CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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Owlhead - Dunbar - Swizzle General File

04/20/88

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: COUNTESS , would be same as Victor Mine.

ALTERNATE NAMES:

PINAL COUNTY MILS NUMBER: 750

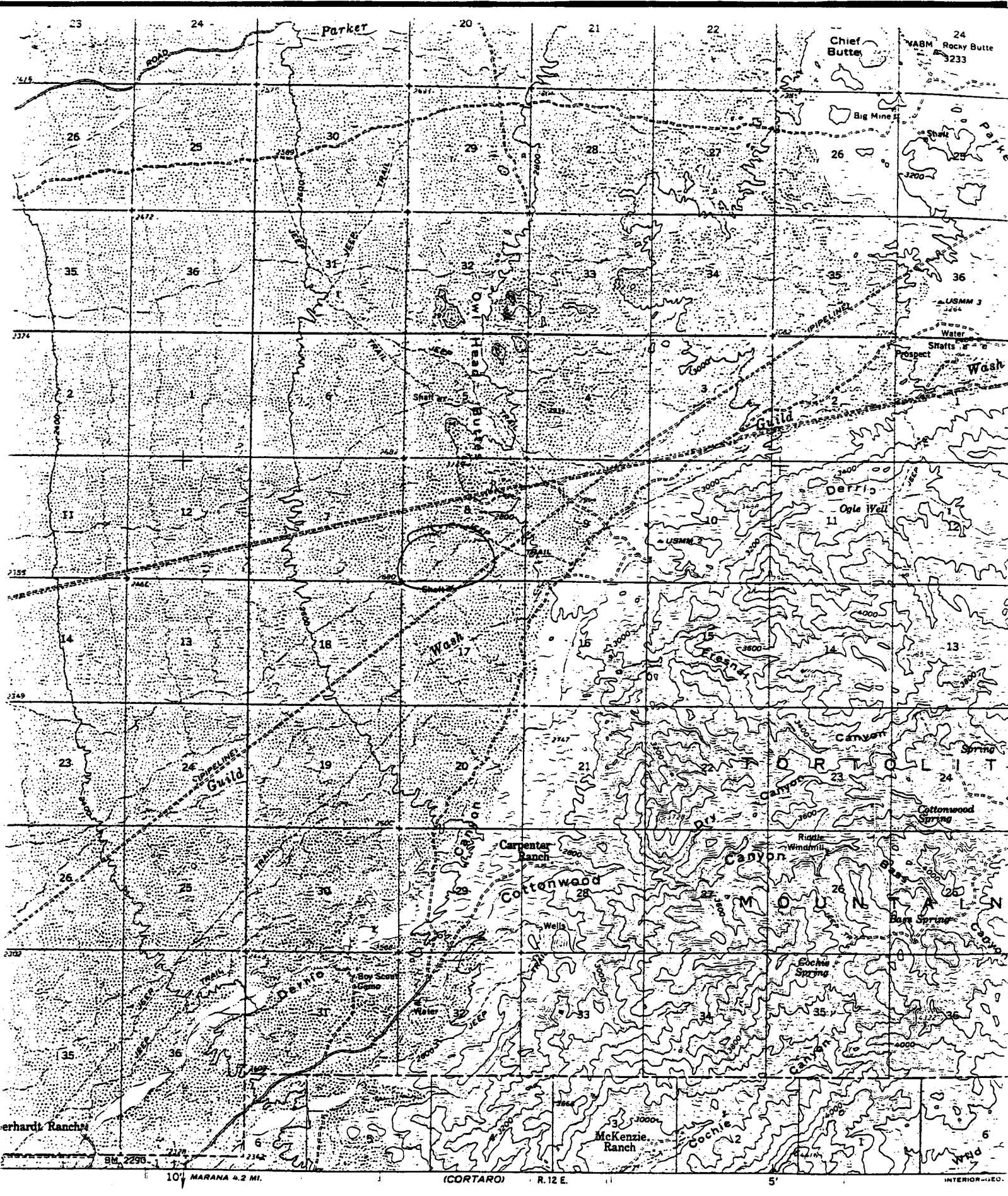
LOCATION: TOWNSHIP 10 S RANGE 12 E SECTION 8 QUARTER SW
LATITUDE: N 32DEG 45MIN SEC LONGITUDE: W 111DEG 00MIN SEC
TOPO MAP NAME: TORTOLITA MTS. - 15 MIN

CURRENT STATUS:

COMMODITY:

BIBLIOGRAPHY:

ADMMR COUNTESS FILE



SCALE 1:62500

1 ½ 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

13½°
TRUE NORTH
MAGNETIC NORTH

Tortolita Mts

ARIZONA

COUNTESS PINAL COUNTY

MG WR 3/4/88: Mr. Gary Fite, P O Box 55670, Tucson, Arizona 85703; phone 791-2233, owns the Countess mine in the SW ¼, Sec 8, T10S R12E (Pinal County). This property was last worked in the 1940's. There are several shafts on the unpatented property. Mr. Bill Ewing (card) sold the property to Fite.

DEP_NAME: ANTELOPE MINE
STATE_CODE: AZ
COUNTY: PINAL
COMMODITY: CU AG AU
MINE_DIST: ANTELOPE DISTRICT
TOWNSHIP: 006S
RANGE: 015E
SECTION: 19
SECT_FRACT: S
POSITION: 1 MILE ENE OF CEDAR MOUNTAIN (ELEVATION 4065) SE SIDE MEYER W
LOC_COMM: IN NARROW N-S ELONGATED SECTION 19 1/8 MILE SE OF FLYING UW
MINE_TYPE: U
PROD_SIZE: S
EXPL_COMM: ANTELPE PEAK COPPER MINING COMPANY OPERATED THROUGHOUT PRODUC
DEP_TYPES: VEIN/SHEAR ZONE
DEP_SHAPE:
OBY_STRIKE: EW
OBY_DIP: NOR
DEP_DESCR: MAIN VEIN IS 7 FT WIDE AND IS 200 FT IN LENGTH
WKGS_COMM: 6 LEVELS OF WORKINGS ON SINGLE SHAFT WORKING ABOUT 200 FT LE
AGE_HOST: PREC
HOST_ROCK: SCHIST APLITE
AGE_IGN:
IGN_ROCK:
AGE_MINER:
MINERALOGY: SERICITE KAOLINITE
ORE_MATS: CHALCOPYRITE MELACONITE MALACHITE AZURITE BORNITE
ORE_CONTRL:
SIG_ALTER: STRONG OXIDATION ON UPPER LEVELS MORE SULFIDES AT LOWER LEVE
FORM_AGE: PREC
FORM_NAME: PINAL SCHIST
GEOL_COMM: VEIN CUTS BOTH APLITE AND SCHIST AGE OF MINERALIZATION UNKNO
GEOL_ENV:
GEOL_NOTES:
GEN_COMMS:
REFERENCES: ARIZONA MINING JOURNAL VOLUME III NO. 11 APRIL 1920 P.
ALT_NAME: SOLDIER BOY ANTELOPE PEAK MEYER
QUADRANGLE: WINKLEMAN (1950)
SCALE: 24000
ALTITUDE: 3640 FT
YR_FST_PRD: 1880'S
YR_LST_PRD: 1922
LAST_OPER:
CUM_PROD:
CUM_P_COMM:
COMMENTS:
LATITUDE: 32-53-34N
LONGITUDE: 110-50-31W
UTM_N: 3639225
UTM_E: 514780
UTM_ZONE: +12
COUNTRY: US
INFO_SRCE: 1
REPORTER: GEST DON E.
REP_AFFIL: ABGMT
REP_DATE: 82 04
UPDATE:
REC_TYPE: X1M
REC_NO: M241241

DEP_NAME: MARY & JAMES CLAIMS CLAIMS
STATE_CODE: AZ
COUNTY: PINAL
COMMODITY: CU AU
MINE_DIST: BLACK MOUNTAIN DISTRICT
TOWNSHIP: 008S
RANGE: 014E
SECTION: 09
SECT_FRACT:
POSITION:
LOC_COMM:
MINE_TYPE:
PROD_SIZE: N
EXPL_COMM:
DEP_TYPES: UNKNOWN
DEP_SHAPE:
OBY_STRIKE:
OBY_DIP:
DEP_DESCR:
WKGS_COMM:
AGE_HOST:
HOST_ROCK:
AGE_IGN:
IGN_ROCK:
AGE_MINER:
MINERALOGY:
ORE_MATS: UNKNOWN
ORE_CONTRL:
SIG_ALTER:
FORM_AGE:
FORM_NAME:
GEOL_COMM:
GEOL_ENV:
GEOL_NOTES: COPPER STAINS BUT NO APPARENT ORE BODY.
GEN_COMMS:
REFERENCES: U.S.B.M. CARD FILE
ALT_NAME:
QUADRANGLE: ORACLE
SCALE: 62500
ALTITUDE:
YR_FST_PRD:
YR_LST_PRD:
LAST_OPER:
CUM_PROD:
CUM_P_COMM:
COMMENTS:
LATITUDE: 32-44-47N
LONGITUDE: 110-54-14W
UTM_N: 3623000
UTM_E: 509000
UTM_ZONE: +12
COUNTRY: US
INFO_SRCE: 2
REPORTER: GERE W.
REP_AFFIL: USGS
REP_DATE: 72 04
UPDATE:
REC_TYPE: X1M
REC_NO: M000397

DEP_NAME: OWL HEAD MINE MINE
STATE_CODE: AZ
COUNTY: PINAL
COMMODITY: CU
MINE_DIST: BLACK MOUNTAIN DISTRICT
TOWNSHIP: 008S
RANGE: 012E
SECTION: 06
SECT_FRACT:
POSITION:

LOC_COMM:
MINE_TYPE:
PROD_SIZE: S
EXPL_COMM:
DEP_TYPES: UNKNOWN
DEP_SHAPE:
OBY_STRIKE:
OBY_DIP:
DEP_DESCR:
WKGS_COMM:
AGE_HOST:
HOST_ROCK: ALTERED SCHIST
AGE_IGN:
IGN_ROCK:
AGE_MINER:
MINERALOGY:
ORE_MATS: COPPER CARBONATES AND SILICATES
ORE_CONTRL:
SIG_ALTER:
FORM_AGE:
FORM_NAME:
GEOL_COMM: MINERALIZATION SPOTTED
GEOL_ENV:
GEOL_NOTES: COPPER CARBONATES AND SILICATES OCCUR IN ALTERED SCHIST. MIN
GEN_COMMS:
REFERENCES: U.S.B.M. CARD FILE
ALT_NAME:
QUADRANGLE: NINETYSIX HILLS SW
SCALE: 24000
ALTITUDE:
YR_FST_PRD:
YR_LST_PRD:
LAST_OPER:
CUM_PROD:
CUM_P_COMM:
COMMENTS:
LATITUDE: 32-45-52N
LONGITUDE: 111-08-48W
UTM_N: 3625000
UTM_E: 486250
UTM_ZONE: +12
COUNTRY: US
INFO_SRCE: 2
REPORTER: GERE W.
REP_AFFIL: USGS
REP_DATE: 72 04
UPDATE:
REC_TYPE: X1M
REC_NO: M000262

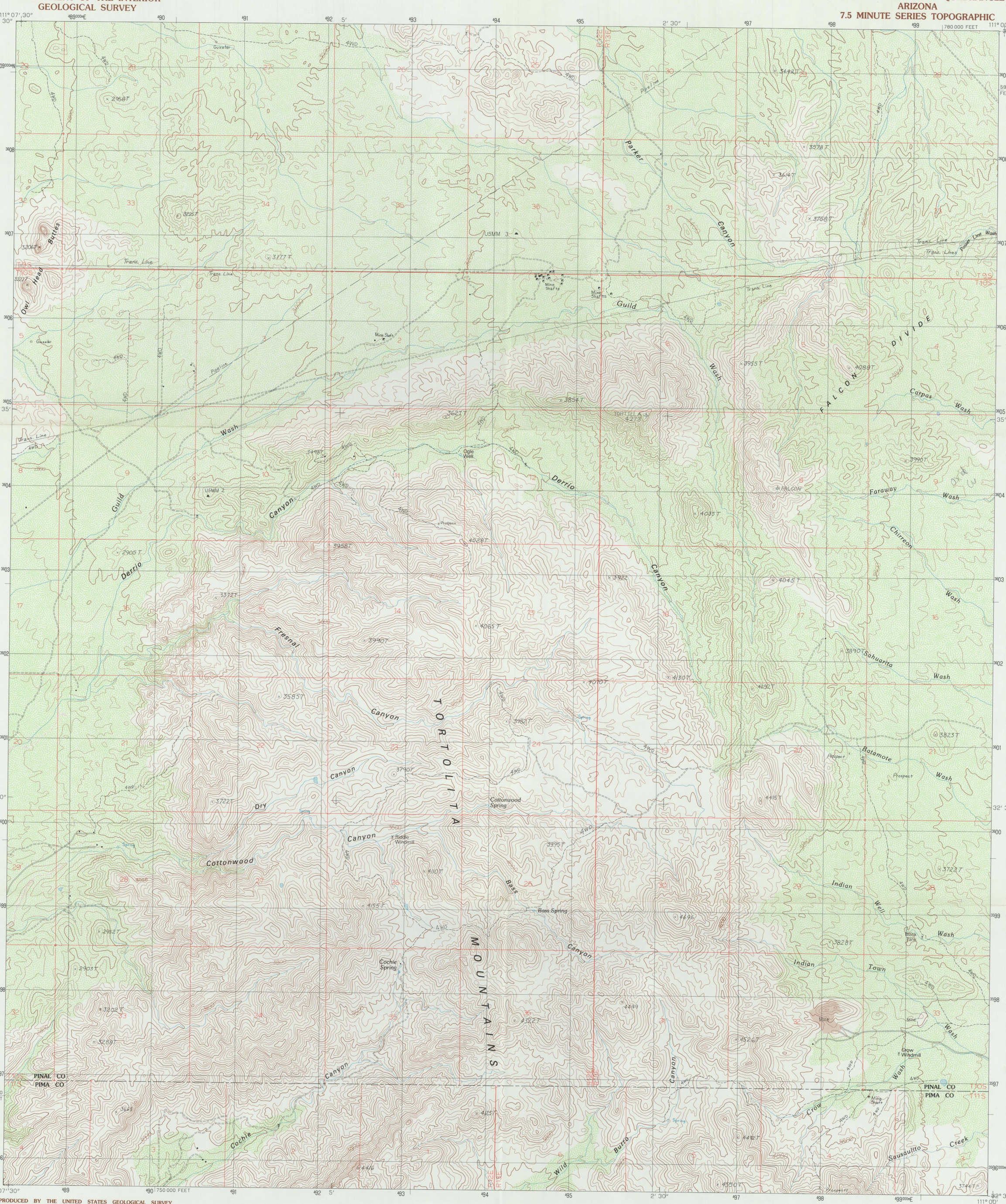
DEP_NAME: AMERICAN EAGLEMINE
STATE_CODE: AZ
COUNTY: PINAL
COMMODITY: CU MO PB ZN
MINE_DIST: BUNKER HILL DISTRICT
TOWNSHIP: 008S
RANGE: 018E
SECTION: 11
SECT_FRACT:
POSITION: 14 MI NE OF SAN MANUEL 0.5 MI SE OF CHILDS-ALDWINKLE MINE
LOC_COMM: ON W SLOPE OF NORTH CENTRAL GALIURO MTS ON THE COPPER CREEK -
MINE_TYPE: U
PROD_SIZE: S
EXPL_COMM:
DEP_TYPES: VEIN BRECCIA PIPE DISSEMINATED
DEP_SHAPE: TABULAR
OBY_STRIKE: N60E
OBY_DIP: 70N
DEP_DESCR: WHERE VEIN IS 50 FT WIDE (300 LEVEL) ONLY 6FT IS ORE GRADE. R
WKGS_COMM: STOPES CAVED ADIT FLOODED
AGE_HOST: CRET
HOST_ROCK: GRANODIORITE (MEDIUM GRAINED BIOTITE) AND DACITE PORPHYRY
AGE_IGN: CRET
IGN_ROCK: BRECCIA PIPES AND DACITE PORPHYRY PLUGS
AGE_MINER: CRET
MINERALOGY: QUARTZ SERICITE TOURMALINE
ORE_MATS: PYRITE CHALCOPYRITE BORNITE MOLYBDENITE GALENA SPHALERITE
ORE_CONTRL: FRACTURES BLOWOUT OR CHIMNEY
SIG_ALTER: SERICITE WITH BRECCIA PIPES & DACITE PORPHYRY; POTASSIC AND A
FORM_AGE:
FORM_NAME:
GEOL_COMM: AT THEBLOWOUT A REPLACEMENT VEIN 6-18 FT WIDE LIES AGAINST FR
GEOL_ENV:
GEOL_NOTES:
GEN_COMMS: THIS REPORT REPRESENTS A MERGER OF ORIGINAL RECORD M050121 WI
REFERENCES: SIMONS 1964 USGS PP 461|WEED 1913 MIN & ENG WORLD V. 38
ALT_NAME: AMERICAN EAGLE BASIN
QUADRANGLE: GALIURO MOUNTAINS
SCALE: 62500
ALTITUDE: 3650 FT
YR_FST_PRD:
YR_LST_PRD:
LAST_OPER:
CUM_PROD:
CUM_P_COMM:
COMMENTS:
LATITUDE: 32-44-58N
LONGITUDE: 110-29-44W
UTM_N: 3623420
UTM_E: 547260
UTM_ZONE: +12
COUNTRY: US
INFO_SRCE: 1
REPORTER: PETERSON JOCELYN A.
REP_AFFIL: USGS
REP_DATE: 83 04
UPDATE:
REC_TYPE: X1M
REC_NO: M050121

File with County.
Owl Head Mining District

DEP_NAME: BUNKER HILL MINE
STATE_CODE: AZ
COUNTY: PINAL
COMMODITY: CU PB AG AU
MINE_DIST: BUNKER HILL DISTRICT
TOWNSHIP: 008S
RANGE: 018E
SECTION: 14
SECT_FRACT: WE
POSITION: IN MULBERRY WASH 1 MILE NNE OF SOMBRERO BUTTE
LOC_COMM:
MINE_TYPE: U
PROD_SIZE: S
EXPL_COMM: OPERATORS INCLUDED BUNKERHILL COPPER ARIZONA BUTTE OPERATING
DEP_TYPES: VEIN/SHEAR ZONE
DEP_SHAPE:
OBY_STRIKE: N 70 W
OBY_DIP: VER
DEP_DESCR: JOINT PLANES IN DEPOSIT STRIKE E-W DIP 80-85S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TORTOLITA MOUNTAINS QUADRANGLE
ARIZONA
7.5 MINUTE SERIES TOPOGRAPHIC



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CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1985 MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°02′ WEST
1988 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (5 meters south and 62 meters east)
There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map
No distinction made between houses, barns, and other buildings
Public Land Survey System is shown as published in 1959 and verified or supplemented in 1985

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check.
T

SCALE 1:24 000
KILOMETERS 1 .5 0 1 2
METERS 1000 0 1000 2000
MILES 1 .5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

CONTOUR INTERVAL 40 FEET

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by .3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1989

ARIZONA

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Durham Hills
2 Chief Butte
3 Fortified Peak
4 Desert Peak
5 Oracle Junction
6 Marana
7 Ruelas Canyon
8 Oro Valley

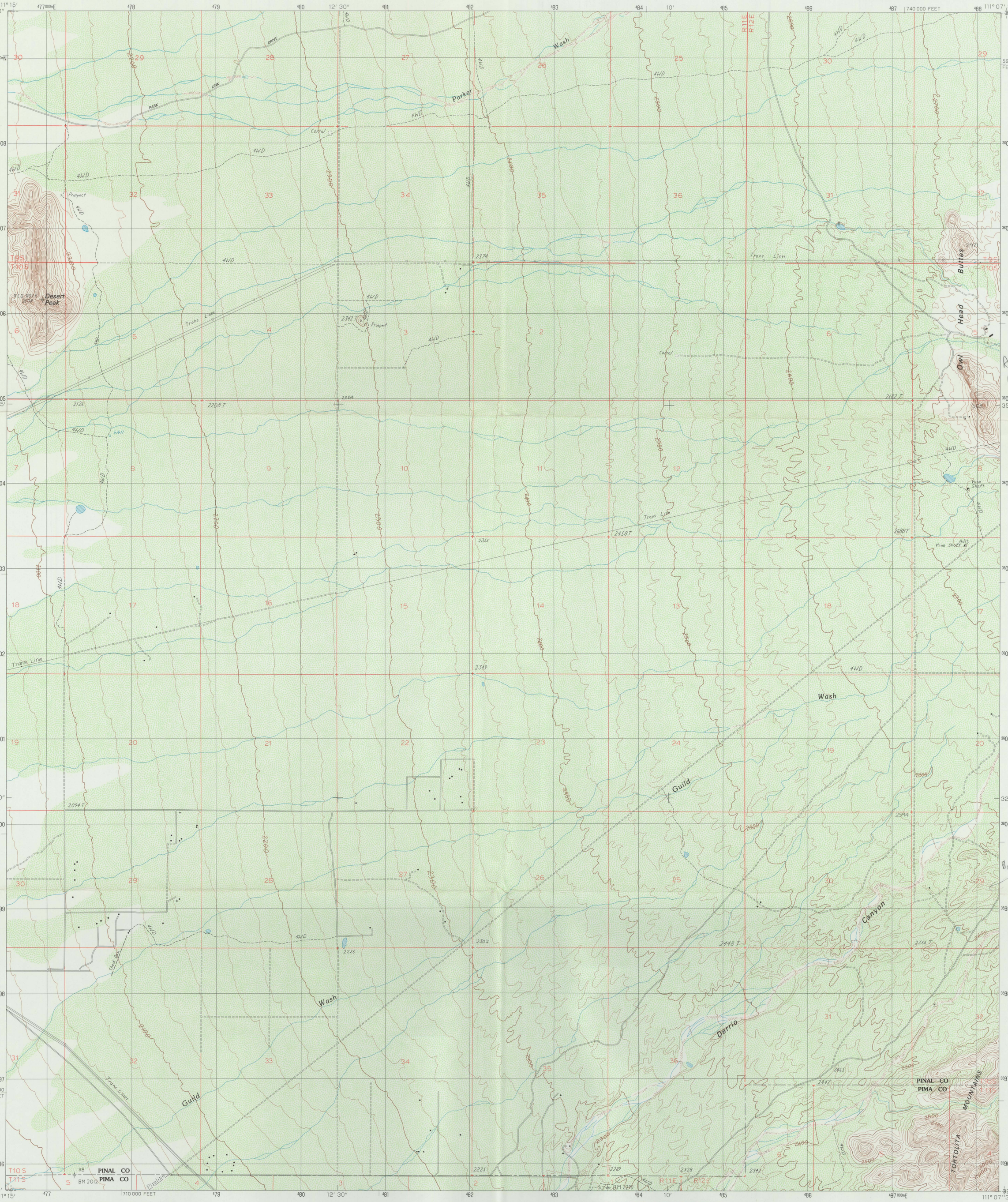
ADJOINING 7.5′ QUADRANGLE NAMES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route

TORTOLITA MOUNTAINS, ARIZONA
PROVISIONAL EDITION 1988
32111-E1-TF-024

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DESERT PEAK QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1985. MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°06′ WEST
1988 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (4 meters south and 62 meters east)

There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map

No distinction made between hoses, barns, and othjer buildings Public Land Survey System is shown as published in 1959 and verified or supplemented in 1985

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check.
T

SCALE 1:24 000

KILOMETERS 1 .5 0 1 2
METERS 1000 0 1000 2000
MILES 1 .5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

CONTOUR INTERVAL 20 FEET

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by .3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA 1989

ARIZONA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Picacho Pass
2 Durham Hills
3 Chief Butte
4 Red Rock
5 Tortolita Mountains
6 West of Marana
7 Marana
8 Ruelas Canyon

ADJOINING 7.5′ QUADRANGLE NAMES

ROAD LEGEND

Improved Road .....
Unimproved Road .....
Trail .....

Interstate Route · U.S. Route · State Route

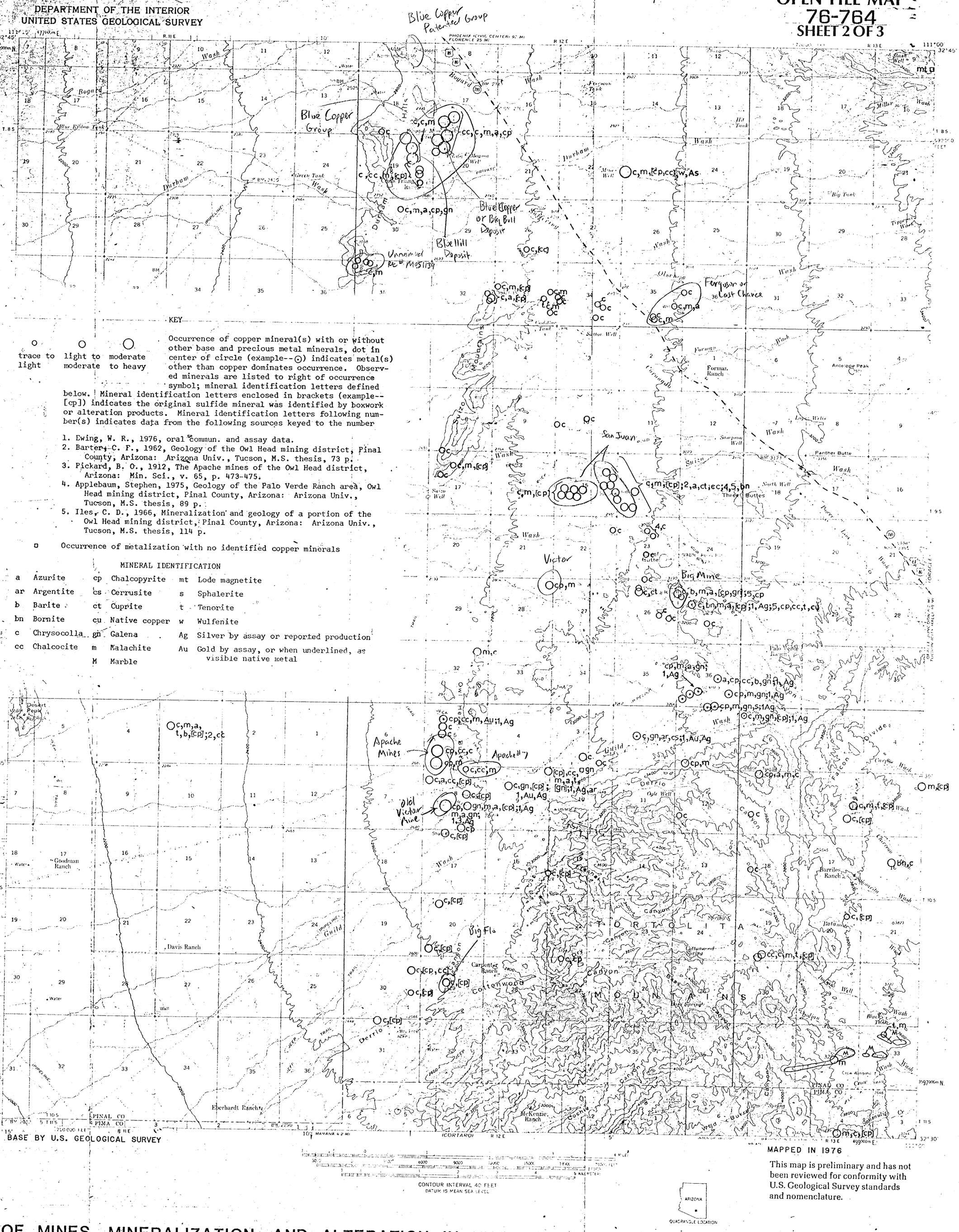
DESERT PEAK, ARIZONA

PROVISIONAL EDITION 1988

32111-E2-TF-024

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
76-764
SHEET 2 OF 3



KEY

trace to light — light to moderate — moderate to heavy

Occurrence of copper mineral(s) with or without other base and precious metal minerals, dot in center of circle (example--⊙) indicates metal(s) other than copper dominates occurrence. Observed minerals are listed to right of occurrence symbol; mineral identification letters defined below. Mineral identification letters enclosed in brackets (example--[cp]) indicates the original sulfide mineral was identified by boxwork or alteration products. Mineral identification letters following number(s) indicates data from the following sources keyed to the number

1. Ewing, W. R., 1976, oral commun. and assay data.
2. Barter, C. F., 1962, Geology of the Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 73 p.
3. Pickard, B. O., 1912, The Apache mines of the Owl Head district, Arizona: Min. Sci., v. 65, p. 473-475.
4. Applebaum, Stephen, 1975, Geology of the Palo Verde Ranch area, Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 89 p.
5. Iles, C. D., 1966, Mineralization and geology of a portion of the Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 114 p.

Occurrence of metalization with no identified copper minerals

MINERAL IDENTIFICATION

a	Azurite	cp	Chalcopyrite	mt	Lode magnetite
ar	Argentite	cs	Cerrusite	s	Sphalerite
b	Barite	ct	Cuprite	t	Tenorite
bn	Bornite	cu	Native copper	w	Wulfenite
c	Chrysocolla	gn	Galena	Ag	Silver by assay or reported production
cc	Chalcocite	m	Malachite	Au	Gold by assay, or when underlined, as visible native metal
		M	Marble		

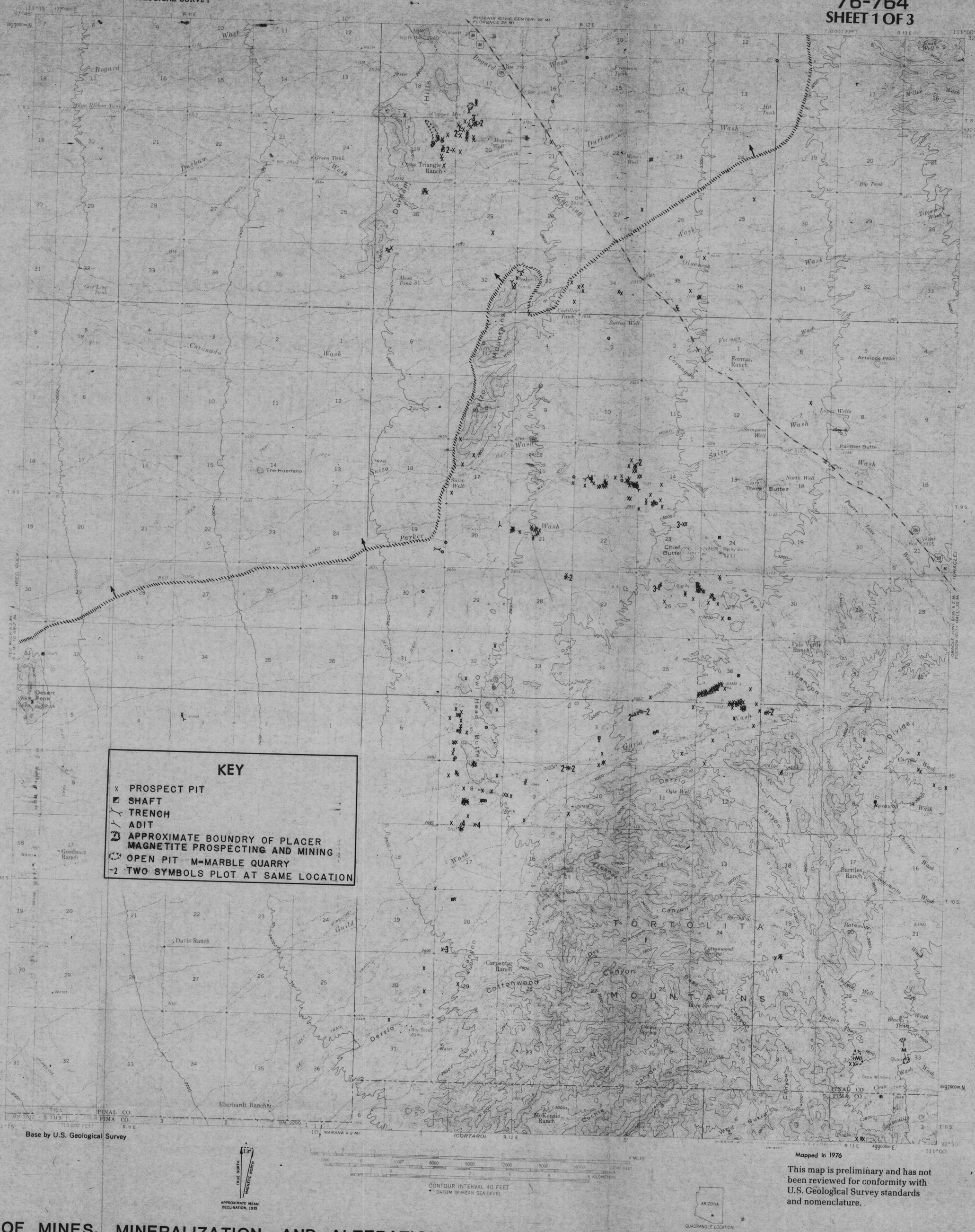
MAPS OF MINES, MINERALIZATION, AND ALTERATION IN THE TORTOLITA MOUNTAINS QUADRANGLE, ARIZONA

B. Reconnaissance Map of Copper Mineral Occurrences, other Base and Precious Metal Mineral Occurrences, and Marble Deposits

by
Norman G. Banks, Roger D. Dockter, and Joseph A. Briskey

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
76-764
SHEET 1 OF 3



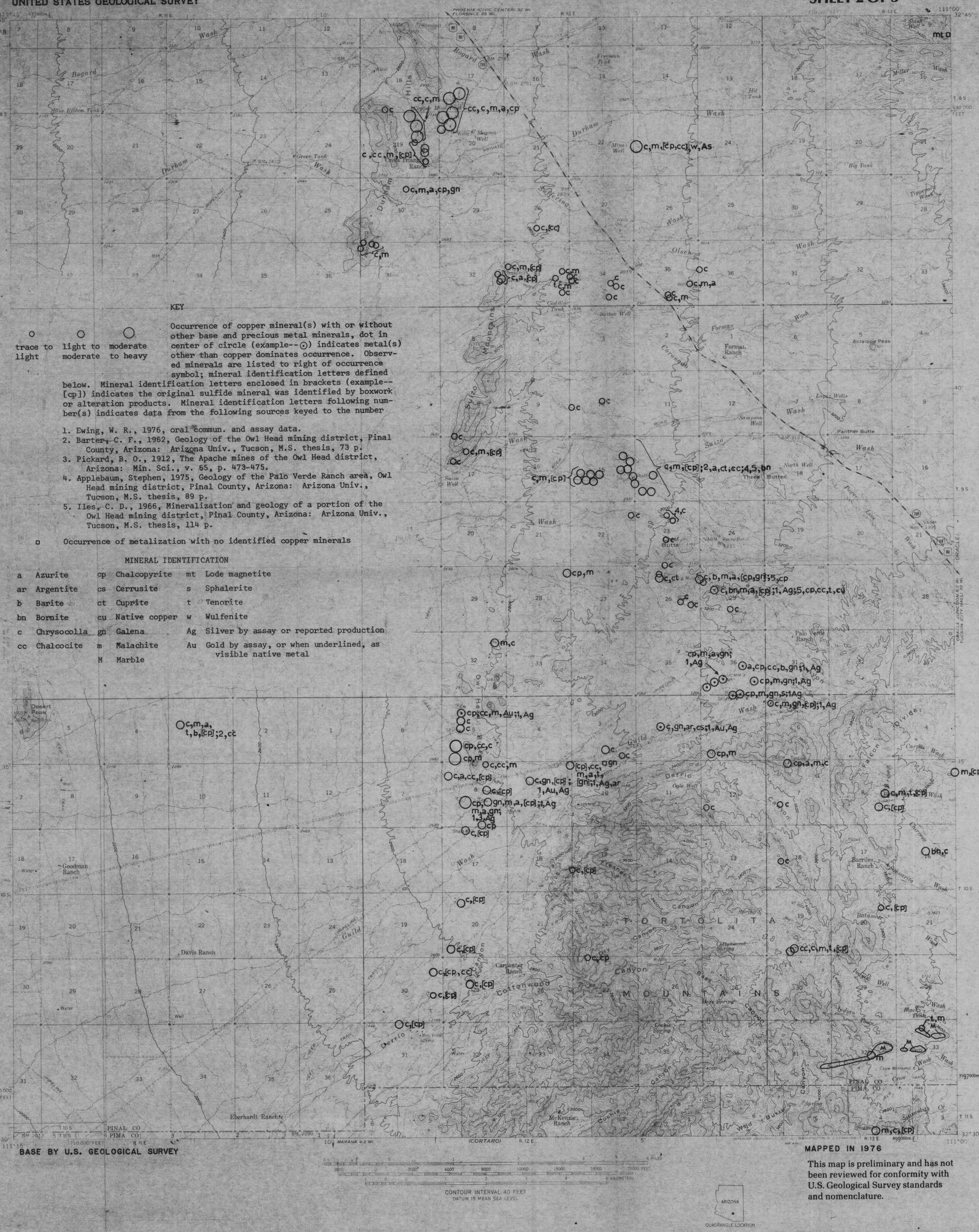
MAPS OF MINES, MINERALIZATION, AND ALTERATION IN THE TORTOLITA MOUNTAINS QUADRANGLE, ARIZONA

A. Updated Mine, Prospect, and Drill Hole Locations

by
Norman G. Banks, Roger D. Dockter, and Joseph A. Briskey

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
76-764
SHEET 2 OF 3



KEY

trace to light	light to moderate	moderate to heavy

Occurrence of copper mineral(s) with or without other base and precious metal minerals, dot in center of circle (example--⊙) indicates metal(s) other than copper dominates occurrence. Observed minerals are listed to right of occurrence symbol; mineral identification letters defined below. Mineral identification letters enclosed in brackets (example--[cp]) indicates the original sulfide mineral was identified by boxwork or alteration products. Mineral identification letters following number(s) indicates data from the following sources keyed to the number

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2. Barter, C. F., 1962, Geology of the Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 73 p.
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5. Iles, C. D., 1966, Mineralization and geology of a portion of the Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 114 p.

▫ Occurrence of metalization with no identified copper minerals

MINERAL IDENTIFICATION

a	Azurite	cp	Chalcopyrite	mt	Lode magnetite
ar	Argentite	cs	Cerrusite	s	Sphalerite
b	Barite	ct	Cuprite	t	Tenorite
bn	Bornite	cu	Native copper	w	Wulfenite
c	Chrysocolla	gn	Galena	Ag	Silver by assay or reported production
cc	Chalcocite	m	Malachite	Au	Gold by assay, or when underlined, as visible native metal
		M	Marble		

BASE BY U.S. GEOLOGICAL SURVEY

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

MAPPED IN 1976

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

ARIZONA
QUADRANGLE LOCATION

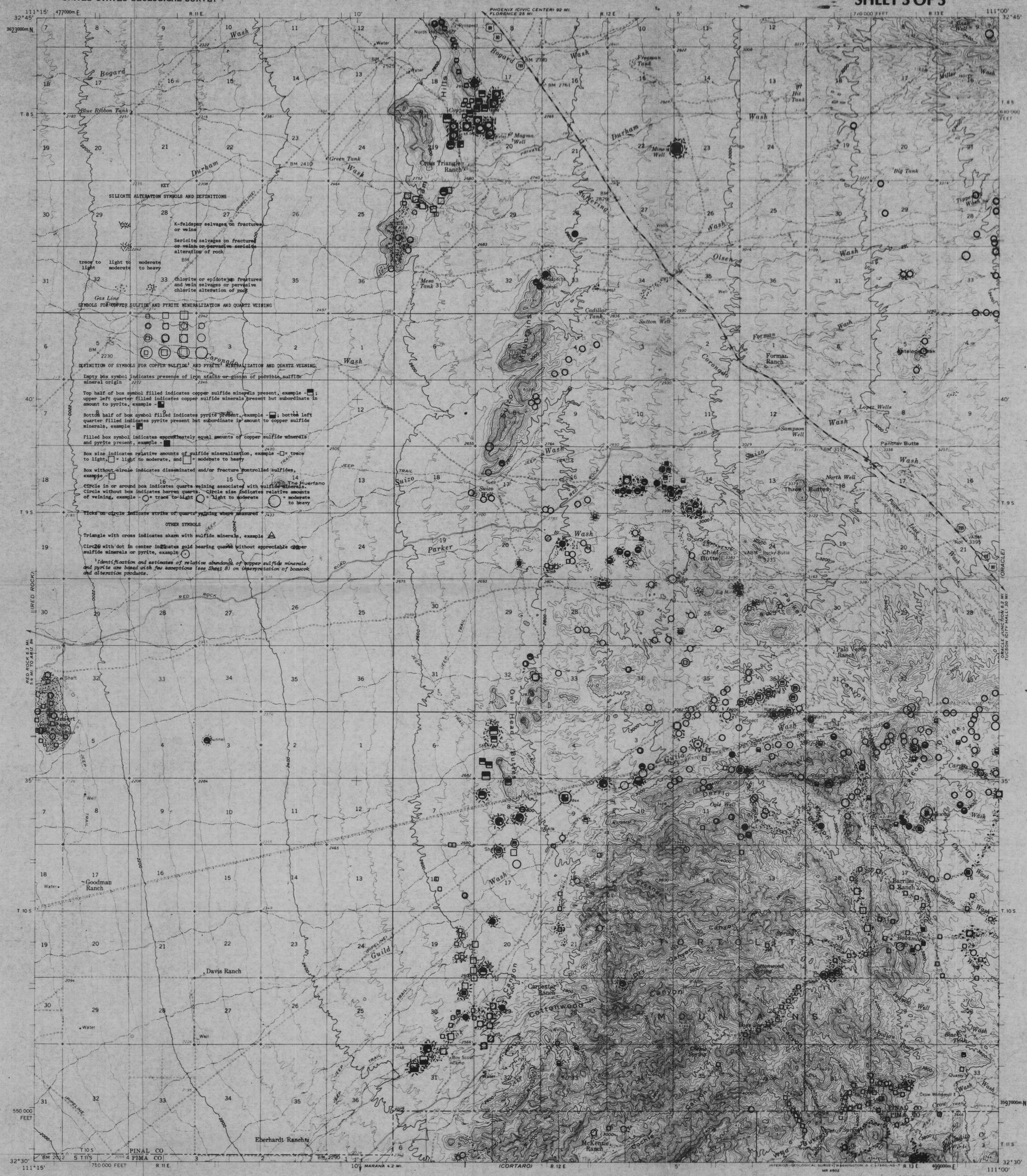
MAPS OF MINES, MINERALIZATION, AND ALTERATION IN THE TORTOLITA MOUNTAINS QUADRANGLE, ARIZONA

B. Reconnaissance Map of Copper Mineral Occurrences, other Base and Precious Metal Mineral Occurrences, and Marble Deposits

by
Norman G. Banks, Roger D. Dockter, and Joseph A. Briskey

U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
76-764
SHEET 3 OF 3

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



BASE BY U.S. GEOLOGICAL SURVEY, 1959

APPROXIMATE MEAN DECLINATION 1970

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION

MAPPED IN 1976

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

MAPS OF MINES, MINERALIZATION, AND ALTERATION IN THE TORTOLITA MOUNTAINS QUADRANGLE, ARIZONA

C. Reconnaissance Map of Silicate Alteration and Sulfide Mineral Occurrences

by
Norman G. Banks, Roger D. Dockter, and Joseph A. Briskey