 * MAJ. REG. TRENDS/STRUCT. N6 SEDIMENTARY ROCKS DIP STEEPLY TO SE; RHYOLITE SHOWS N-S VERTICAL FLOW
 * TECTONIC SETTING N15 AMERICAN MINE FAULT BLOCK (SIMONS, F.S., 1974); UPTHROW TO NE
 * SIGNIFICANT LOCAL STRUCT. N70 MINE WORKINGS ON CONTACT BETWEEN SILICIFIED LIMESTONE, OR QUARTZITE, AND
 * SIGNIFICANT ALTERATION N75 SURFACE OXIDATION TO 90-FT. DEPTH
 * PROCESS OF CONC./ENRICH. N80 REPLACEMENT OF RHYOLITE BY ORE MINERALS, CONCENTRATED IN LENSES AND POCKET
 * FORMATION AGE N30
 * FORMATION NAME N30A
 * SECOND FM AGE N35
 * SECOND FM NAME N35A
 * IGNEOUS UNIT AGE N50 J.R.L.-J.U.R.
 * IGNEOUS UNIT NAME N50A CHIEF CONGLOMERATE, CHIEF RHYOLITE BRECCIA AND LIMESTONE UNITS
 * SECOND IG. UNIT AGE N55
 * SECOND IG. UNIT NAME N55A
 * GEOLOGY COMMENTS N85 RHYOLITE LOCALLY MIXED ALTERED TO SERPENTINE, EPIDOTE, CARBONATE, AND CHLORITE; SPOTTY HIGH GRADE SILVER VALUES IN OXIDIZED SURFACE ZONE

GENERAL COMMENTS

GENERAL COMMENTS GEN SEE ALSO - BLUE NOSE MINE (ALSO OWNED BY VIRGINIA HAY)



3.3 MI TO ARIZ

2 S
3 S

0"

(NOGALES 1 62 500)

Harshaw AZ 7.5