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10/28/94

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: ALFONSO VILLY

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 2

LOCATION: TOWNSHIP 24 S RANGE 16 E SECTION 16 QUARTER SE
LATITUDE: N 31DEG 20MIN 08SEC LONGITUDE: W 110DEG 42MIN 39SEC
TOPO MAP NAME: LOCHIEL - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
COPPER SULFIDE

BIBLIOGRAPHY:

AZBM CARD FILE SANTA CRUZ COUNTY
SCHRADER, F.C., 1915, USGS BULL. 582, P. 347
ADMMR ALFONSO VILLY MINE FILE

REFERENCE 1 P1 < USBM FILE DATA CLUSTER #5 >

REFERENCE 2 P2 < SCHRADER, F.C., 1915, USGS BULL, 582, p. 347. >

REFERENCE 3 P3 < SIMONS, FRANK S., 1974, GEOLOGIC MAP AND SECTIONS OF THE NOGALES AND LOCHIEL QUADRANGLES, SANTA CRUZ COUNTY, ARIZONA; USGS MAP I-762 (1:48000) >

REFERENCE 4 P4 < >

N5 < DIORITE, AND APLITIC GRANITE >

N70 < AND COVELLITE >

mile #2

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. B60 < USBM-004023 0094 >

REPORTER (SUPERVISOR) G2 < LARBA PETER (last, first, middle initial) > < CALDER SUSAN (last, first, middle initial) >

REPORTER AFFILIATION G6 < ARGNT > SITE NAME A10 < ALFONSO VILLY MINE >

SYNONYMS A11 < >

LOCATION

MINING DISTRICT/AREA A30 < QUERCES DISTRICT >

COUNTY A60 < SANTA CRUZ > STATE A60 < 1.2 > COUNTRY A40 < U.S. >

PHYSIOGRAPHIC PROV A63 < 1.2.1 >

DRAINAGE AREA A62 < 1.5.0.5.0.3.0.1.V. LOWER COLORADO >

QUADRANGLE NAME A90 < DUGUESNE (1.9.5.8.) > LAND STATUS A64 < 4.1.V. (1.9.7.8.) >

SECOND QUAD NAME A92 < LOCHIEL (1.9.5.8.) > QUADRANGLE SCALE A100 < 2.4.0.0. >

ELEVATION A107 < 1.8.4.V.M. > SECOND QUAD SCALE A91 < 6.2.5.0. >

UTM

NORTHING A120 < 3.4.6.6.5.0 >

EASTING A130 < 2.7.5.0.0 >

ZONE NUMBER A110 < 1.2 >

ACCURACY

ACCURATE ACC (circle)

ESTIMATED USED SCHRADER (1915) AND USBM FILES

GEODETC

LATITUDE A70 < 3.1-20-0.8.N >

LONGITUDE A80 < 1.10-42-39.W >

CADASTRAL

TOWNSHIP(S) A77 < 0.2.4.S. > RANGE(S) A78 < 0.1.6.E. >

SECTION(S) A79 < 16 >

SECTION FRACTION(S) A76 < SE >

MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < WEST OF THE BENTON MINE >

LOCATION COMMENTS A83 < 1/4 MILE E-NE OF INTERNATIONAL-BOUNDARY POST 114 >

COMMODITIES PRESENT C10 PYRITE, CHALCOITE, COVELLITE
 ORE MINERALS C30 PYRITE, CHALCOITE, COVELLITE
 COMMODITY SUBTYPES C41
 GEN. ANALYTICAL DATA C43
 COM. INFO. COMMENTS C80

* SIGNIFICANCE

MAJOR PRODUCTS MAJOR	PRODUCER	NON-PRODUCER
MINOR PRODUCTS MINOR		MAIN COMMODITIES PRESENT C11 <input checked="" type="checkbox"/> CU
POTENTIAL PRODUCTS POTEN		MINOR COMMODITIES PRESENT C12
OCCURRENCES OCCUR		OCCURRENCES OCCUR

* PRODUCTION

PRODUCTION YES (circle) PRODUCTION SIZE SMALL MED LARGE (circle one)

NON-PRODUCER PRODUCTION NO (circle one)

* STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER STATUS AND ACTIVITY A20

NON-PRODUCER STATUS AND ACTIVITY A20

DISCOVERER L20
 YEAR OF DISCOVERY L10
 NATURE OF DISCOVERY L30 B
 YEAR OF FIRST PRODUCTION L40
 YEAR OF LAST PRODUCTION L45
 PRESENT/LAST OWNER A12 ALFONSO VILLY (1915)
 PRESENT/LAST OPERATOR A13
 EXPL./DEV. COMMENTS L110

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 VEIN
 DEPOSIT FORM/SHAPE M10 TABULAR
 DEPTH TO TOP M20
 DEPTH TO BOTTOM M30
 DEPOSIT SIZE M18 SMALL M16 MEDIUM M15 LARGE (circle one)
 STRIKE M70 N70 W
 DIRECTION OF PLUNGE M100
 DIP M80 VERTICAL
 PLUNGE M90
 DEP. DESC. COMMENTS M110 ORE MINERALS FOUND IN SMALL SEAMS. QUARTZ VEINS IN QUARTZ MONZONITE

DESCRIPTION OF WORKINGS

Workings are: SURFACE UNDERGROUND M130 BOTH M140 (circle one)
 DEPTH BELOW SURFACE M140
 LENGTH OF WORKINGS M170
 OVERALL LENGTH M190
 OVERALL WIDTH M200
 OVERALL AREA M210
 UNITS M191
 UNITS M201
 UNITS M211
 DEP. OF WORK. COM. M220 VEIN OPENED BY SEVERAL SHALLOW SHAFTS

GEOLOGY

* AGE OF HOST ROCK(S) K1 TERT. 58 ± 5 m.y. (SIMONS, F.S., 1974)
 * HOST ROCK TYPE(S) K1A QUARTZ MONZONITE
 * AGE OF IGNEOUS ROCK(S) K2 TERT. 58 ± 5 m.y. (SIMONS, F.S., 1974)
 * IGNEOUS ROCK TYPE(S) K2A BIOTITE-HORNBLENDE GRANODIORITE
 * AGE OF MINERALIZATION K3 LCRET.-TERT.
 * PERT. MINERALS (NOT ORE) K4 QUARTZ; IRON STAIN
 * ORE CONTROL/LOCUS K8 NW-TRENDING FISSURE VEIN AND SMALLER FISSURES IN QUARTZ MONZONITE
 * MAJ. REG. TRENDS/STRUCT. N6 QUARTZ MONZONITE COUNTRY ROCK IS CUT IN REGION BY GRANITE PORPHYRY
 * TECTONIC SETTING N18
 * SIGNIFICANT LOCAL STRUCT. N70 VEIN CONTAINS SEAMS OF PYRITE AND CHALCOPYRITE COATED WITH CHALCOHITE
 * SIGNIFICANT ALTERATION N75 SERICITIC ZONE AT CONTACT OF QUARTZ MONZONITE AND GRANITE PORPHYRY
 * PROCESS OF CONC./ENRICH. N80 SECONDARY ENRICHMENT ACCOMPANYING OR FOLLOWING GRANITIC INTRUSIONS
 * FORMATION AGE N30
 * FORMATION NAME N30A
 * SECOND FA AGE N35
 * SECOND FA NAME N35A
 * IGNEOUS UNIT AGE N60
 * IGNEOUS UNIT NAME N60A
 * SECOND IG. UNIT AGE N65
 * SECOND IG. UNIT NAME N65A
 * GEOLOGY COMMENTS N85

GENERAL COMMENTS

GENERAL COMMENTS GEN

Duquesne, AZ
Grid 7.5

